

2023-2025



FLOWER
seeds



BULBOS ESPAÑA

Mapi Floricultura, S.L.

C/ Latina, 26 - 1º D
28047 Madrid

Tel.: 91 526 38 22 (4 líneas)

Fax 91 526 38 54

Movil 606 423235

info@bulbosspana.com

www.bulbosspana.com

VOLTZ
HORTICULTURE

A TEAM AT YOUR DISPOSAL



CUSTOMER SERVICE : Tel: +33 (0)244 8781 29 / Fax: +33 (0)241 5457 15 / E-mail: pguillot@grainevoltz.com

A sales team closer to you!



THIERRY MAMOLA

General Manager
Phone : +33 (0)6 21 05 22 19
tmamola@grainevoltz.com

HERBERT WEHRLE

Product Manager Flower Seeds
Sales Manager Pictorial Package Assortment
and Wholesale HomeGarden Vegetable
Phone : +49 (0)152 2382 7641
hwehrle@grainevoltz.com

PIERRE DE LAMOTTE

Sales representative
Key Account Export
Phone : +33 (0)6 09 08 14 35
pdelamotte@grainevoltz.com

NATALIA MOROSOVA

Key Account Manager
Export Department
Phone: +49 (0)162 7756 339
nmorosova@grainevoltz.com

BELGIUM - NETHERLANDS - LUXEMBURG

AXEL PUFF

Sales Representative BeNeLux
Phone : +49 (0)172 9724 830
apuff@grainevoltz.com



GRAINES VOLTZ BRAIN SUR L'AUTHION

Tél. +33 (0)2 41 54 57 00 - Fax +33 (0)2 41 54 57 25
17, rue Lavoisier - Brain sur l'Authion
49800 LOIRE-AUTHION
FRANCE



GRAINES VOLTZ COLMAR - Headquarters

Tél. +33 (0)3 89 20 18 18 - Fax +33 (0)3 89 24 42 22
1, rue Edouard Branly - 68000 COLMAR
FRANCE

EDITO

Dear customer, We are pleased to present you the new triennial edition of our Flower Seeds 2023/2025 catalogue.

VOLTZ HORTICULTURE *Even closer to you, the professionals in horticulture!*

With our new form of communication we want to help you even better to find our products and services suitable for your business activities through our identity **VOLTZ HORTICULTURE**.

This assortment combines the latest and best flower seed varieties from the world's leading breeders. All varieties have been tested in different trial fields and locations and have been unanimously approved by our experts.

VOLTZ HORTICULTURE : Professionals in the service of professionals!

Our experience in the seed industry guarantees you:

- The high **GERMINATION QUALITY**, which guarantee you a fast and uniform cultivation,
- A **COMPREHENSIVE** and **EXCEPTIONAL ASSORTMENT** to keep up with market trends,
- **CONTINUOUSLY CHECKS** of the quality of the offered seeds so you don't miss out on anything.

These are the guarantees for your success and your profitability!



Your Rendez-Vous for the summer! Save the Date!

An incredibly wide range embedded in beautifully designed landscaped gardens await you every year from August to the end of September to discover the most important flower novelties! Make an appointment now/ Talk to your sales advisor about it!



Your life-size catalogue at www.voltz-horticulture.com under the «Media Library» tab! Browse through the different areas of the garden, let yourself be inspired by the proposed moods and the solutions presented to compose and enrich your assortment of tomorrow.

VOLTZ HORTICULTURE A motivated team, authentic, united, passionate and above all close to you and your concerns. A team with one deep desire: your satisfaction! Thank you for your trust, we hope you enjoy reading our catalogue and wish you a wonderful coming season!



LEGEND TO SYMBOLS

With the help of these different pictograms, you can easily find on the variety description pages which species and varieties are suitable for which use or for which sales concept.

	Drought tolerant plant		Suitable as cutflower
	Bee-friendly plant		Fleuroselect Goldmedal Winner
	Durable plant	Mini.	Minimum package size
	Variety for late summer	GFC	Filmcoated seeds
	Ornamental foliage plant for combos	GN	Standard seeds
	Shadow plant	GE	Pelleted seeds
	Sensory plant	g	Standard seeds per weight (in gram)
	Climbing plant	GC	Graded seeds
	Ground cover	GP	Primed seeds
	Recommended for public parks	KA	Raw seeds
		D	Rubbed seeds

Please note!
These icons are explaining the life cycle of the variety!

- Biennial plant
- Annual plant
- Perennial plant

CONVENTIONAL SEED

ORGANIC-CERTIFIED SEED

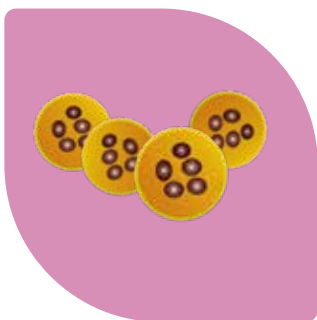
GENETICS AND SEED TECHNOLOGY

At the Top of the Latest Seed Technology!

Advanced seed technology for ideal conditions for successful sowing, a discerning selection of the best sources of supply and continuous quality control of the seed - these are the guarantees you get from **VOLTZ HORTICULTURE**.

High quality seed that ensures a fast and even start of the crop is your **guarantee for success and profitability!**

A wide selection of seeds



This technology allows the fusion of several raw seeds into one seed pellet. Mainly used for species where several seedlings per plug are required such as Diascia, Dichondra, Juncus, Lobelia, Lobularia, Nemesia, Portulaca and more. Only one pellet per cel is required to achieve a full plug with several seedlings.

MULPELLETS (GE)



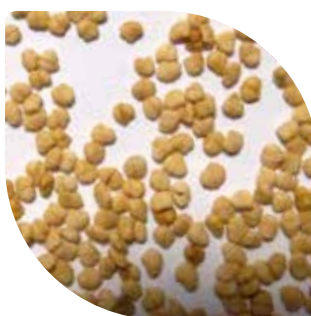
The round coating of fine seeds allows an automatic and precise sowing: The seed pills contain one seed per pellet and have an exact, uniform standardised diameter. Available for many small seeded species.

PELLETED SEEDS (GE)



Depending on the variety the seeds are either depilated, rubbed, peeled, or removed from any other parts, to facilitate the sowing procedure.

RUBBED (KA)



Fresh harvested standard seed lots often contain different seed sizes. With this technique non-viable and small as well as too large seeds are separated and divided in different, homogeneous seed sizes. Graded seeds deliver more uniform seed size for the sowing machine as well as more uniform seedlings.

GRADED SEEDS (GC)



In a first production step the seeds are de-winged and/or calibrated, and in a second step coated with a thin film. The film-coated seeds are rounder and smoother ensuring an easier gliding through the sowing machine without electrostatic charging. This enables a faster and more precise sowing.

FILMCOATED SEEDS (GFC)



This way of de-winging makes the seeds easier to glide and to avoid a deadlock in the sowing machine. Same time this procedure provides a better adhesion of the seeds on the substrate surface improving the germination rate.

DETAILED SEEDS (D)



The most advanced seed treatment method. The germination process is stimulated and stopped again after a certain number of days. Then the seeds are desiccated for a storage (at cool temperatures). The use of primed seeds reduces the germination time and results in a more homogeneous germination result. Especially under non optimum conditions (too low or too high temperatures) primed seeds are giving a better result than standard seeds.



PRIMED SEEDS (GP)

State-of-the-art tools and a cutting-edge technology laboratory



NEW

Eco-certified flower seeds

- Certified seed  by 
- Robust and reliable varieties,
- Environmental awareness and ethics that correspond to a growing future market!

Optimum traceability

«We ship the seeds of the breeders **Benary, PanAmerican Seed, Sakata, Ebbing-Lohaus and Takii** in original packaging. This guarantees you optimal transparency and traceability!»



Our shipping service is set up to ship your urgent orders within 24-48 h after receipt of order.

The best varieties tested in real conditions!



THE BEST GENETICS

Thanks to our partnership with **the best breeders and specialists in ornamental seeds and plants**, we offer you a wide range of varieties based on both reliable results in production and best suitability in the garden and in the bed.

The brilliant choice: the best genetics and the latest innovations tested and found to be good in our trial gardens!



Acanthus



- **Acanthaceae**
- **Acanthus mollis**
- **Perennial bedding plant**
- **Sowing:**
From March to June.
- **Germination:**
At 20°C.

- **Growth temperature:**
Between 15 and 18°C, to protect from cold in winter under cold shelter.
- **Voltz advice:**
To plant in well drained ground, especially in cold countries. Under cold climate, protect with mulching during winter.



MOLLIS

To be used in rock gardens and flower beds. Full sun exposure. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
80 cm	upright	9-13 cm	50 GN	M01.2001

Achillea



- **Asteraceae**
- **Achillea millefolium**
- **Achillea filipendulina**
- **Achillea ptarmica**
- **Achillea siberica**
- **Perennial bedding plant and cutflowers**
- **Seed count/gram:**
A. millefolium: 5 000;
A. ptarmica: 3 500

- **Sowing:**
From March to June.
- **Germination:**
At 18°C.
- **Growth temperature:**
Between 15 and 18°C.



1 *ptarmica* MARSHMALLOW

Improvement of the varieties 'Noblessa' and 'Pearl' with higher percentage of true double flowers. Also uniform flowering when grown annual.

Height	Habit	Mini.	Code
25 cm	mounded	250 GE	M02.210E

2 *millefolium* COLORADO Mix

Colourful, first year flowering perennial, flowers 4 month after sowing

Height	Habit	Mini.	Code
50-60 cm	upright	250 GN	M02.0901

3 *millefolium* SUMMER PASTELS F2

Can be grown as an annual. Flowering time: June to August.

Height	Habit	Mini.	Code
60 cm	upright	250 GN	M02.1401

4 *millefolium* CHERRY QUEEN

Red shades, strong stems. Flowering time: June to August.

Height	Habit	Mini.	Code
60 cm	upright	1 g	M02.080

5 *siberica* LOVE PARADE Light Pink

Outstanding combination of foliage and flowers. Excellent border plant and cut flower. Soft pink blossoms in a large umbel.

Height	Habit	Mini.	Code
50-60 cm	upright	250 GN	M02.0841

6 *filipendulina* CLOTH OF GOLD

Also to be used as dried flowers. Flowering time: June to September.

Height	Habit	Mini.	Code
120 cm	upright	1 g	M02.000

Acroclinium



- **Asteraceae**
- **Acroclinium roseum**
- **Helipeterum roseum**
- **Annual for cutflowers**
- **Seed count/gram:**
250
- **Sowing:**
From January to March direct sowing in protected area, from April to May outdoor.

- **Germination:**
At 18°C, in 14 to 20 days.
- **Growth temperature:**
Between 8 and 10°C.
- **Voltz advice:**
3 to 5 months of cultivation. Prefers light, permeable, humid and warm soil. For weed control, preventive soil treatment with steam is recommended.



ROSEUM Mix

Cut flower for dry arrangements. Flowering time: June to August.

Height	Habit	Mini.	Code
50 cm	upright	10 g	D02.200

Agapanthus



- **Alliaceae**
- **Agapanthus praecox**
- **Annual or perennial bedding plant and cutflowers**
- **Sowing:**
April to June.
- **Germination:**
At 22°C.

- **Growth temperature:**
From 20 to 22°C in growth and vegetation. From 6 to 7°C in rest period.
- **Voltz advice:**
Plants from seeds will flower only after 3 to 4 years. Under cold climate, winter pot plants under shelter, place them outside in April-May for the vegetative period. Moderated waterings at the beginning, then abundant waterings from June to August for the flowering. Reduce watering in the later months to avoid yellow leaves before the hibernation. Resists to chalky soils.



BLUE UMBRELLA

Can resist most of winters without or with slight protection. Flowering time: July to August.

Height	Habit	Pot size	Mini.	Code
75 cm	upright	14-19 cm	100 GN	M06.6501

Agastache



Lamiaceae

- Agastache aurantiaca
- Agastache foeniculum
- Agastache hybrida
- Agastache urticifolia

Annual or perennial bedding plant

Sowing:
In January for sales in May-June or in July for autumn sales.

Germination:

At 20°C.

Growth temperature:

Between 14 and 16°C, then down to 10-12°C.

Voltz advice:

2 to 3 months cultivation period after potting in ø 12 to 15 cm pots. Avoid plantation in too humid grounds or substrates. Need mild climate when they are nearly flowering.



DWARF VARIETIES

1 > 2 hybrida ARIZONA

'Arizona' is the most compact series, very uniform and floriferous. Fast crop from spring sowing. Blooms continuously through the season without deadheading. Performs well in containers and in landscape at dry and sunny locations.

Height	Habit	Pot size	Mini.	Code
20-25 cm	upright	12-15 cm, pack	100 GN	1. Sun M07.162 2. Sunset M07.164

3 aurantiaca APRICOT SPRITE

Scented orange flowers flowering already the first year.

40 cm	upright	11-13 cm	100 GN	M07.1821
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HIGH VARIETIES

	Height	Habit	Pot size	Mini.	Code
1 aurantiaca ORANGEADE	50-60 cm	upright	10,5-13 cm	100 GN	M07.174
2 foeniculum GOLDEN JUBILEE	50 cm	upright	12-15 cm	100 GN	M07.210
3 hybrida ASTELLO INDIGO	50 cm	upright	12-15 cm	100 GN	M07.315
4 cana HEATHER QUEEN	60 cm	upright	10,5-13 cm	100 GN	M07.194
5 urticifolia ALBA	70 cm	upright	12-15 cm	500 GN	M07.2801
6 urticifolia COERULEA Blue	70 cm	upright	12-15 cm	500 GN	M07.2601

Ageratum

- Asteraceae
- *Ageratum houstonianum*
- Annual bedding plant and cutflower



- **Seed count/gram:**
5 000
- **Sowing:**
From January to April.

- **Germination:**
Between 18 and 21°C, in 7 to 14 days.
- **Growth temperature:**
Between 16 and 21°C.

- **Voltz advice:**
Be careful!! Very tender plant that tends to dry very quickly. Daily watering if full sun location or every 2-3 days if shaded location. Avoid highly concentrated azote nutritive elements formulations. Tolerates normal salinity. Sensible to iron chlorosis.









DWARF AND MEDIUM VARIETIES

	Height	Habit	Pot size	Mini.	Code
1 VICTORIA F1 / ALOHA F1 <i>Blue</i>	12 cm	mounded	9 cm, Pack	500 GN 250 GE	E00.5201 E00.520E
2 BAVARIA BICOLOUR <i>Blue & White</i> 	30 cm	mounded	9-11 cm	0,25 g	D03.770
3 4 HIGH TIDE™ F1 	40 cm	mounded	10-11 cm	100 GE	3. Blue E00.540E 4. White E00.542E



HIGH VARIETIES

	Height	Habit	Mini.	Code
1 BLUE PLANET F1  	70 cm	upright	500 GN 250 GE	D03.822 D03.822E
2 RED FLINT F1  	70 cm	upright	0,25 g	D03.790
3 WHITE ALP  	75 cm	upright	500 GN	D03.8601

Alcea ☺ 24

Malvaceae

Alcea rosea
Alcea ficifolia

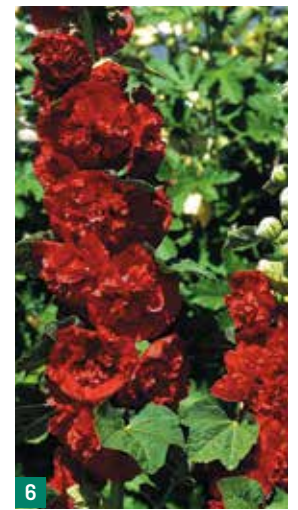
Biennial or perennial for beddings

Seed count/gram:
A. nigra: 100; A. rosea: 200;
A. ficifolia: 150

Sowing:
Sowing from January to March for the variety Spring Celebrities. Sowing from June to July for the other varieties.

Germination:
Between 18°C and 20°C.

Growth temperature:
Between 16 and 18°C.



1 *rosea* **SPRING CELEBRITIES™** 🐝
Semi-double flowers. For flower-beds and potted plants.

2 *rosea* **NIGRA** 🌱 🌿 🌻
Single red-black flowers. Flowering time: June to July.

3 ▶ **9** *rosea* **CHATER'S DOUBLE** 🌱 🌿
100% double flowers. Flowering time: June to July.

10 *ficifolia* **MIX** 🌱 🌿 🌻
Single flowers. Well-branching plants and long-lasting flowering. Flowering time: May to October.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
70 cm	upright	3-5 l pot	250 GN	1. Mix	M08.325		
150 cm	upright	9-15 cm	5 g		M08.290KA		
180 cm	upright	9-15 cm	5 g	3. Mixed	M08.200KA	4. Purple	M08.210KA
				5. Rose	M08.220KA	6. Salmon/Pink	M08.234KA
				7. Scarlet	M08.230KA	8. White	M08.260KA
				9. Yellow	M08.240KA		
180 cm	upright	9-15 cm	1 g	10. Mix	M08.300KA		

Alchemilla

- Rosaceae
- Alchemilla mollis
- Perennial for cutflower
- Sowing: From January to March.
- Germination: At 18°C.

- Growth temperature: Between 10 and 15°C.
- Voltz advice: A cold period during germination is recommended. After potting, decrease temperature to 10-12°C to harden plants. Likes fresh to moist soils.



THRILLER®

Green-yellow. Grey-green hairy foliage. Flowering time: June to July.

Height	Habit	Pot size	Mini.	Code
60 cm	upright	9-11 cm	500 GN	M08.6001

Alternanthera

- Amaranthaceae
- Alternanthera dentata
- Annual bedding plant

- Sowing: February to March.
- Seed count/gram: 620
- Germination: At 20°C.

- Growth temperature: Between 12 and 15°C.
- Voltz advice: Highly sensitive to excessive and insufficient watering.



Height	Habit	Pot size	Mini.	Code
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1 PURPLE KNIGHT

Red-purple foliage becoming darker in full sun. Very good tolerance to heat. Trailing habit, 60 to 90 cm wide.

40-45 cm	semi-spreading	10-12 cm	100 GN	E01.300
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2 PURPLE PRINCE

Compact variety producing a durable carpet of ruby/burgundy foliage; ready to stand high temperatures as well as drought, but also develops well under rainy conditions.

30-45 cm	carpet-growing	13 cm	100 GN	E01.301
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Alyssum

- Brassicaceae
- Alyssum montanum
- Alyssum saxatile

- Perennial for beddings
- Seed count/gram: A. montanum: 500 A. saxatile: 1000

- Sowing: Use several seeds per plug, from April to July.

- Germination: At 18°C.
- Growth temperature: Between 10 and 15°C.



1 *montanum* MOUNTAIN GOLD

Ground cover plant, grey-green foliage. Flowering time: May to June.

Height	Habit	Pot size	Mini.	Code
15 cm	mounded	9-10 cm	1 g	M11.820

2 *saxatile* COR BELLE D'OR / GOLD CUSHION

Re-intro of the wellknown, robust, yellow flowering Alyssum.

15-40 cm	mounded	9-10 cm	1 g	M11.910
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Amaranthus

- Amaranthaceae
- Amaranthus tricolor
- Annual for beddings
- Seed count/gram: 1500
- Sowing: March.

- Germination: Between 15 and 18°C, in 1 to 2 weeks.
- Growth temperature: Between 12 and 15°C.
- Voltz advice: The plants need sufficient light to have a nice colour.



Height	Habit	Pot size	Mini.	Code
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1 EARLY SPLENDOR

Deep purple foliage, topped with fire-red.

70 cm	upright	10-11 cm	250 GN	D05.5681
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2 AURORA

Bright green basal foliage. Cream white upper leaves.

80 cm	upright	10-11 cm	1 g	D05.566
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3 ILLUMINATION

Large copper leaves, scarlet-orange at the top.

80 cm	upright	10-11 cm	1 g	D05.570
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4 SPLENDENS PERFECTA

Upright habit. Foliage colored by yellow and red with green.







80 cm	upright	10-11 cm	1 g	D05.560
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Amaranthus

- **Amaranthaceae**
- **Amaranthus caudatus**
- **Amaranthus paniculatus**
- **Amaranthus cruentus**
- **Annual for beddings and cutflowers**
- **Seed count/gram:** 1500 to 1700
- **Sowing:** From February to March. 2 to 3 months before the planned selling date.
- **Germination:** Between 15 and 18°C, in 1 to 2 weeks.
- **Growth temperature:** Between 12 and 15°C.
- **Voltz advice:** The plants need sufficient space to have a nice growth. Sowing when the days become longer is recommended.



	Height	Habit	Mini.	Code
1 <i>caudatus</i> PONY TAILS 	75 cm	upright	5 g	D05.562
2 3 <i>caudatus</i> QUEUE 	80 cm	upright	5 g	2. Dark Red D05.500 3. Green D05.540
4 <i>paniculatus</i> GREEN THUMB	45 cm	upright	1 g	D05.100
5 <i>paniculatus</i> PIGMY TORCH	45 cm	upright	1 g	D05.000
6 <i>paniculatus</i> OESCHBERG 	50 cm	upright	1 g	D05.554
7 <i>paniculatus</i> ELEPHANT HEAD 	90 cm	upright	1 g	D05.105
8 <i>cruentus</i> HOT BISCUITS 	120 cm	upright	1 g	D05.001
9 <i>cruentus</i> VELVET CURTAINS 	150 cm	upright	1 g	D05.005

Ammi



- **Apiaceae**
- **Ammi majus**
- **Ammi visnaga**
- **Annual for beddings and cutflower**
- **Seed count/gram:** 1000

■ **Sowing:** In April-May, directly outside, or already in January in cold greenhouse.

■ **Germination:** In 10 to 14 days at 15-18°C.

■ **Growth temperature:** Between 8 and 12°C in cold greenhouse.

■ **Voltz advice:** 4-months cultivation period. Production can be started under fleece. Harvest and sale can be increased thanks to a greenhouse cultivation and a plantation in sets.



1 *visnaga* **THE GIANT**

Early and compact. Large flowers.

Height	Habit	Mini.	Code
80 cm	upright	5 g	D07.100

2 *visnaga* **SNOW WHITE**

Large flower umbels on well branched plants; use as filler for flower bouquets.

80-120 cm	upright	1000 GN	D07.104B
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3 *majus* **QUEEN OF AFRICA**

Uniform selection with homogeneous flowers.

120 cm	upright	5 g	D07.030
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Anchusa



- **Boraginaceae**
- **Anchusa azurea**
- **Perennial for beddings**

■ **Sowing/Germination:** From April to August or directly in place in June. Germination at 20 °C.

■ **Growth temperature:** Between 16 and 18°C.

■ **Voltz advice:** Resists to heat and drought. Planting needs deep ground because the root system is important. After flowering, dead-heading is recommended to ease new shoots growth and protect the root collar.

DROPMORE *Blue*

Large bedding plant. Flowering time: May to July.

Height	Habit	Pot size	Mini.	Code
120 cm	upright	10-12 cm	250 GN	M14.1601



Anemone



- **Ranunculaceae**
- **Anemone hupehensis**
- **Perennial for beddings and cutflower**

■ **Sowing:** From April to May.

■ **Germination:** At 15° C.

■ **Growth temperature:** Between 16 and 18°C.

■ **Voltz advice:** Cover seeds lightly with vermiculite. Roots can stay in place several years. Protect plants in winter.

JAPONICA *Rose*

Full sun location. Sowing from October to March. Primed seeds. Flowering time: August to October.

Height	Habit	Pot size	Mini.	Code
60 cm	upright	9-11 cm	500 GP	M15.560GP



Angelica



- **Apiaceae**
- **Angelica gigas**
- **Perennial**
- **Seed count/gram:** 360

■ **Sowing:** From October to January.

■ **Germination:** Frost germinator. Germination in 4-8 weeks.

■ **Seeding density:** 75 cm.



GIGAS *Purple Red*

Impressive perennial with weird inflorescence and attractive foliage.

Height	Habit	Pot size	Mini.	Code
120-140 cm	upright	10,5-12 cm	100 GN	M16.0001

Angelonia

- **Scrophulariaceae**
- **Angelonia angustifolia**
- **Annual bedding and pot plant**
- **Sowing:**
From January to April.
- **Seed count/gram:**
1 000
- **Germination:**
In 4 to 5 days, at 22-24°C.
Do not cover seeds.
- **Growth temperature:**
Between 16 and 18°C.



1 ► 8 SERENITA® F1

More compact than Serena; with perfect basal branching; ideal for sales in packs or 9 cm pots. Premium results more efficient than vegetative varieties. Do not pinch!

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
20-25 cm	bushy	9-10 cm; packs	100 GE	1. Mix	E03.450E	2. Lavender	E03.442E
				3. Pink	E03.444E	4. Purple	E03.447E
				5. Raspberry	E03.445E	6. Rose	E03.443E
				7. Skyblue	E03.449E	8. White	E03.448E



1 ► 5 SERENA® F1

Compact and extremely well-branched plant without pinching. Excellent resistance to heat and drought. Non-stop flowering without having to remove withered flowers.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
20-30 cm	upright	9-11 cm	100 GE	1. Mixed	E03.430E	2. Blue	E03.410E
				3. Purple	E03.426E	4. Rose	E03.427E
				5. White	E03.428E		

Antirrhinum

SNAPSHOT F1

■ **Scrophulariaceae**

■ **Antirrhinum majus**

■ **Annual for beddings and cutflower**

■ **Seed count/gram:**
6 000

■ **Sowing:**

For cutflowers : sowing from November to January for flowering from May to June. For bedding varieties : sowing from end of January until April for sales after 10-12 weeks of cultivation.

■ **Germination:**

At 15-20°C, in 10 to 14 days.

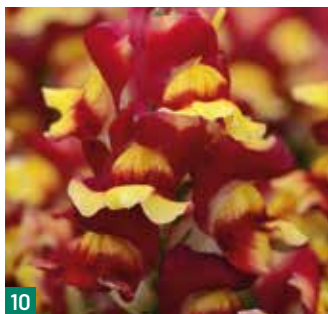
■ **Growth temperature:**

Between 8 and 15°C to enhance flowering.

■ **Voltz advice:** Sensitive to high salt levels. Use NPK-fertilizer with low nitrogen level.

- Genetically dwarf and compact; needs few growth regulator
- Early and homogeneous flowering
- Excellent presentation in packs

- Good behaviour in beddings
- Shiny and bright colours
- Ideal for sales in flowered trays



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	▶ 13	20 cm	mounded	9 cm, pack	5 000 GE	1. Mix	E04.720E	The melting pellet for easy and fast machine sowing.	
						1. Mix	E04.720		
						2. Appleblossom	E04.714	3. Burgundy	E04.700
						4. Burgundy Bic.	E04.713	5. Coral Bicolour	E04.715
					500 GN	6. Orange	E04.701	7. Pink	E04.702
						8. Purple	E04.704	9. Red	E04.705
						10. Red Bicolour	E04.709	11. Rose	E04.706
						12. White	E04.707	13. Yellow	E04.708

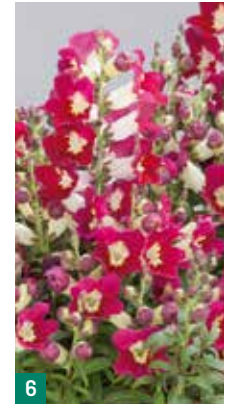
1 ▶ **13** **SNAPSHOT F1**

A genetically compact strain, a perfect choice for packs and pots production. Ideal for sales in flowering trays. Very uniform flowering time of all colours.



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	SNAPPY F1	20-25 cm	mounded	9-10 cm, pack	500 GN	1. Tricolour Mix	E04.812		
2	CANDY TOPS F1	30-40 cm	upright	10,5-12 cm	250 GN	2. Mix	E04.650		
3	10 SONNET F1 <small>collours 100 v116</small>	45 cm	upright	12-16 cm	500 GN	3. Mix	E04.580	4. Burgundy	E04.300
						5. Carmine	E04.340	6. Pink	E04.440
						7. Rose	E04.460	8. Scarlet	E04.420
						9. White	E04.500	10. Yellow	E04.540
3 ▶ 10 SONNET F1 <small>collours 100 v116</small> Early, Hardy stems. The most used bedding variety. Perfect for summer sales in large pots.									

Antirrhinum ☉



TRAILING VARIETIES

CANDY SHOWERS F1 Mix

This trailing snap series is beautiful used as a single colour as well as a mix of colours. Try combining Candy Showers with flowering cabbage and fall pansies.

For fall and for spring sales; great addition to fall assortment offering a trailing habit which is ideal for hanging baskets and mixed containers. Excellent spreading habit in beds. Strong, flexible stems ship well and hold up in the garden. Blooms readily under short days.

Height	Habit	Pot size	Mini.	Code
15 cm	trailing	10 cm, basket	100 GE	E04.976E

OPEN FLOWERS VARIETIES

1 ▶ 6 ANTIQUITY F1

Basal branching plants developing stems with 3 cm size, open blooms. Plants do cover the pot quickly; ideal for sales in summer and autumn.

Height	Habit	Pot size	Mini.	Colour	Code
25-30 cm	upright	9-11 cm	500 GN	1. Mix	E03.579
				2. Lemon	E03.570
				3. Orange with Eye	E03.572
				4. Purple	E03.578
				5. Red	E03.576
				6. Red with Eye	E03.574



DOUBLE FLOWERS VARIETIES


Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
20 cm	mounded	9-12 cm	250 GN	1. Mix	E03.610	2. Appleblossom	E03.601
				3. Bronze Shades	E03.600	4. Peach	E03.602
				5. Rose	E03.605	6. Violet	E03.604
				7. White	E03.606	8. Yellow Shades	E03.608

1 ▶ 8 TWINNY DOUBLE F1

Compact variety with double flowers.



HIGH VARIETIES

1 MADAME BUTTERFLY F1  
 Large double flowers on long spikes. Numerous colours. Outdoor crop.

Height	Habit	Mini.	Colour	Code	Colour	Code
70-80 cm	upright	500 GN	1. Mix	D10.512		

2 ▶ 11 ROCKET F1  
 Perfect cut variety for outdoor and greenhouse production. Each plant produces at least 5 stems.

5.000 GE	2. Mix	D11.800E	The melting pellet for easy and fast machine sowing.		
	2. Mix	D11.800			
	3. Bronze	D11.980	4. Cherry-Rose	D11.890	
	5. Gold	D11.840	6. Lemon Yellow	D11.850	
500 GN	7. Orchid Rose	D11.960	8. Pink	D11.810	
	9. Red	D11.880	10. Rose Shades	D11.900	
	11. White	D11.820			

Anthemis 24 🌱

■ Asteraceae

- *Anthemis sancti-johannis*
- *Anthemis tinctoria*
- Perennial for beddings

■ **Seed count/gram:**
1200

■ **Sowing:**
From April to May.

■ **Germination:**
At 18-20°C.

■ **Growth temperature:**
Between 16 and 18°C.

■ **Voltz advice:**
Avoid humid and cold soils.
Pinch back in beginning
of the fall to favour the
recovery of tufts before
wintering.



1 *tinctoria* **KELWAYI Yellow**

Bedding plant with intense yellow colour.
Flowering time: June to August.

2 *sancti-johannis* **ORANGE**

Bedding plant with intense orange daisy flowers.
Flowering time: March to May.

Height	Habit	Pot size	Mini.	Code
60 cm	upright	9-11 cm	5 g	M16.800
60 cm	upright	9-11 cm	5 g	M16.920

Aquilegia 24 🌱

■ Ranunculaceae

- *Aquilegia alpina*
- *Aquilegia caerulea*
- *Aquilegia chrysantha*
- *Aquilegia vulgaris*

■ Perennial bedding, pot plant and for cutflowers

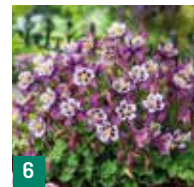
■ **Seed count/gram:**
800

■ **Sowing:**
From February to June.

■ **Germination:**
At 18°C.

■ **Growth temperature:**
Between 16°C and 18°C.

■ **Voltz advice:**
After flowering, deadheading for stronger plants.



Height	Habit	Pot size	Mini.	Colour - Code
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1 *caerulea* **SPRING MAGIC® F1**

Large flowers. Compact habit.
Silvery-green foliage.

35 cm upright 10-13 cm 250 GP

1. Mixture M19.512GP

2 *caerulea* **SWAN F1**

First year flowering perennial. No special
vernalization treatment required. Great
bedding plant and cutflower. Suitable for
larger pot sizes.

45 cm upright 14-16 cm 250 GN

2. Mix M19.550

3 *caerulea* **CRIMSON STAR**

This selection features bright crimson-red
flowers with a white centre.

60 cm upright 9-11 cm 250 GN

M19.0401

4 ▶ **10**
caerulea **EARLY BIRD® F1**

Low cold requirement and short juvenility for
growing in warm winter climates. Features a
controlled habit, with relatively short stems.
Flowering window of 10 to 12 days.
Excellent choice for early apring programs!

23-28 cm upright 10-13 cm 250 GN

4. Mix	M19.300	5. Purple Blue	M19.314
6. Purple White	M19.302	7. Red White	M19.304
8. Red Yellow	M19.306	9. White	M19.308
10. Yellow	M19.310		

11 *alpina* **DARK BLUE**

Large flowers. Deep blue-green foliage.
Bushy and upright plant.
Flowering time: May to June.

50 cm upright 9-11 cm 1 g

M18.600

12 *chrysantha* **YELLOW QUEEN**

Soft Golden-Yellow flowers 7 cm across,
with mounds of mid-green, maidenhair-like
foliage.

60 cm upright 9-11 cm 1 g

M20.000

13 *vulgaris* **MC KANA GIANTS**

Giant flowers. Divergent spurs.
Bright colours. Flowering time: April to June.

85 cm upright 9-13 cm 1 g

13. Mix M18.700

Apium

- Apiaceae
- Apium graveolens
- Annual bedding plant
- Seed count/gram: 2500
- Sowing: From January to May.
- Germination: In 10-12 days at 23-25°C.
- Pricking out temperature: 18°C minimum.
- Growth temperature: 12-15°C during the night, 18-21°C during the day.
- Cultivation period: Sowing-sale: 8 to 10 weeks.

PERCEL

Bright green foliage. To use as green foliage plant in mixed plantings.

Height	Habit	Pot size	Mini.	Code
40 cm	upright	11 cm	1g	T39.030



Arabis

- Brassicaceae
- Arabis blepharophylla
- Arabis caucasica
- Perennial for beddings
- Seed count/gram: 3500
- Sowing: Sow several seeds per plug,
- from March to May. Do not cover the seeds.
- Germination: At 16-18°C.
- Growth temperature: Between 16 and 18°C.
- Voltz advice: Best for use in rockery gardens.



	Height	Habit	Pot size	Mini.	Colour	Code
1 ▶ 2	15 cm	mounded	10-13 cm	250 GN	1. Deep Rose 2. White	M20.832 M20.830
3	15 cm	mounded	10-12 cm	250 GE	3. White	M20.860E
4	15 cm	mounded	8-10 cm	250 GN	4. Pink	M20.9401
5	15 cm	mounded	9-11 cm	250 GN		M20.8802

Aralia

- Araliaceae
- Fatsia japonica
- Annual pot plant
- Sowing: Best from January to June; but also yearround possible.
- Germination: At 20-22°C. Growing in 3 to 4 weeks.
- Growth temperature: Between 15 and 18°C. 7 to 9 months cultivation.



JAPONICA

Palm-shaped, dark green foliage.

Habit	Pot size	Mini.	Code
upright	12-14 cm	100 GN	R26.000

Arenaria

- Caryophyllaceae
- Arenaria montana
- Perennial for rock gardens and pot plant
- Sowing: From February to June.
- Germination: At 18°C.
- Growth temperature: Between 16 and 18°C.
- Voltz advice: This plant deserves more frequent use.



1 BLIZZARD White

The most uniform variety available; 2 weeks earlier in flower than standard types.

2 RONDA

Ronda stays more compact than other Arenaria with very nice habit. Large, pure white flowers right above the dark green foliage.

Height	Habit	Pot size	Mini.	Code
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15 cm	mounded	9-12 cm	250 GN	M22.600
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12-15 cm	mounded	10,5-17 cm	250 GN	M22.602
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Armeria 21 🌱 🌿

- **Plumbaginaceae**
- **Armeria maritima**
- **Perennial for beddings**
- **Sowing:**
From February to June.
- **Germination:**
At 15°C.
- **Growth temperature:**
Between 15 and 18°C.
- **Voltz advice:**
High resistance to diseases and salinity.



1 ▶ 2
ABBEY Belongs to the

Many, round flower heads on very short flower stems. The plant uniformity has been significantly improved, so that plant quality and flowering start allow a quick sale. Cultivation over the winter can take place outdoors or in a unheated greenhouse. Does not need any vernalisation.

Height	Habit	Pot size	Mini.	Colour	Code
18-20 cm	mounded	9-11 cm	250 GN	1. Deep Rose	M23.654KA
				2. White	M23.656KA
20 cm	mounded	8-10 cm	500 GN		M23.6401

3 (laucheano) **SPLENDENS**

Most common type, very floriferous. Clean seeds. Flowering time: March to June.

Arnica 21 🌱 🌿

- **Asteraceae**
- **Arnica montana**
- **Perennial herb for tea or medicinal use**
- **Sowing:**
June-August.
- **Germination:**
10-20 days at 16-18°C; if after 3-4 weeks no germination occurs, then place sowing boxes for 2 weeks in a cool chamber or area.
- **Voltz advice:**
Plants require lime-free soil.



MONTANA

Alpine perennial wellknown as medicinal plant, with fragrant, golden flowers.

Height	Habit	Pot size	Mini.	Code
50 cm	upright	9-11 cm	500 GN	M24.1001

Artemisia 21 🌱 🌿

- **Asteraceae**
- **Artemisia stelleriana**
- **Perennial**
- **Seed count/gram:**
2 500
- **Sowing:**
July-August.
2-3 seeds/cell.
- **Germination:**
5-10 days at 20°C.
- **Growing temperature:**
18°C day / 16°C night.



MORI'S STRAIN

Used because of its ground-covering, filigran silvery foliage; but also the light yellow inflorescences in early summer are very attractive.

Height	Habit	Pot size	Mini.	Code
20-25 cm	ground-covering	9-11 cm	500 GN	M25.5001

Asarina 21 🌱 🌿

- **Scrophulariaceae**
- **Asarina scandens**
- **Annual climbing plant**
- **Sowing:**
From February/March to end of April.
- **Germination:**
At 16°C.
- **Growth temperature:**
At 16°C.
- **Voltz advice:**
Avoid chalky and dry soils.



1 **JOAN LORRAINE**

Fast growth. Climbing plant. Flowering time: June to August.

2 **MYSTIC ROSE**

Climbing plant. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
150 cm	climbing	10 cm	250 GN	E05.096
150 cm	climbing	10 cm	250 GN	E05.098

Asclepias



- **Asclepiadaceae**
- **Asclepias currassavica**
- **Asclepias incarnata**
- **Asclepias tuberosa**
- **Annual or perennial bedding plant and cutflower**
- **Seed count/gram:** 300
- **Sowing:** From March to June.
- **Germination:** At 18°C.
- **Growth temperature:** Between 16 and 18°C.
- **Voltz advice:** For a flowering from the first year, an early sowing in February is advised. *Asclepias currassavica* is suitable for a container culture. *Asclepias tuberosa* does not flower the first year.




			Height	Habit	Pot size	Mini.	Colour	Code
1	TUBEROSA	Beautiful plant with upright flower stems. Flowering the second year.	50-60 cm	upright	16 cm	1 g	1. Orange	M26.680B
2	<i>currassavica</i> RED BUTTERFLY	Long flower stems, green foliage. Not winterhardy! Flowering July-October.	60 cm	upright	16 cm	250 GN		M26.500
3	▶ 4 <i>currassavica</i> SILKY	Strong stems, nice umbels. Flowering June-September.	70 cm	upright	16 cm	250 GN	3. Deep Red 4. Gold	M26.520 M26.510
5	<i>incarnata</i> ICEBALLET	Very uniform selection. Can be grown annual; flowering July to October.	100 cm	upright	16 cm	250 GP		M26.590GP

Asparagus



- **Asparagaceae**
- **Asparagus densiflorus**
- **Asparagus myriocladus**
- **Asparagus plumosus**
- **Annual pot plant or foliage to cut**
- **Sowing:** From December to June.
- **Germination:** At 25°C, in 3 to 4 weeks.
- **Growth temperature:** Between 15 and 22°C.
- **Voltz advice:** Growing period of 10 to 12 months in 10 to 15 cm pots. Seeds have a very short life cycle. Soak seeds in lukewarm water before sowing. Prevent leaves from yellowing by avoiding excessive humidity. Store seeds at 4°C.



			Height	Habit	Pot size	Mini.	Code
1	MYRIOCLADUS	Plume-shaped hardy stems. For pots and to cut.	50 cm	upright	12-15 cm	100 GN	R03.554
2	<i>setaceus plumosus</i> NANUS	Palm finely cut. Ideal for compositions or cut foliage.	50-80 cm	upright	12-15 cm	100 GN	R03.620
3	<i>densiflorus</i> SPRENGERII 	For hanging baskets and cut foliage.	80-100 cm	upright	12-15 cm	100 GN	R03.540
4	<i>densiflorus</i> MEYERI	Low growing. Long cultivation period. Thick foliage in plumes.	120 cm	upright	12-15 cm	100 GN	R03.500

Asphodeline 2 🌱🌿

- Asphodelaceae
- Asphodeline lutea*
- Perennial

Sowing:
Sowing in late autumn or early spring with 2-3 seeds per plug. Transplant 1-2 plugs in a 11-12 cm pot, or 2-3 plugs in a 15 cm pot.



YELLOW CANDLE

Lily-flowered perennial with yellow blooms and narrow leaves; flowering May-June. Withstands drought and frost up to -15°C.

Height	Habit	Pot size	Mini.	Code
80 cm	upright	9-11 cm	100 GP	M27.800GP

Astilbe 2 🌱🌿

- Saxifragaceae
- Astilbe x arendsii*
- Astilbe chinensis*
- Perennial for beddings and pot plant

Sowing:
From March to May. Do not cover seeds.

Germination:
At 20-22°C.

Growth temperature:
Between 16 and 18°C.

Voltz advice:
Flower period of 20 to 23 weeks from sowing.



1 ▶ **2** *arendsii* **ASTARY®**
No need of vernalization to flower. Genetically compact. Uniform flowering. Flowering time: March to May.

3 *chinensis* var **PUMILA**
Upright panicles; splendid ground-cover.

Height	Pot size	Mini.	Colour	Code
65 cm	10,5-12 cm	100 GE	1. Rose	M30.730E
			2. White	M30.734E
25 cm	9-10,5 cm	1000 GN	3. Lilac Rose	M30.740I

Aster 2 🌱🌿

- Asteraceae
- Aster alpinus*
- Aster amellus*
- Aster novi-belgii*
- Perennial for beddings
- Seed count/gram: 600

Sowing:
From March to June.

Germination:
At 15°C.

Growth temperature:
Between 16 and 18°C.



	Height	Habit	Pot size	Mini.	Code
1 <i>alpinus</i> HAPPY END	25 cm	upright	9-10 cm	250 GN	M29.180I
2 <i>alpinus</i> TRIMIX Mix	25 cm	upright	9-10 cm	1g	M29.120
3 <i>alpinus</i> DARK BEAUTY	25-30 cm	upright	-	500 GN	M28.920I
4 ▶ 5 ALPINUS	30 cm	upright	9-10 cm	1g	4. Blue M28.800 5. White M28.980
6 <i>amellus</i> RUDOLF GOETHE	50 cm	upright	10-13 cm	250 GN	M29.360I
7 NOVI-BELGII Mix 🌀	120 cm	upright	-	250 GN	M29.540I

Atriplex

- **Amaranthaceae**
- **Atriplex hortensis**
- **Annual for beddings**
- **Seed count/gram:** 300
- **Sowing:** From May to June.
- **Germination:** At 15-18°C.
- **Growth temperature:** Between 12 and 18°C.



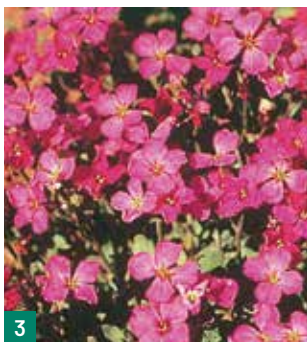
RED

Attractive because of its red foliage and stems. Long upright stems with a 30-40 cm long plume. Cut when in full bloom for use as filler in bouquets.

Height	Mini.	Code
150-180 cm	5 g	D15.070B

Aubrieta

- **Brassicaceae**
- **Aubrieta cultorum**
- **Aubrieta x hybrida**
- **Perennial for beddings**
- **Seed count/gram:** 2500
- **Sowing:** From May to June.
- **Germination:** At 15-18°C.
- **Growth temperature:** Between 12 and 18°C.
- **Voltz advice:** Early flowering can be obtained by airy vernalization. Fits chalky soils. Full sun location is needed for flowering.



1 ▶ **2** *hybrida* **AUDREY F1** One of the earliest flowering perennials; ideal for very early season sales. Uniform and long lasting flowering, at point of sales and in the garden.

3 *cultorum* **LEICHTLINII**
The best rose colour. Flowering time: w April to May.

4 ▶ **6** *cultorum* **CASCADE**
Ground-cover plant for rock gardens. Early and floriferous. Flowering time: April to May.

Height	Habit	Pot size	Mini.	Colour	Code
15 cm	mounded	10-13 cm	250 GN	1. Blue Shades	M32.400
				2. Red	M32.291
10 cm	mounded	9-11 cm	1 g	3. Rose	M32.260
10 cm	mounded	9-11 cm	1 g	4. Blue	M32.000
				5. Purple	M32.100
				6. Red	M32.200

Bacopa

- **Scrophulariaceae**
- **Sutera cordata**
- **Annual for beddings, ground-cover, hanging baskets and window boxes**
- **Germination:**
At 20-23°C. Do not cover pelleted seeds.
- **Growth temperature:**
15 to 24°C the day, 13 to 15°C the night.
- **Cultivation period:**
8 to 10 weeks in 10,5 cm pots.



1 BLUTOPIA® Blue

2 PINKTOPIA® Carmine Rose

3 SNOWTOPIA® White

Trailing ball-shaped habit. Easy cultivation without pinching. The first Bacopa series issued from seeds. Use in pots and window boxes. Full sun location.

Height	Habit	Pot size	Mini.	Code
15-20 cm	trailing	10 cm, baskets	100 GE	E08.100E
				E08.101E
				E08.102E

Baptisia

- **Fabaceae**
- **Baptisia australis**
- **Perennial for beddings**
- **Sowing:**
From March to June.
- **Germination:**
At 18°C.
- **Growth temperature:**
Between 16 and 18°C.
- **Voltz advice:**
Prefers a rich, permeable soil and a full sunny location. Can survive dry periods.



AUSTRALIS Blue

Lilac-blue. Lupine-type flowers. Green-blue foliage. Flowering time: June to August.

Height	Habit	Mini.	Code
100 cm	upright	100 GP	M32.900GP

Basella

- **Basellaceae**
- **Basella rubra**
- **Sowing:**
April to mid-May.
- **Germination:**
At 24-28°C, in 5-8 days.
- **Growth temperature:**
Between 20 to 24°C.
- **Voltz advice:**
Planting from Mid-May to Mid-June.



SELECT RED

Heat loving strong climber producing up to 6 m long veins. Used as ornamental plant because of its red stems and lovely lilac flowers. The young foliage is edible.

Height	Habit	Pot size	Mini.	Code
600 cm	climbing	13-19 cm	5 g	E08.300

Basilicum

- **Lamiaceae**
- **Ocimum basilicum**
- **Annual herb**
- **Sowing:**
From February to April.
- **Germination:**
At 18-20°C.
- **Voltz advice:**
Temperatures below 10°C are causing blackness of foliage. Pinching 1-2 times improves plant habit and delays flowering.



ARISTOTLE

Greek-Basil Type. Beautiful ball-shaped habit. Attractive and very fragrant foliage. Highly branched variety producing a beautiful plant.

Height	Habit	Pot size	Mini.	Code
40 cm	mounded	12-16 cm	250 GN	E08.510

Begonia hybrida

- **Begoniaceae**
- **Begonia X hybrida**
- **Annual for beddings and pot plant**
- **Sowing:**
At 22-26°C with one seed per cell, from December to February. Do not cover seeds.
- **Growth temperature:**
Between 20 and 22°C, then decrease to 18-19°C at the end of cultivation.
- **Voltz advice:**
Cultivation time from sowing to sales: 13-17 weeks.

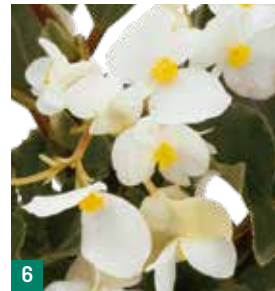


GRYPHON

Spectacular foliage which catches attention. Tropical aspect. For indoors and outdoors. Versatile for both indoor and outdoor sales areas. Loves shadow and half-shady places. For 11-18 cm pots.

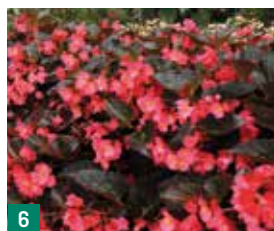
Height	Habit	Pot size	Mini.	Code
35 cm	mounded	11-18 cm	100 GE	R03.850E

Begonia hybrida



HIGH VARIETIES WITH LARGE FLOWERS		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	7 MEGAWATT F1	50-70 cm	upright	12-15 cm	100 GE	1. Pink Bronze Leaf	E08.716E	2. Pink Green Leaf	E08.711E
						3. Red Bronze Leaf	E08.718E	4. Red Green Leaf	E08.714E
						5. Rose Green Leaf	E08.710E	6. White Bronze Leaf	E08.715E
						7. White Green Leaf	E08.731E		

High impact, non stop flowering series for multiple uses in beddings and mixed plantings. Very good outdoor performance.



HIGH VARIETIES WITH LARGE FLOWERS		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	8 BIG F1	50-70 cm	upright	12-15 cm	100 GE	1. Pink Bronze Leaf	E08.777E	2. Pink Green Leaf	E08.776E
						3. Red Bronze Leaf	E08.770E	4. Red Green Leaf	E08.772E
						5. Rose Bronze Leaf	E08.774E	6. Deep Rose Bronze Leaf	E08.773E
						7. Rose Green Leaf	E08.778E	8. White Green Leaf	E08.771E

Early and extremely long flowering period across a wide range of conditions. Large eye-catching flowers. Strong, robust and well-branching, more upright habit. For window boxes, flower beds and eye-catching plantings in parcs.

Strong colour contrast!



HIGH VARIETIES WITH LARGE FLOWERS		Height	Habit	Pot size	Mini.	Colour	Code
1	2 VIKING® F1	70-80 cm	bushy	12-17 cm	100 GE	1. Pink on Chocolate	E08.731E
						2. Red on Chocolate	E08.730E

Giant All-Weather Begonia with bright colours on very dark foliage.

Begonia hybrida



SEMI-TRAILING VARIETY WITH LARGE FLOWERS		Height	Habit	Pot size	Mini.	Colour	Code
1	2	30-60 cm	semi-trailing	13-16 cm	100 GE	1. Red on Green	E08.734E
VIKING® EXPLORER F1						2. Rose on Green	E08.735E

DRAGON WING®

DRAGON WING® F1

- Spectacular flowering until frost
- Fast and vigorous growth
- Exceptionally heat-resistant
- Suitable for landscaping and public parks
- Low maintenance, self-cleaning plant



SEMI-TRAILING VARIETY WITH LARGE FLOWERS		Height	Habit	Pot size	Mini.	Colour	Code
1	3	30-40 cm	upright to semi-trailing	12-15 cm	100 GE	1. Pink	E08.751E
DRAGON WING® F1						2. Red	E08.750E
						3. White	E08.752E

Begonia *boliviensis* hybrida ☺ 🌱

Large, attractive flowers. Superior performance in baskets and mixed containers



TRAILING TYPES WITH LARGE FLOWERS		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 6	FUNKY® F1 A new generation of Begonia: semi-trailing but compact and very well branched. Large semi-double and double flowers bringing continuously a lot of colour in the garden until frost. Best in half shade, but withstands also full sun.	20 cm	semi-trailing	11-15 cm	100 GE	1. Light Pink	E08.621E	2. Orange	E08.622E
						3. Pink	E08.620E	4. Red	E08.625E
						5. Scarlet	E08.623E	6. White	E08.624E



TRAILING TYPES WITH LARGE FLOWERS		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 5	GROOVY® F1 Uniform series across colors, short internodes, well branched, semi-trailing habit, single flowers with large petals in clear vivid colours.	30-35 cm	-	13-16 cm, baskets	100 GE	1. Mellow Yellow	E08.633E	2. Orange	E08.635E
						3. Red	E08.637E	4. Rose	E08.643E
						5. White	E08.644E		
						Also available in Mix			

Begonia *tuberhybrida*

■ **Begoniaceae**

■ **Begonia X tuberhybrida**

■ **Annual for beddings and pot plant**

■ **Seed count/gram:**
50 000

■ **Sowing:**

Sowing from Mid of December to February. Do not cover seeds because germinate at light. Cover seeds by a plastic film. Protect from sun.

■ **Germination:**

At 24°C, in 10 to 14 days.

■ **Growth temperature:**

Between 16°C and 18°C.

■ **Voltz advice:**

It is important to maintain a high level of humidity to obtain a good plant development. 5 months growth after sowing. Harden plants to cold temperatures before sales. Prevent from oidium with appropriate treatment.



1



2



3



4



5



6



7



8



9

UPRIGHT VARIETIES

Height	Pot size	Mini.	Colour	Code	Colour	Code
25 cm	11-13 cm	250 GE	1. Mix	E09.180E	2. Deep Rose	E08.942E
			3. Fire	E08.921E	4. Orange	E08.941E
			5. Red	E08.910E	6. Rose Picotee	E08.992E
			7. Salmon	E09.020E	8. White	E09.100E
			9. Yellow	E09.140E		

1 ► 9 **NONSTOP® F1** 

Unequaled performance in containers and window boxes. Excellent branching produces full mounded plant habit. Large fully double flowers. Green foliage.



1



2

UPRIGHT VARIETIES

Height	Pot size	Mini.	Code
20-25 cm	11-13 cm	250 GE	E09.194E
30 cm	10-12 cm	250 GE	E08.802E

1 **NONSTOP® F1 MOCCA Mix**

Large double 8 cm flowers. Wonderful colour because of dark foliage.

2 **FORTUNE F1 / GO EARLY F1**
Quick & Compact Mix

Mixture of the genetically compact colours, which do flower early with a tight flowering window. 8-10 days shorter cultivation period than any other equivalent variety.

Begonia *semperflorens* ☉

● **Begoniaceae**

● **Begonia semperflorens**

● **Annual for beddings and pot plant**

● **Sowing:**
Sowing from mid of December until February. Requires light for germination. Cover seeds with a plastic film or a glass plate. To protect from sun.

● **Germination:**

In 10 to 14 days at 22-27°C, with a very high humidity. Do not let drying out.

● **Growth temperature:**

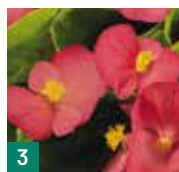
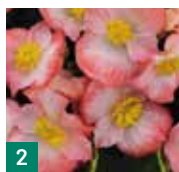
Between 18 and 20°C in warm greenhouse.

● **Voltz advice:**

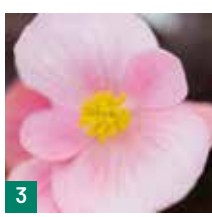
Cultivation period of 4 months after sowing. Harden plants with lower temperatures before sales.

SPRINT PLUS and SENATOR IQ: BEST CHOICE FOR YOUR EARLY SALES!

- Series with green and dark foliage
- Compact and uniform habit
- Very early
- Ideal for pot and pack production



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 9	SPRINT PLUS F1	20-25 cm	bushy	9-10 cm	1 000 GE	1. Maxi Mix	E13.060E	2. Blush	E13.062E
						3. Lipstick	E13.076E	4. Orange	E13.072E
						5. Orange Bicolor	E13.073E	6. Pink	E13.064E
						7. Red	E13.070E	8. Rose	E13.068E
						9. White	E13.066E		



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 8	SENATOR IQ F1	20 cm	mounded	9-10 cm	1 000 GE	1. Mix	E13.276E	2. Bicolor	E13.272E
						3. Cherry Blossom	E13.277E	4. Deep Rose	E13.271E
						5. Pink	E13.275E	6. Rose	E13.274E
						7. Scarlet	E13.273E	8. White	E13.270E
						9. Mix	E13.704E		

9 **SENATOR IQ F1 / SPRINT PLUS F1**

SUPER COOL: BEST CHOICE FOR FLOWER BEDS AND GRAVE YARDS



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 5	SUPER COOL F1	20-25 cm	bushy	9-11 cm	1 000 GE	1. Mix	E13.128E	2. Bicolor	E13.120E
						3. Pink	E13.122E	4. Red	E13.124E
						5. White	E13.126E		

Very well branched, green-leaved series with large flowers for production at low temperatures. Crop time 10-12 weeks.

Bellis ☺

For autumn and spring sales!

■ **Asteraceae**

■ **Bellis perennis**

■ **Biennial for beddings**

■ **Sowing:**

For frostfree culture in greenhouse: begin of August to begin of September. For cold resp. outdoor production: from June to August.

■ **Germination:**

15-18°C in 7-14 days. Light germinator: Do not cover seeds with soil.

■ **Growth temperature:**

In winter as cool as possible but frostfree. Maintain temperature at 8-12 °C to stimulate growth and flower.

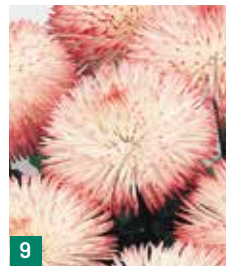
■ **Voltz advice:**

Cultivated frostfree the roots should not grow through the bottom of the pot. Avoid frost, cold winds and full sun.



FALL VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 3	BAM BAM	10-15 cm	upright	9-10 cm	1000 GE	1. Red	M33.450E	2. Rose	M33.451E
	Replaces Roggli. Unique large flowered with dwarf habit, cleaner foliage than traditional varieties. No vernalisation needed! For autumn and spring sales.					3. White	M33.452E		
4 ▶ 7	BELLADAISSY / BELLA	10-15 cm	upright	9-10 cm	1000 GE	4. Pink	M33.500E	5. Red	M33.502E
	Flat and very well branched habit; highly floriferous and uniform, healthy foliage. Semidouble flowers, possible without vernalisation.					6. Rose	M33.504E	7. White	M33.506E
8 ▶ 11	SPEEDSTAR® PLUS	13 cm	mounded	8-9 cm	250 GE	8. Mix	M34.240E	9. Red	M34.241E
	Genetically compact plant habit. Very uniform flowering. Many semi-double flowers with bright colors, no vernalization required, for autumn and spring sales. Improved pellet quality.					10. Rose	M34.242E	11. White	M34.243E

For Spring sales!



SPRING VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 6	TASSO <small>Colours de ville</small>	12 cm	mounded	7-9 cm	250 GE	1. Mixed	M34.276E	2. Deep Rose	M34.271E
						3. Pink	M34.272E	4. Strawberry & Cream	M34.273E
						5. Red	M34.270E	6. White	M34.274E
						7. Mixed	M34.060E	8. Red	M34.052E
						9. Rose	M34.054E	10. White	M34.056E
12	ROGLI ROBELLA <small>Colours de ville</small>	15 cm	mounded	7-9 cm	250 GE	11. White Red Tips	M34.058E		
						12. Salmon Pink	M34.260E		

Pomponette-type. Very large flowers 100% double. Early.



6 cm large, fully double flowers with provided long petals. Short stems.

Very attractive. Unique colour with big flowers.

Bergenia 4

- Saxifragaceae
- *Bergenia cordifolia*
- Perennial for beddings
- **Sowing:** From September to November.
- **Germination:** At 18°C.
- **Growth temperature:** Between 16 and 18°C.
- **Voltz advice:** Vernalization will encourage flowering. The major part of the season, leaves have a bright green foliage, but in colder regions they turn out in red or in bronze in autumn.



- 1 WINTERGLOW**  Improved Rotblum-type with an exceptional red foliage in winter. Flowering time: March to May.
- 2 ROSE** Green foliage. Flowering time: March to May.
- 3 ROTBLUM**  Improved selection. Flowering time: March to May.

Height	Habit	Pot size	Mini.	Code
45 cm	upright	9-12 cm	250 GN	M35.0101
60 cm	upright	9-12 cm	250 GN	M35.0401
60 cm	upright	9-12 cm	250 GN	M35.0001

Beta

- Chenopodiaceae
- *Beta vulgaris*
- Annual ornamental vegetable for flower beds
- **Seed count/gram:** Rubin: 50
- **Sowing:** From March to May.
- **Germination:** In 6 to 14 days at 15-18°C.



- 1 BRIGHT LIGHTS** Light to purple chard. Green-purple leaves.
- 2 BRIGHT YELLOW** Green foliage, yellow chard.
- 3 Rhubarb Chard RUBIN** Green foliage, red chard.

Height	Habit	Pot size	Mini.	Code
50 cm	upright	11-14 cm	500 GN	E14.850
50 cm	upright	11-14 cm	500 GN	E14.854
50 cm	upright	11-14 cm	10 g	E14.890

Borago

- Boraginaceae
- *Borago officinalis*
- Annual plant
- **Seed count/gram:** 55
- **Sowing:** Direct sowing from April to June.
- **Sowing density:** 30 cm in rows.
- **Germination:** At 18-20°C, in 7-14 days.
- **Growing temperature:** 16-18°C day / 11-12°C night.
- **Voltz advice:** Young plants can stand very low temperatures.



- 1 BLUE** Bee-attracting flowers for production of edible flowers; or as plant in mixed vegetable/flower combinations.
- 2 WHITE**

Height	Habit	Pot size	Mini.	Code
50-70 cm	upright	9-10 cm	10 g	M35.300B
50-55 cm				M35.301B

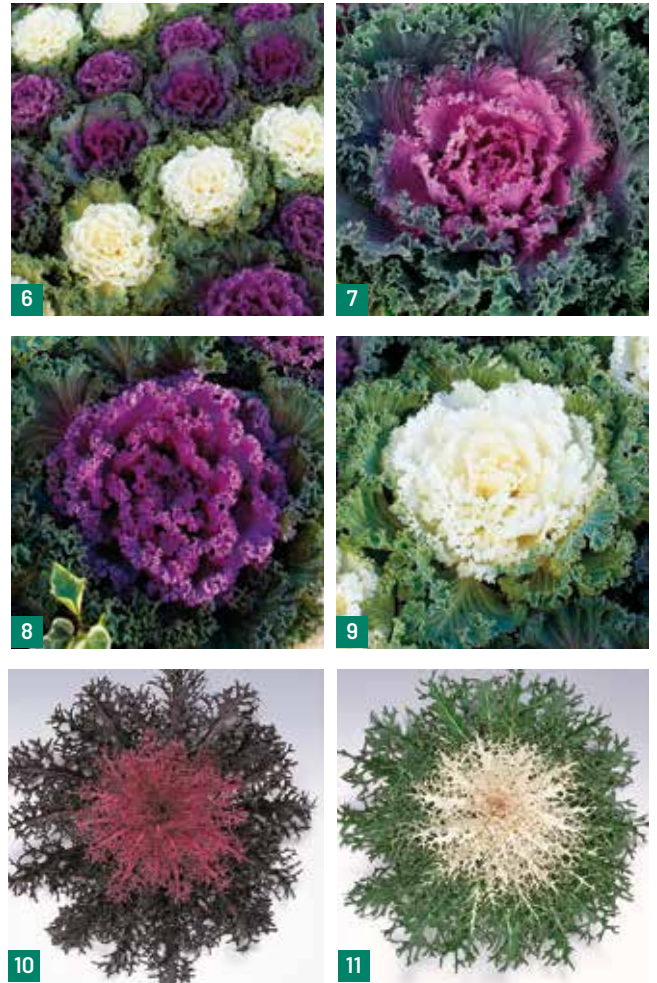
Brassica ☺

■ Brassicaceae
■ Brassica oleracea

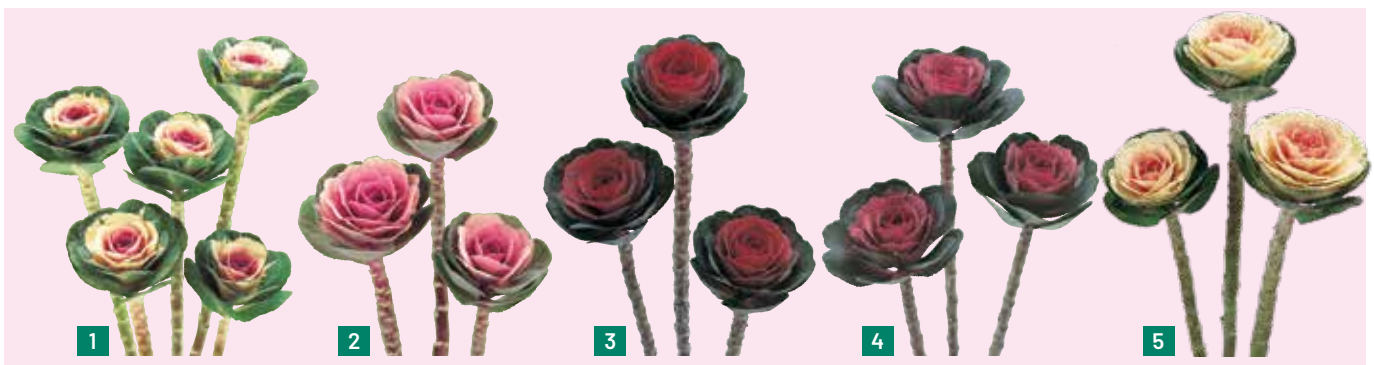
■ Biennial for beddings and cutflowers
■ Seed count/gram:
250


■ Sowing:
From the end of May to July.
■ Germination:
At 15-20°C, in 7-10 days.

■ Voltz advice:
Avoid nitrogen at the end of cultivation. Night temperatures below 14°C will intensify the foliage colour.



POT VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 5	PIGEON F1 / ATTRACTION F1 <small>colours as listed</small>	15-25 cm	round	12-13 cm	250 GN	1. Mix	E15.675	2. Purple	E15.672
	Round, dark green foliage. Robust habit, suitable for use in beds.					3. Red	E15.673	4. Victoria	E15.674
6 ▶ 9	NAGOYA F1 / KING F1 <small>colours as listed</small>	20 cm	round	12-13 cm	250 GN	5. White	E15.671		
	Uniform growth and intense colorization of the leaves.					6. Mix	E15.640	7. Red	E15.642
	PIGEON F1 + NAGOYA F1 <small>(not illustrated)</small>	15-25 cm	round	12-13 cm	250 GN	8. Rose	E15.641	9. White	E15.643
10 ▶ 11	PEACOCK F1	35 cm	round	12-15 cm	250 GN	Mix	E15.261		
	Feather-leaved type.					10. Red	E15.4621	11. White	E15.4641



CUTFLOWERS VARIETIES		Height	Habit	Mini.	Colour	Code	Colour	Code
1 ▶ 5	CRANE F1 	50-70 cm	upright	250 GN	1. Bicolour	D15.515	2. Pink	D15.517
	Long lasting in bouquets. Best cutflower variety.				3. Red	D15.512	4. Rose	D15.513
					5. White	D15.5201		

Brassica ☺



POT VARIETIES		Height	Habit	Pot size	Mini.	Code
1	curled REDBOR F1	Very beautiful ornamental plant with curled foliage.	70 cm	upright	10,5-13 cm	100 GN E15.630
2	curled WINTERBOR F1	Curly, semi-high variety with green to dark green leaves.	70 cm	upright	10,5-13 cm	100 GN E15.632
3	palm NERO DI TOSCANA	Narrow and embossed, blue-grey leaves.	70 cm	upright	10,5-13 cm	1g E15.620

Bupleurum ☺

- **Apiaceae**
- **Bupleurum rotundifolium**
- **Annual for cut flowers**
- **Seed count/gram:** 350
- **Sowing:** April-May, outdoors.
- **Germination:** At 16-18°C.
- **Voltz advice:** Easy cultivation in 10 to 12 weeks outdoors. Row-spacing: 25-30 cm.



GRIFFITI

Green-yellow. Strong stems. Foliage like Eucalyptus.

Height	Habit	Pot size	Mini.	Code
60 cm	upright	10-11 cm	5 g	D16.000

Calceolaria ☺

- **Scrophulariaceae**
- **Calceolaria herbeohybrida**
- **Biennial for beddings and pot plant**
- **Sowing:** From June to September. Don't cover the seeds.
- **Germination:** At 18-20°C, at light.
- **Growth temperature:** Between 15 and 18°C.



DAINTY F1 Mix

Early, compact and uniform mix. Small strong leaves.

Height	Habit	Pot size	Mini.	Code
20 cm	upright	10-12 cm	250 GE	R08.240E

Calendula ☺

- **Asteraceae**
- **Calendula officinalis**
- **Annual bedding plant and cut flower**
- **Seed count/gram:** 130
- **Sowing:** January-February for flowering April-May. Sowing July for flowering September-October. Sowing in October for flowering in February-March.
- **Germination:** At 15°C, in 10 to 14 days.
- **Growth temperature:** Between 10 and 15°C.
- **Voltz advice:** Cultivation for cut flowers: possible in greenhouse and outdoor: plant distance 20 x 10 cm, means 50 plants per m².

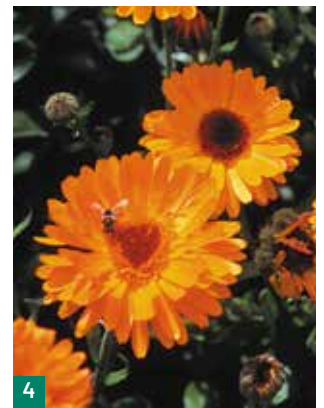


DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	▶ 3	25 cm	mounded	10-12 cm	5 g	1. Mix	E16.500	2. Orange	E16.540
FIESTA GITANA						3. Yellow	E16.520		

Round and compact habit. Extremely double flowers.



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	▶ 3 BON BON	20 cm	upright	11-12 cm	500 GN	1. Mixture 3. Yellow	E16.5801 E16.576	2. Orange	E16.578
4	▶ 5 CALEXIS	30 cm	bushy	10-15 cm	500 GN	4. Orange	E16.451	5. Yellow	E16.452



HIGH VARIETIES		Height	Habit	Mini.	Colour	Code	Colour	Code	
1	PACIFIC BEAUTY 🌸	50 cm	upright	5 g	Mix of many colours, for large beddings.	1. Mix	D18.304		
2	CORNICHE D'OR 🌸	50-60 cm	upright	500 GN	Orange-yellow with black heart; very double. Often used for pharma production.	2.	D18.1001B		
3	DOUBLE 🌸	50-60 cm	upright	500 GN	Mix of many different colours with good doubleness.	3. Mix	D18.3031B		
4	BALL'S ORANGE	60 cm	upright	5 g	Double-flowering variety with intense luminescent orange petals and lime green foliage. Thanks to the nice leaf colour, this variety is very attractive in flower bouquets or combined arrangements. The vase life is approx. 1 week.5	4. Orange	D18.000		
5	▶ 9 MAYA 🌸	60 cm	upright	5 g	Uniform. For cut flowers. Fits also for early production in greenhouse.	5. Gold/Green Centre 7. Orange/Green Centre	D18.052 D18.056	6. Orange 8. Yellow	D18.054 D18.058
				500 GN		9.	D18.060B		
10	TOUCH OF RED 🌸	60 cm	upright	500 GN	High series with unique colours. Ideal for cutflower production.	10. Mix	D18.3101		

Callistephus ☉

■ Asteraceae

■ Callistephus chinensis

■ Annual pot plant or cut flower

■ Seed count/gram: 500

■ Sowing:

Sowing indoors in March/April for sales in May. Direct sowing for later flowering is also possible. For dwarf varieties, sow 2 to 5 seeds directly in the final pot.

■ Germination:

At 15°C, in 7 to 14 days.

■ Growth temperature:

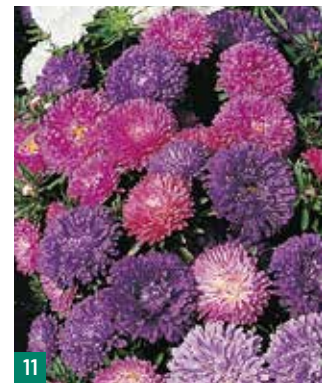
Between 12 and 15°C, not below 8-10°C.

■ Voltz advice:

In fields, rotation culture is heavily recommended to avoid soil diseases.



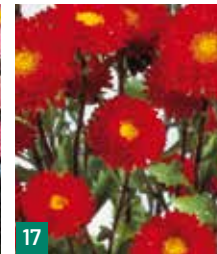
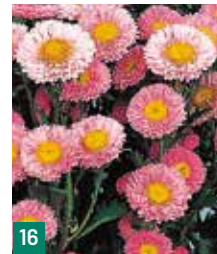
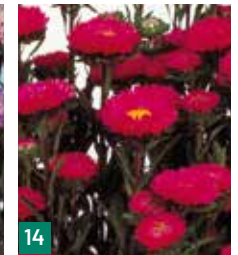
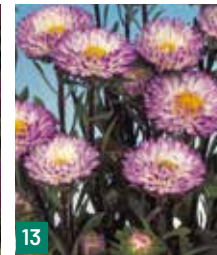
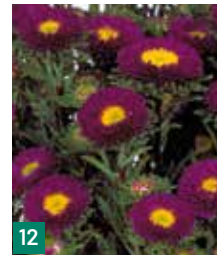
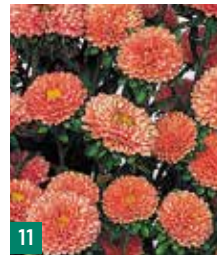
DWARF VARIETIES		Height	Habit	Pot size	Mini	Colour	Code	Colour	Code
1	6 STARLIGHT Basal branching, very compact series with large, spider-shaped flowers.	20 cm	bushy	10-12 cm	5 g	1. Mix	E17.435	2. Blue	E17.410
						3. Light Blue	E17.411	4. Light Pink	E17.412
						5. Purple	E17.413	6. Scarlet	E17.430
						7. Mix	E17.400	8. Dark Blue	E17.300
7	10 MILADY Large globulous flowers of ø 10 to 12 cm, chrysanthemum-type. For beddings and as pot plants.	25 cm	mounded	10-12 cm	5 g	9. Scarlet	E17.320	10. White	E17.380
						11. Mix	E17.409		




11 MILLE MERVEILLES / REINE DES NAINES
Frothy, pompom-like, fully double flowers cover these robust, dwarf plants with lovely dark green foliage.



HIGH VARIETIES TO CUT		Height	Habit	Mini	Colour	Code
1	POMPON	50 cm	upright	5 g	1. Mix	D13.190
2	BOUQUET	60 cm	upright	5 g	2. Mix	D13.800
3	GIANT NEEDLES	60 cm	upright	5 g	3. Mix	D12.740



HIGH VARIETIES TO CUT 		Height	Habit	Mini	Colour	Code	Colour	Code
1 ▶ 9 SERENADE	Small semi-double flowers. Branching habit. Pinch the terminal flower for harvesting the complete plant as one bouquet. Tolerant to Fusarium disease.	60 cm	upright	500 GN	1. Mix	D14.4691	2. Blue Tipped	D14.4611
					3. Deep Blue	D14.4571	4. Deep Rose	D14.4591
					5. Red	D14.4661	6. Rose	D14.4631
					7. Rose Tipped	D14.4621	8. Scarlet	D14.4641
					9. White	D14.4681		
					10. Mix	D13.5001	11. Apricot	D13.6001
					12. Blue	D13.5101	13. Blue & White	D13.5801
					14. Deep Rose	D13.6501	15. Light Blue	D13.5701
					16. Pink	D13.5301	17. Red	D13.5601
10 ▶ 21 MATSUMOTO	Pompon-like flowers with large yellow centre. Long and strong stems.	70 cm	upright	500 GN	18. Rose	D13.5201	19. Scarlet	D13.6301
					20. White	D13.5401	21. Yellow	D13.6201

Callistephus ☉



HIGH VARIETIES TO CUT 🌿		Height	Habit	Mini.	Colour	Code	Colour	Code	
1	STANDY	Good Fusarium and Verticillium resistance. Flower shape like Princess.	60 cm	upright	500 GN	1. Mix	D12.9581		
2	PRINCESS	Large, double ligulate florets. Long stems. Divergent habit.	60 cm	upright	5 g	2. Mix	D12.800		
3	BONITA	Very well branching even without pinching; but removing the flower in the centre does increase quality of the bouquet. Flowers 15-17 weeks after sowing.	60-70 cm	upright	500 GN	3. Mix	D12.870		
4	RAINBOW	The best single-flowering type to cut, with daisy-like flowers.	70 cm	upright	5 g	4. Single Mix	D12.710		
5	GALA	Large double flowers with pincushion petals. Upright and strong habit. Perfect stem quality.	80 cm	upright	500 GN	5. Formula Mix	D12.7351		
6	MATADOR®	Upright Princess type with large double ligulate florets.	85 cm	upright	500 GN	6. Mix	D12.7441	7. Crimson	D12.7421
						8. Deep Blue	D12.7431	9. Fiery Red	D12.7451
						10. Salmon Pink	D12.7461	11. Soft Blue	D12.7471
						12. White	D12.7481	13. Yellow	D12.7491

Campanula

Campanulaceae

- Campanula carpatica
- Campanula cochlearifolia
- Campanula glomerata
- Campanula medium
- Campanula poscharskyana
- Campanula persicifolia

Perennial or biennial bedding plant and cut flower

Seed count/gram:

C. glomerata : 9 000; C. medium: 3 500; C. persicifolia: 14 000; C. poscharskyana: 12 000

Sowing:

From April to July.

Germination:

At 18-20°C.


Growth temperature:

Between 15 and 18°C.



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 2	<i>carpatica</i> PEARL	18 cm	mounded	9-13 cm	250 GE	1. Deep Blue	M38.340E	2. White	M38.350E
3 ▶ 4	<i>cochlearifolia pusilla</i> BABY	10 cm	mounded	9-11 cm	1000 GN	3. Blue	M38.7001	4. White	M38.7201
5	<i>glomerata</i> ACAULIS	25 cm	upright	10-13 cm	1 g		M39.000		
6	<i>glomerata</i> ALBA	30 cm	upright	10-13 cm	0,25 g		M39.040		
7	POSCHARSKYANA	20 cm	creeping	9-10 cm	0,125 g		M40.800		



HIGH VARIETIES TO CUT 		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
8 ▶ 11	<i>medium</i> CHAMPION F1	60 cm	upright	12-13 cm	100 GE	8. Blue	D18.430E	9. Lavender	D18.443E
12 ▶ 15	MEDIUM	80 cm	upright	9-13 cm	5 g	10. Pink	D18.440E	11. White	D18.442E
16	<i>persicifolia</i> ALBA	30 cm	upright	10-13 cm	1 g	12. Single Mix	M37.200	13. Blue	M37.000
17	<i>persicifolia</i> COERULEA	30 cm	upright	10-13 cm	1 g	14. Deep Rose	M37.040	15. White	M37.160
						16. White	M40.600		
						17. Blue	M40.640		

Canna

■ Cannaceae

■ *Canna indica*

■ Annual bedding and pot plant

■ **Sowing:**

From December to April. It's important to cover the seeds with at least 5 mm peat.

■ **Germination:**

At 20-22°C.

■ **Growth temperature:**

Between 18 and 20°C.

■ **Voltz advice:**

Place seeds in water before sowing to ease germination. 16 weeks cultivation in a warm location, at least at 20°C.



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1 SOUTH PACIFIC™ F1 For beddings and containers, well branched and uniform. South Pacific is best choice for warmer regions in Europe; but also suitable in Northern Europe, then 7-10 days later in flower than Cannova

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
50-60 cm	upright	14-18 cm	100 GN	1. White	E17.4671		

2 ▶ 11 CANNOVA® F1 Earliest flowering Canna series. Robust, well branched plants with large flowers and long flowering period.

				2. Mix	E17.4671	3. Lemon	E17.455
				4. Bronze Orange	E17.469	5. Mango	E17.459
100-150 cm	upright	12-17 cm	100 GN	6. Orange Shades	E17.465	7. Red Shades	E17.452
				8. Rose	E17.453	9. Scarlet	E17.4471
				10. Yellow	E17.454	11. Bronze Scarlet	E17.458

Capsicum

■ Solanaceae

■ Capsicum annuum

■ Annual for pot plants

■ Sowing:
From March to June.

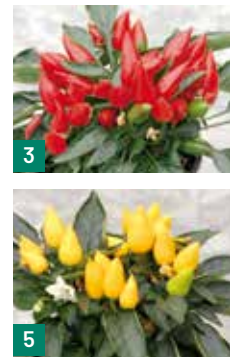
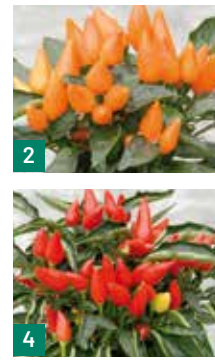
■ Germination:
At 21°C, in 10 to 14 days.

■ Growth temperature:

18-22°C at day; 16-18°C at night. Below these temperatures there is the risk of fruit deformation.

■ Voltz advice:

Sowing to sales 14-18 weeks, some varieties 20-24 weeks. Avoid too cold irrigation water (not under 14°C). Fertilize with potassium as soon as fruits appear.



1 ▶ 5 SALSA XP F1

Compact series with short production time; no PGR needed.

6 ▶ 10 CUBANA F1

Medium sized, upright fruits 4,5 x 2 cm. Vigorous plants with excellent basal branching and dark green foliage. An improvement of the previous Karneval series.

Height	Fruit colour	Habit	Pot size	Mini.	Colour	Code	Colour	Code
10 cm	Series with different pure colours	mounded	10-11 cm	100 GN	1. Mix(5 Colours)	R11.059	2. Deep Orange	R11.058
					3. Red	R11.052	4. Red/Yellow	R11.054
					5. Yellow	R11.056		
15-20 cm	Series with pure and multicolour colours	upright	10-13 cm	100 GN	6. Deep Orange	R11.240	7. Multicolour Orange	R11.244
					8. Multicolour Red	R11.246	9. Red	R11.248
					10. Yellow	R11.250		

11 MEDUSA

Many small fine fruits, long and upright.

12 SANTOS F1 Flare

Upright, straight fruit, 6 cm long on a compact and well-branched plant.

13 RED MISSILE F1

Big short conical fruit.

14 MASQUERADE F1

Big long conical fruit.

15 CHILLY CHILI

Overall plant size is about 30% larger than Medusa with similar crop time; excellent for containers and gardens. Non-pungent fruit, therefore suitable for indoor and outdoor use in public and residential areas. Fruit size 5-6 cm.

16 PURPLE FLASH

Small, round, shiny, deep purple fruits. The foliage variegates from green to black, combined with purple and white. Ball shaped habit. Good drought resistance.

17 BLACK PEARL F1

Bushy, upright, well branched plants with almost black foliage and black, round fruits maturing to Red. Foliage is greenish when young; matures to glossy black with high light and temperature.

Height	Fruit colour	Habit	Pot size	Mini.	Code
15-20 cm	Cream to deep red	mounded	10-11 cm	100 GN	R11.610
20 cm	Variable from light green to orange and yellow	mounded	10-12 cm	100 GN	R11.208
20-25 cm	Cream to deep red	mounded	10-12 cm	100 GN	R11.700
25-30 cm	Yellow to purple-red	mounded	12-14 cm	100 GN	R11.600
30-35 cm	Yellow-green via orange to dark red	mounded	10-15 cm	100 GN	R11.206
35-40 cm	Violet/black	upright	13-15 cm	100 GN	R11.204
35-45 cm	From black to red	upright	14-19 cm	100 GN	R11.280

Cardiospermum

Catananche

- Sapindaceae
- Cardiospermum
- Climbing annual
- Seed count/gram: 15
- Sowing: From February to April.
- Germination: At 18-20°C.
- Growth temperature: Between 15 and 18°C.



- Asteraceae
- Catananche caerulea
- Perennial bedding plant and cut flower
- Sowing: From March to June.
- Germination: At 18-20°C.
- Growth temperature: Between 15 and 18°C.
- Voltz advice: Prefers well drained, dry soils.



HALICACABUM

Known as balloon-plant. Decorative green, bowl-shaped capsules on climbing vines.

Height	Habit	Pot size	Mini.	Code
40 cm	climbing	16-21 cm	10 g	E17.470

CAERULEA

Flowers resemble to cornflowers. Also suitable for use as dried flower. Flowering time: July to September.

Height	Habit	Mini.	Code
65 cm	upright	1 g	M51.260

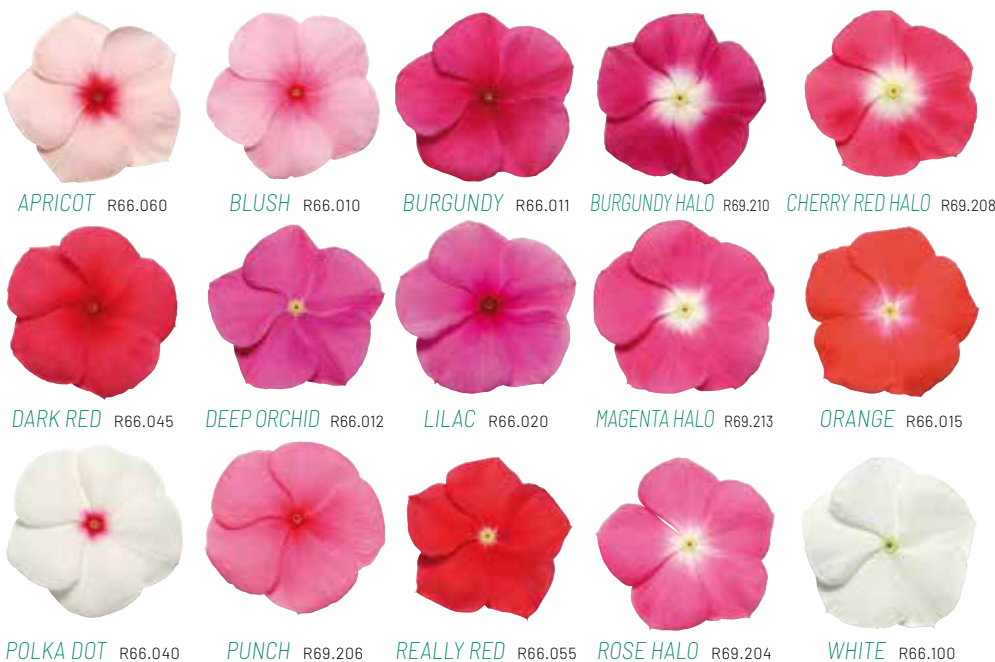
Carthamus

- Asteraceae
- Carthamus tinctorius
- Annual for cut flowers, fresh or dry
- Seed count/gram: 20
- Sowing: From March to June.
- Germination: At 16-20°C.
- Growth temperature: Between 15 and 20°C.
- Voltz advice: Toxic plant! Can be produced either in greenhouse or in open field. Harvest green plants for dried flower use.



	Height	Habit	Mini.	Code
ZANZIBAR ORANGE Mid early, uniform variety. Heat and drought tolerant. Large flower heads on strong stems for cutflower production.	70-80 cm	upright	10 g	D19.410B
ZANZIBAR ORANGE Mid early, uniform variety, heat-resistant, with large flowers on good stem quality.	70-80 cm	upright	10 g	D19.410

Catharanthus (Vinca)



PACIFICA XP

Pacifica improvement. Good performance in flower-beds. Short cultivation time.

Height	Habit	Pot size	Mini.	Colour	Code
20 cm	mounded	9-11 cm, Pack	250 GN	1. Mix	R69.218

■ Apocynaceae
 ■ Catharanthus roseus
 ■ Annual for beddings, pot plant and hanging baskets
Sowing:
 From January to April.
Germination:
 At 20°C, in the dark, in 14 to 20 days.
Growth temperature:
 Between 18 and 20°C.
Voltz advice:
 10 to 15 weeks.
 Avoid excessive watering and low temperature.



Titan



1 ▶ 14

TITAN® F1 patented

2 weeks earlier than OP varieties, superior branching and large flowers. More stress tolerant due to high vigour.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
35-40 cm	mounded	9-11 cm	250 GN	1. Mixture	R68.432	2. Apricot	R68.410
				3. Blush	R68.412	4. Burgundy	R68.414
				5. Dark Red	R68.416	6. Icy Pink	R68.418
				7. Lavender Blue Halo	R68.420	8. Lilac	R68.422
				9. Polka Dot	R68.424	10. Punch	R68.426
				11. Pure White	R68.428	12. Really Red	R68.415
				13. Rose	R68.430	14. Rose Halo	R68.431

Catharanthus (Vinca) ☉



1 ▶ 5
TATTOO™ F1

Without a doubt, the most unique Vinca on the market today! Each petal looks like it is inked or airbrushed with soft brush strokes of dark purple.

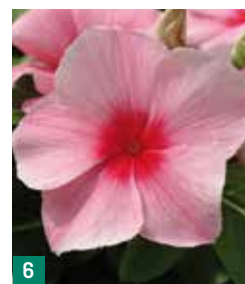
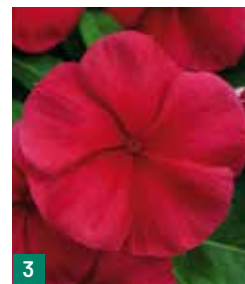
Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
25-35 cm	mounded	10,5-14 cm	250 GN	1. Black Cherry	R69.225	2. Blueberry	R69.224
				3. Papaya	R69.226	4. Raspberry	R69.227
				5. Tangerine	R69.228		



CORA XDR F1 Mix

XDR is the new generation with an improved tolerance to Phytophthora.

Height	Habit	Pot size	Mini.	Code
25 cm	mounded	10-12 cm	250 GN	R69.186



1 ▶ 7
MEDITERRANEAN XP

Semi-trailing habit. For hanging baskets.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
25 cm	semi-trailing	baskets	250 GN	1. Mixture	R69.275	2. Burgundy Halo	R69.269
				3. Dark Red	R69.271	4. Hot Rose	R69.272
				5. Rose Halo	R69.278	6. Strawberry	R69.274
				7. White	R69.270		

Celosia plumosa ☉

■ **Amaranthaceae**

■ **Celosia plumosa**

■ **Annual bedding, pot plant and cut-flower plant**

■ **Sowing:**
From January to April.

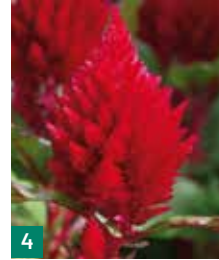
■ **Germination:**

In 7 to 14 days, at 22-24°C. Light germinator, do not cover the seeds.

■ **Growth temperature:**
Between 15 and 18°C.

■ **Voltz advice:**

Needs a high level of humidity and low temperatures for a good floral initiation.



1 ▶ 7 KIMONO Compact with large plumes. For pot plants and bedding plants.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
17 cm	upright	9 cm, pack	500 GN	1. Mix	E17.8801	2. Cherry Red	E17.6981
				3. Orange	E17.7201	4. Red	E17.7601
				5. Rose	E17.7801	6. Scarlet	E17.8201
				7. Yellow	E17.8401		

8 SMART LOOK® Attractive flower plume on dark -red foliage that is sure to draw attention. Heat tolerant.

25-28 cm	upright	10-12 cm	500 GE	8. Red	E17.901E		
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9 ▶ 13 FIRST FLAME Mid-height First Flame series offers well branched plants filling the pot. Large tight plumes for a fuller look in containers. 10-14 days earlier than other varieties on the market. Offered as coated seeds for easy sowing!

25-35 cm	bushy	10-13 cm	1000 GFC	9. Mix	D22.606E	10. Purple	D22.602E
				11. Red	D22.603E	12. Scarlet	D22.604E
				13. Yellow	D22.605E		

14 ▶ 18 GLORIOUS Fast and uniform germination, compact habit, heat-tolerant, bright colours for miscellaneous use. Loves full sun and heat.

25-30 cm	upright	10-12 cm	500 GN	14. Mix	E17.9401		
			1000 GN	15. Orange	E17.9301	16. Pink	E17.9321
				17. Red	E17.9341	18. Yellow	E17.9361

19 ARRABONA Well-branched, exceptionally long-blooming plumosa-type Celosia with stunning new red-orange blooms. Tolerate drought and loves the heat.

30-35 cm	upright	10,5-13 cm	250 GFC	19. Red	E17.5001		
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Celosia plumosa



1 > 4 FRESH LOOK

Large, intense coloured, dense flower plumes. Well-branching habit. Ideal for a ø 10,5 to 12 cm pot culture. Cultivation 11 to 12-weeks from sowing to sale.

5 > 9 CENTURY

Excellent in flower beds. Early and floriferous.

10 DRAGON'S BREATH™ F1

Extra large, very bushy Celosia with red foliage gorgeous flowering, deep red plumes of colour. 'Dragon Breath' is an obligate short day plant (<11h), but can easily be scheduled for late spring, summer and autumn sales.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
40 cm	upright	10,5-12 cm	500 GE	1. Mix	D22.520E	2. Orange	D22.505E
				3. Red	D22.510E	4. Yellow	D22.500E
				5. Mix	D21.840I	6. Pink	D21.610I
50 cm	upright	-	500 GN	7. Red	D21.780I	8. Rose	D21.660I
				9. Yellow	D21.600I		
60-80 cm	upright	15-19 cm	100 GN		E17.600		

Celosia spicata

Amaranthaceae

Celosia spicata

Annual for bedding, pot plant and cutflower

Sowing: From February to March.

Germination: Between 15 and 18°C, in 1 to 2 weeks.

Growth temperature:

Between 12 and 15°C.

Voltz advice:

Space plants well during growth to improve their development. To sow in long days period.



1 > 7 KOSMO

Genetically compact, no need of growth regulator if pinched once. Short culture period. For pack or pot production.

8 > 9 FLAMINGO

Long spikes on sturdy stems. Great variety for use as cut and dried flowers.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
20 cm	ball-shaped	10-12 cm	100 GFC	1. Mix	E18.302E	2. Cherry	E18.301E
				3. Orange	E18.303E	4. Pink	E18.306E
				5. Purple Red	E18.300E	6. Salmon	E18.305E
				7. Yellow	E18.304E		
60-90 cm	upright	-	500 GN	8. Feather	E18.335	9. Purple	E18.330

Celosia *argentea* ☉

- **Amaranthaceae**
- **Celosia argentea**
- **Seed count/gram:** 1200
- **Sowing:** In March-April, 1 seed/cell.
- **Germination:** At 22-25°C, in 3-7 days.
- **Growth temperature:** 18-20°C day / 15-16°C night.
- **Voltz advice:** To prevent premature flowering, keep growing plugs under daylength of 14 hours or longer due to short day flowering response. Don't allow media to dry out.



1 ► 2 SOL® COLLECTION

Foliage tends to be more green when kept indoors, and it turns to burgundy when the plant is left outdoors for at least 1 to 2 weeks. Fantastic new foliage Celosia with relatively fast production time and no downy mildew issues. Grown for its sunloving, distinct bicolor foliage.

Height	Habit	Pot size	Mini.	Colour	Code
25-35 cm	upright	15-17 cm	100 GE	1. Gekko Green	E17.495E
				2. Lizzard Leaf	E17.496E

Celosia *cristata* ☉

- **Amaranthaceae**
- **Celosia cristata**
- **Annual bedding plant and cut flower**
- **Sowing:** From January to April.
- **Germination:** At 20-22°C, in 7 to 14 days.
- **Growth temperature:** Between 15 and 18°C.
- **Voltz advice:** Seeds germinate with light. Therefore, do not cover the seeds. Sow seeds on a light and draining soil. When production begins, keep soil humid. Further cultivation under drier conditions.



	Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ► 3 ARMOR	30-40 cm	compact	10,5-12 cm	500 GFC	1. Mixture 3. Yellow	E18.2001 E18.2081	2. Red	E18.2061
4 MIXED COLOURS	70-80 cm	upright		500 GN		D21.2001B		
5 RED FLAME ☼	70-80 cm	upright		500 GN		D21.2021B		
6 SCARLET ☼	70-80 cm	upright		500 GN		D21.2041B		
7 ► 13 CHIEF ☼	100 cm	upright	-	500 GN	7. Mix 9. Fire Scarlet 11. Persimmon 13. Rose	D21.8601 D21.8101 D21.4001 D21.8301	8. Carmine 10. Gold 12. Red	D21.7901 D21.8001 D21.7701

Centaurea candidissima

- Asteraceae
- **Centaurea candidissima**
- Annual for borders
- Seed count/gram: 300
- Sowing: From February to April.

- Germination: At 18-20°C.
- Growth temperature: Between 15 and 18°C.
- Voltz advice: Sunny exhibition or middle shade.



MAGIC SILVER

Fine, silvery grey foliage. Ideal in combinations.

Height	Pot size	Mini.	Code
25 cm	12-15 cm	5 g	E18.450

Centaurea montana

- Asteraceae
- **Centaurea montana**
- Perennial for beddings and cut flowers
- Seed count/gram: 60
- Sowing: From April to June.

- Germination: At 20°C.
- Growth temperature: Between 15 and 18°C.
- Voltz advice: Suitable for chaly soil.



MONTANA

Bushy plant with large flowers. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
50 cm	upright	9 cm	5 g	M52.000

Centaurea cyanus

- Asteraceae
- **Centaurea cyanus**
- Annual for beddings, cut flowers and flower meadows
- Seed count/gram: 200

- Sowing: From the end of January to May or September.
- Germination: At 15-20°C in 7 to 10 days.

- Growth temperature: Between 10 and 15°C.
- Voltz advice: Can be used as a medicinal plant. Flowers are edible. Crop time spring: 12-15 weeks. Crop time when autumn sowing: 8 months. Plants tolerate temperatures below 0°C.



1 VICTORIA

Early: 10-14 days earlier than Boy Blue.

2 ▶ 7 BOY

Many double flowers. For cultflower use, fresh or dry.

Height	Habit	Mini.	Colour	Code	Colour	Code
70 cm	upright	10 g	1. Blue	D23.260		
			2. Mix	D23.160	3. Blue	D23.000
80 cm	upright	10 g	4. Blue	D23.000B	5. Pink	D23.040
			6. Red	D23.080	7. White	D23.120

Centranthus



- Valerianaceae
- **Centranthus ruber**
- Perennial bedding plant and cut flower
- Seed count/gram: 500
- Sowing: From March to July.

- Germination: At 18-20°C.
- Voltz advice: Very hardy plant. High resistance to cold weather and to drought. Plants appreciate dry, stony soils. Do not bear humidity at all.



1 ▶ 2 RUBER

Easy rootage. Flowering time: May to September.

Height	Habit	Mini.	Colour	Code
70 cm	upright	1 g	1. Albus	M52.500
			2. Coccineus	M52.560

Cerastium



- Caryophyllaceae
- **Cerastium tomentosum**
- Perennial for rock gardens
- Seed count/gram: 2 400

- Sowing: From March to June.
- Germination: At 15-18°C.
- Growth temperature: Between 12 and 16°C.



TOMENTOSUM White

White. Compact and floriferous. Grey-green foliage. Flowering time: May to June.

Height	Habit	Pot size	Mini.	Code
15 cm	cushion	9-12 cm	1 g	M53.660

Cerinthe



- Boraginaceae
- **Cerinthe major**
- Annual for flower beds and bouquets
- Seed count/gram: 15-20

- Sowing: From March to June.
- Germination: At 18-20°C.
- Growth temperature: Between 15 and 18°C.



KIWI Blue

Purple-blue flowers and silvery-blueish foliage. As cutflower for summer bouquets or in landscape beddings.

Height	Habit	Pot size	Mini.	Code
70 cm	upright	10,5-12 cm	5 g	D23.401

Cheiranthus ☺

- Brassicaceae
- Cheiranthus cheiri
- Biennial for beddings

- Seed count/gram:** 500
- Sowing:** From May to July.

- Germination:** At 15-18°C, in 14 to 21 days.
- Growth temperature:** Between 12 and 15°C.

- Voltz advice:** The varieties plants of Sugar Rush don't need vernalization and start flowering in the first year in autumn.



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 5 SUGAR RUSH F1	Best series of wallflower for autumn and spring sales. Sugar Rush F1 doesn't need any vernalization for flowering. The well branched habit and the upper quality of the flowers are the leading points of this variety. Sugar Rush F1 flowers over a long period and presents excellent cultivation performances thanks to its excellent branching.	25 cm	mounded	10 cm, Jumbo-pack	250 GN	1. Mix	M54.225	2. Primrose	M54.330
						3. Purple	M54.332	4. Red	M54.334
						5. Yellow	M54.335		
6 ▶ 11 BEDDER <small>Collection de Voltz</small>	Beautiful plants for flower beds and landscaping.	30-35 cm	upright	11-12 cm	5 g	6. Mix	M54.200	7. Golden	M54.160
						8. Orange	M54.170	9. Primrose	M54.174
						10. Scarlet	M54.180	11. Vulcan	M54.165



HIGH VARIETY		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 5 RAVENELLE HIGH <small>Collection de Voltz</small>	Single flowers. For high bedding plantations and use as cut flower.	55 cm	upright	13-16 cm	5 g	1. Mix	M54.100	2. Cloth of Gold	M54.420
						3. Goliath Brune	M54.422	4. Linnaeus Ivory	M54.426
						5. Scarlet Emperor	M54.423		

Chrysanthemum

■ Asteraceae

- *Coleostephus multicaulis*
- *Hymenostemma paludosum*
- *Chrysanthemum segetum*
- *Ismelia carinata*

■ Annual for beddings

- **Seed count/gram:**
C. multicaulis: 500; *C. segetum*: 400;
C. carinatum: 350

■ **Sowing:**

From January to March for early sales; with one or more seeds per cel in 9 cm pots or packs. Direct sowing in April possible.

■ **Germination:**

At 12-15°C for a growth in 10-14 days.

■ **Growth temperature:**

Between 8 and 10°C.



			Height	Habit	Pot size	Mini.	Code
1	<i>multicaulis</i> GOLDEN GLORY	Spreading habit. Ideal for for small borders.	15 cm	upright	9-11 cm	1 g	E19.500
2	<i>paludosum</i> SNOWLAND™ SELECT	Floriferous; attractive, daisy-like flowers of 3 cm diameter. Excellent bedding plant, well branched.	20-25 cm	upright	10,5-13 cm	500 GN	E19.625
3	<i>segetum</i> ELDORADO	Very floriferous, well branched plant with many intense yellow flowers with dark centre.	50 cm	upright	13-16 cm	5 g	E19.633
4	<i>carinatum</i> SIMPLE MIX	Popular summer cut flower; all colours with distinct ring. Harvesting as soon as flower bud opens.	45-60 cm	upright	-	1 g	D23.700

Cineraria

■ Asteraceae

- *Senecio cineraria*
- Annual or biennial for beddings

■ **Seed count/gram:**
2 000

■ **Sowing:**
From January to June.

■ **Germination:**

At 16-18°C.

■ **Growth temperature:**

Between 14 and 18°C.

■ **Voltz advice:**

12 to 14 weeks cultivation period. Cultivation as biennial is possible. Do not fertilize with too high nitrogen level.



			Height	Habit	Pot size	Mini.	Code
1	SILVER DUST	The reference, dwarf and finely pinnate leaves.	20-25 cm	mounded	9-10 cm	1 g 1000 GE	E21.900 E21.900E
2	SILVERADO	Silvery grey foliage on uniform plants. At an early stage Silverado is more green colored, which later turn into silvery grey. Graded seeds for more even germination.	20-25 cm	mounded	packs, 9-10,5 cm	1000 GC	E21.901GC
3	CIRRUS	Round silvery foliage and coarsely pinnate leaves.	25 cm	mounded	9-11 cm	250 GE	E21.890E
4	QUICKSILVER™	Genetically dwarf selection, showing the silvery foliage already in young plant stage.	25-30 cm	bushy	pack-10 cm	1000 GC	E21.902GC
5	CANDICANS	Silvery white, filigran, pinnate foliage.	30-40 cm	mounded	9-10 cm	1 g	E21.895

Cleome

- **Capparaceae**
- **Cleome spinosa**
- **Annual for beddings**
- **Seed count/gram:**
500
- **Sowing:**
From February to April.
- **Germination:**
At 18°C, in 14 to 20 days.
- **Growth temperature:**
Between 14 and 16°C.
- **Voltz advice:**
3-months growing period. Production in airy and warm location with high light conditions. Take care that plants get slowly adapted to cooler outdoor conditions.



1 ► 6

SPARKLER 2.0 F1

Optional long day plant critical day length 14 hours. More uniform in habit and flowering time than previous Sparkler® series

7 HELEN CAMPBELL

Non-stop flowering from July until frost.

8 ► 10 QUEEN

Non-stop flowering from July until frost.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
60-90 cm	upright	11-19 cm	100 GN	1. Mix	E22.715	2. Blush	E22.711
				3. Lavender	E22.712	4. Purple	E22.717
				5. Rose	E22.713	6. White	E22.714
100 cm	upright	-	5 g	7. White	E22.534		
100 cm	upright	-	5 g	8. Cherry	E22.540	9. Rose	E22.536
				10. Violet	E22.620		
Also available in Mix							E22.660

Cobaea

- **Polemeniaceae**
- **Cobaea scandens**
- **Climbing annual**
- **Seed count/gram:**
10
- **Sowing:**
Direct 4 to 5 seeds per pot, from February to March.
- **Germination:**
At 18°C, in 14 to 20 days.
- **Growth temperature:**
Between 14 and 16°C. Lower to 10 to 15°C before sales.
- **Voltz advice:**
2 to 3-months cultivation period. Requires a climbing frame.



1 ► 2
SCANDENS

Vigorous. Bell-shaped, large flowers. Flowering June-October.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
300 cm	climbing	16-21 cm	5 g	1. Violet Blue	E22.800	2. White	E22.810

Coleus (*Solenostemon / Plectranthus scutellarioides*)

■ **Lamiaceae**

■ **Coleus blumei**

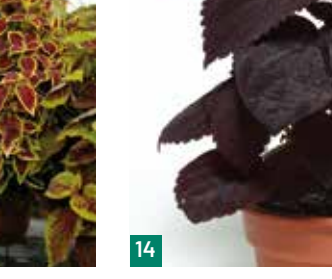
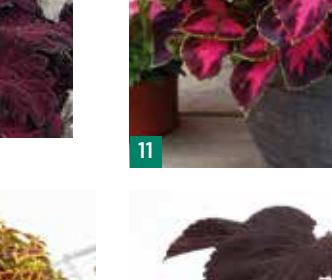
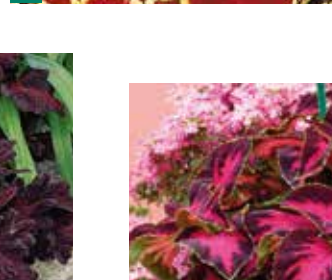
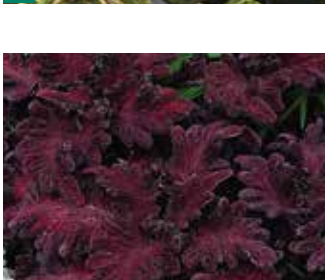
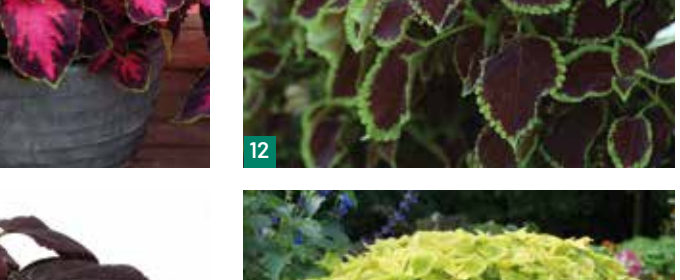
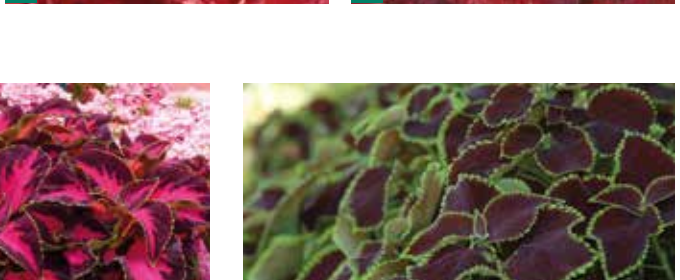
■ **Annual bedding and pot plant**

■ **Sowing:**
From January to May.

■ **Germination:**
At 20-22°C, in 14 to 20 days.

■ **Growth temperature:**
Between 14 and 18°C.

■ **Voltz advice:**
Needs high light conditions for a good plant development and for a good leaf coloration. Remove flower spikes in order to keep intense leaf colour.





		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code												
1 ▶ 9 WIZARD® 	Small leaves. Well branched. Good homogeneity between colours. The Select Mix offers an improved colour range and mix ratio.	30-35 cm	mounded	9-11 cm, pack	500 GN	1. Select Mix	E23.205	2. Coral Sunrise	E23.260												
						3. Golden	E23.230	4. Jade	E23.240												
						5. Mosaic	E23.250	6. Rose	E23.290												
						7. Scarlet	E23.320	8. Sunset	E23.330												
						9. Velvet Red	E23.340														
						10 BLACK DRAGON	Beautiful in flower beds. Small blue flowers which appear at the beginning of summer.	35 cm	upright	10,5-12 cm	500 GN		E23.500								
												11 ▶ 18 PREMIUM SUN	Mounded, upright, well branched habit; medium to small foliage; perfect for full sunny locations. Late flowering and dwarf size are adaptable to pack and pot programs.	35 cm	upright	10-13 cm	100 GE	11. Chocolate Covered Cherry	E23.516E	12. Chocolate Mint	E23.510E
																		13. Crimson Gold	E23.452E	14. Dark Chocolate	E23.512E
						19 ▶ 23 GIANT EXHIBITION	Very large, serrated foliage on strong plants. 13 weeks from sowing to matured plant.	35 cm	upright	10,5-13 cm	500 GN	15. Lime	E23.456E	16. Pineapple Surprise	E23.518E						
17. Rose to Lime	E23.458E	18. Watermelon	E23.460E																		
19. Limelight	E23.350	20. Magma	E23.353																		
21. Marble	E23.354	22. Palisandra	E23.352																		
23. Rustic Red	E23.356																				
24. Mix	E23.398E	25. Lime Sprite	E23.388E																		
26. Mosaic	E23.380E	27. Red	E23.382E																		
24 ▶ 29 KONG®	Vigorous upright habit. Extremely branching series with huge leaves.	50 cm	upright	12-19 cm	100 GE	28. Rose	E23.384E	29. Scarlet	E23.386E												

Coreopsis 21

- Asteraceae
- Coreopsis lanceolata
- Coreopsis grandiflora

- Perennial for beddings
- Seed count/gram:
C. grandiflora: 350-400;
C. lanceolata 450

- Sowing:
From January to February for summer sales. From July to August for a biennial cultivation and sales in spring.

- Germination:
At 16-18°C.
- Growth temperature:
Between 14 and 16°C.

- Voltz advice:
Cut back in autumn to allow plants to recover.



1 grandiflora **PRESTO®** 

First year flowering. Ball-shaped habit. Masses of double yellow flowers, ø 5 cm. The best variety for plug production. Flowering time: June to August.

2 grandiflora **DOUBLE THE SUN** 

Extra early variety with semi-double, golden-yellow flowers. In spring 2-3; in summer 1-2 weeks earlier than Early Sunrise.

3 grandiflora **SUNKISS** 

Large, bright light yellow flowers with distinct, red eye. Flowering time like Early Sunrise.

4 grandiflora **EARLY SUNRISE** 

Double flowers. Deep green lanceolated foliage. Drought-resistant. First year flowering. Flowering time: June to September.

6 grandiflora **SUNFIRE** 

Single flowers. First year flowering. Flowering time: June to September.

5 lanceolata **STERNTALER**

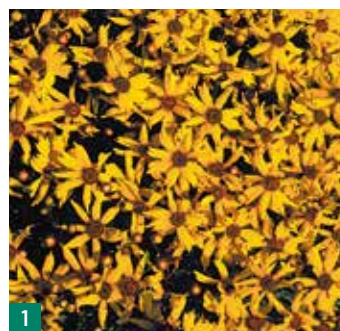
Golden yellow with brown circle. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
25 cm	upright	9-11 cm	250 GN	E23.7051
25 cm	bushy	10,5-12 cm	250 GP	E23.703GP
25 cm	bushy	10,5-12 cm	250 GP	E23.706GP
40 cm	upright	10,5-12 cm	250 GP	E23.7001GP
60 cm	upright	11-13 cm	250 GP	E23.710GP
40 cm	upright	10,5-12 cm	5 g	M58.680

Coreopsis tinctoria

- Asteraceae
- Coreopsis tinctoria
- Annual for beddings
- Seed count/gram:
3 500

- Sowing:
From March to May.
- Germination:
At 16-18°C.
- Growth temperature:
Between 14 and 16°C.



1 **GOLDSTAR** Compact habit. Floriferous.


2 **ROULETTE** *Bicolour* Well branched, large flowers all season long. Gorgeous colour display!

Height	Habit	Pot size	Mini.	Code
30 cm	mounded	10-12 cm	1g	E23.600
50-80 cm	bushy	12-13 cm	1g	E23.605


Cosmos

- **Asteraceae**
- **Cosmos bipinnatus**
- **Annual bedding, pot plant and cut-flower plants**
- **Seed count/gram:** 120
- **Sowing:**
In greenhouse from January to April or directly in place from April to May for outdoor cultivation.
- **Germination:**
At 18°C, in 8 to 14 days.
- **Growth temperature:**
Between 14 and 18°C.
- **Voltz advice:**
2-3 months cultivation in 10 to 13 cm pots.




BIPINNATUS VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 7	SONATA 	50 cm	upright	11-15 cm	250 GN	1. Classic Mix	E24.320	2. Carmine	E24.290
						3. Pink	E24.296	4. Pink Blush	E24.298
						5. Purple Shades	E24.294	6. Red Shades	E24.295
						7. White	E24.300		

Large, ø 8 cm flowers. Sophisticated foliage. Strong stems. Perfect variety for summer pot sales.

8	XANTHOS 	50-60 cm	upright	13-18 cm	250 GN	8. Yellow	D24.310		
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Unique yellow Cosmos; early flowering with round flowers, single and some with collarette in stunning soft yellow. Nice compact and well-branched plants. Suitable for growing in pots.



BIPINNATUS VARIETIES TO CUT		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 2	POPSOCKS 	45-60 cm	upright	13-15 cm	1000 GN	1. Pink	D24.400	2. White	D24.405
						3. Mixed	D24.4701	4. Cranberries	D24.4721
3 ▶ 8	DOUBLE CLICK	60-80 cm	upright	13-18 cm	250 GN	5. Pink Bicolour	D24.4781	6. Rose	D24.4741
						7. Violet Bicolour	D24.4791	8. White	D24.4761

Cosmos

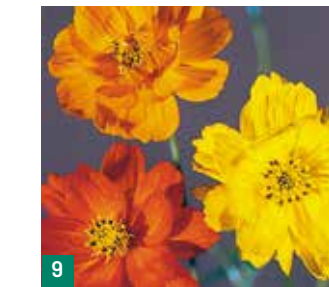


BIPINNATUS VARIETIES TO CUT		Height	Habit	Pot size	Mini.	Colour	Code
1	RUBENZA	60-80 cm	upright	13-18 cm	5 g	1. Ruby Red	D24.3201
2	COSIMO	70 cm	upright	13-18 cm	250 GN	2. Collarette	D24.300
3						3. Purple Red White	D24.304



HIGH BIPINNATUS VARIETIES TO CUT		Height	Habit	Mini.	Colour	Code
1	SENSATION	Masses of long lasting, daisy-like flowers on strong stems.	90-100 cm	upright	25 g	1. Sensation E24.400B
2	BLUSH PINK	Greenhouse and outdoor cultivation possible.	110 cm	upright	5 g	2. Blush Pink D24.480
3	ROSALIE	Pink with dark centre. Strong stems and large flowers.	110 cm	upright	5 g	3. Rose Dark Centre D24.500
4	SEA SHELLS	Very large flowers, tubular petals.	110 cm	upright	5 g	4. Mixed E24.390
5	VERSAILLES	Ideal for large flower-beds and as cutflower.	110 cm	upright	5 g	5. Mix D24.535
6	VIRGO	Large flowers.	110 cm	upright	5 g	6. Pure White D24.590
7	VULCAN	Red. Large flowers.	110 cm	upright	5 g	7. Red D24.510
8	ATTRACTION	Strong stems and large flowers.	110 cm	upright	5 g	8. Pink D24.530

- **Asteraceae**
- **Cosmos sulphureus**
- **Annual bedding, pot plant and cut-flower plants**
- **Seed count/gram:** 100
- **Sowing:** In greenhouse from January to April or directly in place from April to May for outdoor cultivation.
- **Germination:** At 18°C, in 8 to 14 days.
- **Growth temperature:** Between 14 and 18°C.
- **Voltz advice:** 2-3 months cultivation in 10 to 13 cm pots.



SULPHUREUS VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	LIMARA	20 cm	mounded	10-13 cm	250 GN	1. Lemon	E23.970D		
2	MANDARIN	20-25 cm	mounded	11-13 cm	250 GN	2. Orange	E23.985		
3	▶ 6 COSMIC	30 cm	mounded	9-13 cm	250 GN	3. Mix 5. Red	E23.965D E23.963D	4. Orange 6. Yellow	E23.960D E23.962D
7	▶ 8 LADYBIRD	30 cm	upright	10-13 cm	5 g	7. Mix	E23.980	8. Scarlet	E23.976
9	FIREWORKS	60 cm	upright	13-15 cm	5 g	9. Mixed	D24.580		
10	SULPHUREUS	60-70 cm	upright	11-13 cm	25 g		D24.580B		

Cosmos

- **Asteraceae**
- **Cosmos atrosanguineus**
- **Perennial**
- **Seed count/gram:** 110
- **Sowing:** From February to April, 1 seed/cell
- **Germination:** At 20°C, in 10 to 21 days.
- **Growth temperature:** 21°C day / 18°C night.
- **Voltz advice:** 2-3 months cultivation in 10 to 13 cm pots.



BLACK MAGIC

First year flowering perennial with pinnate foliage and velvet burgundy blossoms with chocolate fragrance.

Height	Habit	Pot size	Mini.	Code
50-60 cm	upright	11-13 cm	100 GN	D24.540

Craspedia

- **Asteraceae**
- **Craspedia globosa**
- **Annual for fresh or dry cutflower**
- **Seed count/gram:** 1000
- **Sowing:** From January to April.
- **Germination:** At 16-18°C, in 14 to 20 days.
- **Growth temperature:** Between 15 and 18°C.
- **Voltz advice:** Production from March onwards in greenhouse or tunnel. Or planting outdoor in field in May after last frost. Row-spacing: 25-30 cm.



DRUMSTICK

Golden yellow. Ball-shaped flowers. Unique stems without leaves.

Height	Habit	Mini.	Code
60-70 cm	upright	1g	D24.6001

Crucianella 24



- Rubiaceae
- Crucianella stylosa
- Perennial for rock gardens
- Sowing: From April to June.

- Germination: At 18°C.
- Growth temperature: Between 14 and 18°C.

STYLOSA Purple rose

Purple pink. Half-shady location. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
20 cm	ground cover	9-10,5 cm	500 GN	M60.5001

Cuphea

- Lythraceae
- Cuphea ignea
- Cuphea ramosissima
- Annual bedding plant
- Sowing: From February to April.

- Germination: In 7-10 days at 21-24°C. Cover seeds lightly. Don't cover the seeds from C. ramosissima. 3-4 seeds per plug.
- Fertilization: pH 5,5 to 5,8.



1 ignea **DYNAMITE**

Well suited for multiple use, as solo or in mixed containers and baskets, on balcony or in beddings.

Height	Habit	Pot size	Mini.	Code
20-25 cm	mounded	10,5-13 cm	500 GN	E25.005

2 ramosissima **PINK SHIMMER**

A profusion of little flowers cover the delicate leaves all summer long.

Height	Habit	Pot size	Mini.	Code
25-40 cm	mounded	10,5-16 cm	250 GN	E25.040

Cyclamen persicum

- Primulaceae
- Cyclamen persicum
- Annual pot plant

- Sowing: Gradually from December to March.
- Germination: Seeds must be covered and placed in a dark location, at 18°C. Germination in 20 to 30 days.

- Growth temperature: Between 12 and 16°C.
- Voltz advice: 24 to 32 weeks growing period depending on variety, growing period and pot size. Do not

transplant too deeply, as tuber could rot. Avoid excessive watering. Plants better develop in an airy soil.

	Height	Plants/m ²	Pot size	Crop time	Mini.	Code
METIS® F1 Mix	9-15 cm	25 in 9 cm pots	6-12 cm	25-28 weeks	100 GN	R16.690
LATINIA® F1 Mix	20-25 cm	12 to 15 in 12 cm pots	10,5-15 cm	28-30 weeks	100 GN	R16.620
HALIOS® F1 Mix	20-50 cm	8 to 12 in 14 cm pots	12-16 cm	32-36 weeks	100 GN	R16.674

Cynara cardunculus

- Asteraceae
- Cynara cardunculus
- Annual ornamental vegetable
- Seed count/gram: 20
- Sowing: In April.
- Germination: At 16-18°C, in 8 to 10 days.



CARDUNCULUS

Silvery pinnate and lanceolate foliage.

Height	Habit	Mini.	Colour	Code
100 cm	upright	10 g	Cardon	D25.020

Cynara scolymus

- Asteraceae
- Cynara scolymus, Globe artichoke
- Annual for beddings
- Seed count/gram: 15
- Sowing: In February-March.
- Germination: At 18-20°C, growth in 8 to 10 days.
- Growth temperature: Between 12 and 16°C.



VIOLET DE PROVENCE




Large flower heads with violet flowers from July-August. Green foliage. Full sun to half-shady location.

Height	Habit	Mini.	Colour	Code
120 cm	upright	5 g	Violet de Provence	D25.120

Cyperus 2

- Cyperaceae
- *Cyperus alternifolius*
- *Cyperus glaber*
- *Cyperus papyrus*
- *Cyperus zumula*
- Perennial grass for pot plants
- Seed count/gram:
C. zumula: 5 000;
others: 15 000
- Sowing : December to May.
- Germination : At 18-20°C.




		Height	Habit	Pot size	Mini.	Code
1 ZUMULA	The true Cat grass! Used for pot sales in pet stores.	15-30 cm	upright	13-15 cm	5 g	G84.2051
2 GLABER 	Used for its green foliage. Very elegant in combined flower-beds.	50 cm	upright	11-15 cm	500 GN	G84.200KA
3 ALTERNIFOLIUS 	Umbrella Papyrus cultivated as ornamental pot plant.	50-70 cm	upright	12-15 cm	0,25 g	R21.000
4 PAPYRUS 	The true Papyrus from the Nile river delta. Attractive plant with large flower heads, suitable for containers and plantings close to ponds.	50-80 cm	upright	12-16 cm	0,125 g	G84.115

Dahlia

- Asteraceae
- *Dahlia variabilis*
- Annual bedding and pot plant
- Seed count/gram: 110
- Sowing: From February to April.
- Germination: At 18-20°C, in 7 to 14 days.
- Growth temperature: Between 14 and 16°C.
- Voltz advice: Crop time: 12 to 15 weeks.



		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 PICCOLO 	Single-flowering. Compact and early, for packs and sales in pots.	25 cm	mounded	packs, 9-11 cm	5 g	1. Mix	E26.720		
2 AMORE	The best double-flowering variety. Early and homogeneous.	30 cm	upright	9-12 cm	5 g	2. Mix	E25.900		
3 DIABLO	Double flowers. Bronze foliage. Compact habit.	30 cm	upright	9-12 cm	5 g	3. Mix	E26.3001		
4 ▶ 9 FIGARO	Large colour range. Regular and compact habit. High percentage of double flowers.	30 cm	upright	9-12 cm	250 GN	4. Mix 6. Red Shades 8. White	E26.100 E25.994 E26.000	5. Orange Shades 7. Violet Shades 9. Yellow Shades	E25.990 E25.996 E26.040
10 HARLEQUIN	Attractive variety with bicolour collars.	45 cm	upright	10-12 cm	250 GFC	10. Mix	E26.7326FC		

Dierama

- Iridaceae
- **Dierama pulcherimum**
- Perennial
- **Seed count/gram:** 75

- **Sowing:** From July to September. 1-2 seeds/cell.
- **Germination:** At 20°C in 10-21 days.
- **Growth temperature:** 20°C day/ 16° night.

PULCHERRIMUM

Deciduous, half-hardy perennial for pot production. Requires dry habitat in winter and low humid in summer.

Height	Habit	Pot size	Mini.	Code
130-150 cm	upright	9-10,5 cm	250 GN	M71.5001



Delosperma

- Aizoaceae
- **Delosperma cooperi**
- Perennial for rock gardens
- **Sowing:** January-March or July-August.

- **Germination:** 20-22°C. Light germinator! Do not cover the seeds.
- **Voltz advice:** Use well drained, sandy soil.

TABLE MOUNTAIN

Purple-red Mesembrianthemum-like flowers on flat growing plants. Drought tolerant ground cover plant with succulent, fleshy, cylindrical, medium green leaves.

Height	Habit	Pot size	Mini.	Code
10 cm	mounded	9-10 cm	1000 GE	M62.100E




Delphinium

- Ranunculaceae
- **Delphinium consolida**
- Annual for cutflower
- **Seed count/gram:** 400

- **Sowing:** Direct sowing in field, from February to May or in October-November under shelter.

- **Germination:** At 10-12°C, in 18 to 25 days. Temperatures above 15°C can decrease the germination result.
- **Growth temperature:** Between 5 and 10°C.
- **Voltz advice:** Avoid excessive watering. When growing in greenhouse, ensure good ventilation. Crop period in spring: 2-3 months.



	Height	Habit	Mini.	Colour	Code	Colour	Code
1 ▶ 2 GALILEE 	80-100 cm	-	5 g	1. Mix	D26.770B	2. Blue	D26.772B
				3. Mix	D26.720	4. Blue Bell	D26.400
				5. Blue Spire	D26.440	6. Carmine King	D26.480
				7. Dazzler	D26.520	8. Lilac Spire	D26.600
				9. Pink Perfection	D26.580	10. Rose	D26.560
				11. Salmon Beauty	D26.680	12. White Spire	D26.640
3 ▶ 12 EXQUISITE	120 cm	upright	5 g				

Cutflower with filigran foliage and double flowers; for production of fresh or dried flowers.

Double flowered series for fresh or dry cut flowers. Suitable for outdoor and greenhouse production.

Delphinium 21

- Ranunculaceae
- Delphinium elatum
- Delphinium cultorum
- Delphinium grandiflorum
- Perennial bedding plant or cut flower
- Seed count/gram: 600
- Sowing: From March to June.
- Germination: At 18-21°C in 14-20 days. Dark germinator!
- Growth temperature: Between 10 and 12°C.
- Voltz advice: Avoid excessive watering. Prophylactic treatments recommended against mildew every 2 weeks.



1  **2** *grandiflorum* **CHEER F1**


This Delphinium grandiflorum proved to flower early, grows uniform and has dwarf spread shape. Blooms with 3 cm flower diameter appear 120 days after sowing.

3 *elatum* **GUARDIAN F1**







Genetically semi-dwarf plants suitable as cut-flower, in containers or flower-beds. Straight and strong stems with dense spikes. Flowering time: July to September.

4 *cultorum* **DASANTE F1 / DELPHINITY**


Flower spikes very straight. Intense blue flowers with white bee.

Height	Habit	Pot size	Mini.	Colour	Code
34-40 cm	upright	9-10,5 cm	250 GN	1. Blue	M61.2001
				2. Light Blue	M61.2011
75-100 cm	upright	3-5l pot	100 GN	3. Blue	M64.950
70-80 cm	upright	13-16 cm	100 GN	4. Blue	M64.940



CULTURUM HIGH VARIETIES TO CUT 		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
5  14 <i>cultorum</i> MAGIC FOUNTAINS 	Pacific-type, excellent in flower-beds. Green foliage. Due to its short, strong stems perfect for cut use as well as for large containers. With an early sowing date first year flowering is possible. Flowering time: July to September.	80 cm	upright	3-5l pot	500 GN	5. Mix	M64.4001	6. Cherry White Bee	M64.3701
						7. Dark Blue Dark Bee	M64.2601	8. Dark Blue White Bee	M64.2801
						9. Lavender White Bee	M64.3001	10. Lilac White Bee	M64.3201
						11. Mid Blue White Bee	M64.3501	12. Sky Blue White Bee	M64.3601
						13. White	M64.3401	14. White Dark Bee	M64.3801
15  19 <i>cultorum</i> PACIFIC GIANT 	For large flower-beds. Green foliage. Flowering time: July to September.	150 cm	upright	-	1 g	15. Astolat	M63.400	16. Black Knight	M63.460
						17. Blue Bird	M63.520	18. Galahad	M63.700
						19. King Arthur	M63.820		

Dianthus barbatus ☺☺

- Caryophyllaceae
- Dianthus barbatus
- Annual or biennial for beddings

■ **Seed count/gram:**
900

■ **Sowing:**
For annuals from March to April,
for biennials from May to June.

■ **Germination:**
At 18-20°C.

■ **Growth temperature:**
Between 12 and 15°C.



HIGH VARIETIES TO CUT		Height	Habit	Mini.	Colour	Code	Colour	Code					
1 ▶ 14 SWEET F1	For cut flower use. Rigid stems. Fragrant flowers. For summer and winter production in greenhouse.	50-90 cm	upright	250 GE	1. Mix	D27.995E	2. Black Cherry	D27.960E					
					3. Coral	D27.950E	4. Deep Pink Maxine	D27.979E					
					5. Magenta Bicolor	D27.972E	6. Neon Purple	D27.981E					
					7. Pink	D27.974E	8. Pink Magic	D27.976E					
					9. Purple	D27.975E	10. Purple White	D27.977E					
					11. Red	D27.980E	12. Rose Magic	D27.978E					
					13. Scarlet	D27.985E	14. White	D27.990E					
					15. Mix	M67.100	16. Scarlet	M66.920					
					17. White	M67.040							
					18. Mix	M66.320							
					19. Mix	M66.600							
					20. Mix	M66.265B							
					20 SINGLE <small>colours to white</small>	True Sweet William with single flowers for cutflower production; in several colours and bicolours.	60-70 cm	upright	10 g	20. Mix	M66.265B		



COMPACT VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	DIABUNDA® F1	15-20 cm	mounded	10-11 cm	250 GE	1. Mix	M66.520E		
2	BARBARINI®	20 cm	mounded	9-11 cm	250 GN	2. Mix	M65.460		
3	▶ 6 DASH™ F1	40-50 cm	upright	13-19 cm	250 GE	3. Crimson	M65.506E	4. Magician Plnk	M65.508E
						5. Pink	M65.500E	6. White	M65.504E

Dianthus chinensis ☉

- **Caryophyllaceae**
- **Dianthus chinensis**
- **Annual for beddings and pot plant**
- **Sowing:** From December to April for annual cultivation; or in September for biennial crop.
- **Germination:** At 16-20°C, in 7 to 14 days.
- **Growth temperature:** Between 12 and 16°C.
- **Voltz advice:** Grow at high light level and cool conditions. Harden plants before sales. 12-14 weeks crop time for culture without pinching. Pinching improves plant habit but prolongates cultivation time. Earlier sales possible with additional light 14 hours per day.



		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	▶ 6 DIANA F1	15-20 cm	mounded	9-11 cm	250 GN	1. Mixed	E30.680	2. Picotee Mix	E30.684
	3. Blueberry					E30.658	4. Lavender Picotee	E30.676	
	5. Loving White					E30.671	6. Scarlet	E30.662	

Dianthus chinensis ☉



Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
				1. Mix	E30.616E	2. Cherry Red	E30.615E
				3. Purple	E30.620E	4. Rose	E30.611E
				5. Strawberry	E30.613E	6. White	E30.614E
				7. White Purple Eyes	E30.622E		

1 ▶ 7
CORONET™ F1

Uniform growing series with extra large flowers; 6-8 cm diameter.

20-25 cm mounded packs-11 cm 500 GE

Dianthus hybridus ☉ ☺

■ **Caryophyllaceae**

■ **Dianthus barbatus x chinensis**

■ **Annual or biennial bedding plant**

■ **Sowing:**

From March-April for annuals, or from May to June for biennials.

■ **Germination:**

At 18-20°C.

■ **Growth temperature:**

Between 12 and 15°C.

■ **Voltz advice:**

The first cross breeding of Dianthus chinensis and Dianthus barbatus resulting in a long-lasting flowering and a good resistance to cold. Grow at cool conditions with as much light as possible.



FESTIVAL F1

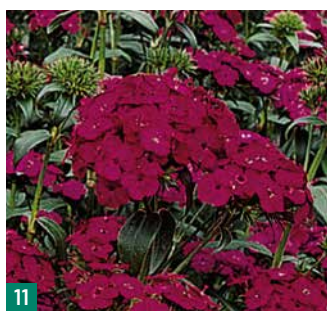
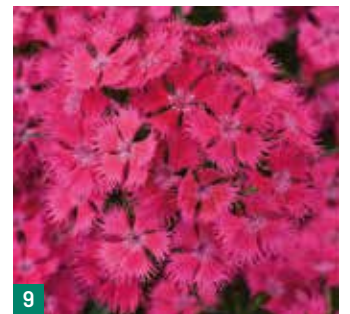
- Very large blooms
- Early flowering and long lasting flower
- Exceptional for sales of flowering plants in spring and autumn
- Tolerant to warm and cold conditions

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
				1. Mix	E30.570E	2. Cherry	E30.552E
				3. Cherry Picotee	E30.554E	4. Crimson	E30.553E
				5. Lilac	E30.555E	6. Purple	E30.562E
				7. Red	E30.550E	8. Rose	E30.556E
				9. Violet Picotee	E30.564E	10. White	E30.566E
				11. White Flame	E30.568E		

1 ▶ 11
FESTIVAL F1

Early flowering, floriferous, with good winter hardiness and summer heat-tolerance. For high-density production in spring and autumn in packs or pots.

20-25 cm mounded 9-11 cm, pack 250 GE



		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	TELSTAR F1	Bushy and ball-shaped habit. Vigorous growth. For packs and beddings.	25-30 cm	mounded	9-11 cm	250 GN	1. Mix	E30.5001	
2 ▶ 5	JOLT F1	A new interspecific Dianthus genetics offering opportunities for additional sales: highly durable, withstands hot Summer conditions with few disease issues and continues to flower without setting seed. Strong dark green foliage. Ideal for summer sales.	40-50 cm	upright	12-16 cm	100 GE	2. Cherry	D27.932E	3. Pink D27.934E
							4. Pink Magic	D27.936E	5. Purple D27.938E
6 ▶ 9	ROCKIN'™ F1	Winterhardy, interspecific true perennial with durable performance flowering in vivid colours. Suitable for outdoor production. Grow under high light and cool night temperatures to achieve most intense colours.	40-60 cm	upright	12-16 cm	100 GE	6. Pink Magic	E30.977E	7. Purple E30.978E
							8. Red	E30.976E	9. Rose E30.979E
10 ▶ 13	AMAZON F1	Multi-uses series performs well as a bedding plant and for cutflower use. Excellent late-season performance.	45-60 cm	upright	13-16 cm	250 GE	10. Neon Cherry	D27.890E	11. Neon Duo D27.891E
							12. Neon Purple	D27.892E	13. Rose Magic D27.893E

Dianthus *caryophyllus* ☺☺

- Caryophyllaceae
- *Dianthus caryophyllus*
- Annual or biennial bedding and pot plant and for cut-flower use

- **Seed count/gram:** 500
- **Sowing:** For annuals in January to April, for biennials from March to June.

- **Germination:** At 18-20°C, in 7 to 14 days.
- **Growth temperature:** Between 12 and 14°C.



1 LILLIPOT

Double flowers. Genetically compact variety, perfect for sales in pots. Cultivated as an annual it is flowering June-July.

Height	Habit	Pot size	Mini.	Colour	Code
20 cm	upright	10,5-13 cm	100 GN	1. Mix	E29.221

2 CHABAUD MARTIN



Double fringed flowers. Strong stems. Flowering time: June to October. Cultivated as an annual.

50 cm	upright	-	1 g	2. Mix	E30.022
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3 FLORISTANW



Unmatched flower size. Good vase life. Flowering time: June to July.

70 cm	upright	-	1 g	3. Mix	M67.900
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Dianthus 4 🌱

- Caryophyllaceae
- *Dianthus deltoides*
- *Dianthus plumarius*
- *Dianthus gratianopolitanus*
- Perennial for rock gardens

- **Sowing:** From March to June.
- **Germination:** At 18-20°C.
- **Growth temperature:** Between 10 and 14°C.



1 *deltoides* BRILLIANT

Beautiful dwarf selection. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
15 cm	mounded	9 cm	1 g	M68.900

2 *deltoides* WHITE

Excellent plant for borders. Flowering time: June to August.

15 cm	mounded	9 cm	1 g	M69.080
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3 *deltoides* LEUCHTFUNK

Dark foliage. Flowering time: June to August.

20 cm	mounded	9 cm	1 g	M69.200
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4 *gratianopolitanus* ROSE QUARTZ

Sweet scent; long flowering period; easy to produce! First Year Flowering without vernalization!

25-30 cm	mounded ground-covering	10-13 cm	250 GE	M69.320GE
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5 *plumarius* SPRING JOY Mix

Mix of double flowers; very floriferous. Flowering time: May to July.

40 cm	upright	9-15 cm	1 g	M70.200
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Dichondra



- **Convolvulaceae**
- **Dichondra sericea**
- **Dichondra repens**
- **Annual for hanging baskets and ground-cover**
- **Sowing:**
From December to March.
Cover seed lightly.
- **Germination:**
At 20-24°C in 5-10 days.
- **Growth temperature:**
Between 16 and 18°C.



1 EMERALD FALLS

Small green round leaves. Vigorous plant. Trailing habit for 12 cm pots, window boxes and hanging baskets. Ramifications until 90 cm. Multi-pelleted seeds.

2 SILVER FALLS

Small silvery round leaves. Same characteristics as Emerald Falls. Ramifications: from 90 to 120 cm.

Height	Habit	Pot size	Mini.	Code
10 cm	trailing	10-12 cm, baskets	100 GE	E31.191E
10 cm	trailing	10-12 cm, baskets	100 GN	E31.190

Digitalis



- **Scrophulariaceae**
- **Digitalis purpurea**
- **Digitalis x mertonensis**
- **Digitalis grandiflora**
- **Perennial or biennial bedding plant and cut flower**
- **Seed count/gram:**
10 000
- **Sowing:**
From January to February for the varieties flowering from the first year or from April to July for the perennial varieties.
- **Germination:**
At 20°C in 8-14 days.
- **Growth temperature:**
Between 14 and 18°C.



	Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
DWARF VARIETY								
1 ▶ 4	40-50 cm	upright	15 cm 2-3 l pots	250 GE	1. Mix	M73.436E	2. Peach	M73.430E
					3. Purple	M73.432E	4. White	M73.434E
HIGH VARIETIES								
5	80 cm	upright	9-10 cm or 2-3 l pots	500 GN		M72.9001		
6	100 cm	upright	9-10 cm or 2-3 l pots	1 g	6. Mix	M73.100		
7	120 cm	upright	9-10 cm or 2-3 l pots	500 GN		M73.2801		
8	120 cm	upright	9-10 cm or 2-3 l pots	500 GN		M73.3601		

Dodecatheon



- **Primulaceae**
- **Dodecatheon meadia**
- **Perennial**
- **Seed count/gram:** 2 300
- **Sowing:** From mid-June to the end of July. 1 seed/cell.
- **Germination:** 22°C day/16°C night.
- **Growth temperature:** 14°C day/10°C night.



DELUXE Mix

Eye-catching, cyclamen-like Flowers; plant diminishes in summer.

Height	Habit	Pot size	Mini.	Code
40-50 m	upright	9-12 cm	250 GP	M74.505GP

Doronicum



- **Asteraceae**
- **Doronicum orientale (caucasicum)**
- **Perennial bedding and pot plant**
- **Sowing:** From February to May for normal cultivation; in July for forced cultivation with sales for next spring.
- **Germination:** At 20°C.
- **Growth temperature:** Between 8 and 15°C.
- **Voltz advice:** Compact Doronicum are easy to force (8-12°C for a flowering in March).



LITTLE LEO

Compact plant for sales in pots. Possible to force for a flowering in March. Flowering time: April to June.

Height	Habit	Pot size	Mini.	Code
30 cm	upright	10-13 cm	250 GN	M75.270

Dracaena



- **Agavaceae**
- **Cordylina indivisa**
- **Annual green plant**
- **Seed count/gram:** 3 000
- **Sowing:** Sowing all year long according to production objectives.
- **Germination:** At 20-24°C, in 20 to 30 days.
- **Growth temperature:** Between 18 and 20°C.
- **Voltz advice:** Protect from frost in winter. Container cultivation is possible for bigger, high-quality products. Beware of watering excess.



INDIVISA AUSTRALIS

Green. Long and straight leaves.

Height	Habit	Pot size	Mini.	Code
60 cm	upright	16-19 cm	5 g	R15.040

Dolichos



- **Fabaceae**
- **Dolichos lablab**
- **Climbing annual**
- **Seed count/gram:** 3
- **Sowing:** Sowing in pot or pack, from March to May. Direct sowing in bed: May.
- **Germination:** At 18-20°C.
- **Growth temperature:** Between 14 and 18°C.



RUBY MOON

Purple foliage, purple flower, very ornamental. Flowering time: May to September.

Height	Habit	Pot size	Mini.	Code
300 cm	climbing	13-21 cm	10 g	E31.210

Dorotheanthus



- **Aizoaceae**
- **Dorotheanthus criniflorus**
- **Annual bedding plant**
- **Seed count/gram:** 3 000
- **Sowing:** From March to April. 3-5 seeds/plug.
- **Germination:** At 18-20°C, in 14 to 20 days.
- **Growth temperature:** Between 10 and 12°C.
- **Voltz advice:** Growing period: 2 to 3 months. Needs a sunny location. Avoid excessive watering and too strong humidity, particularly at lower temperatures.



CRINIFLORUS Mix

Large colour range. Ground-cover plant.

Height	Habit	Pot size	Mini.	Code
10 cm	mounded	9-11 cm	5 g	E46.000

Echeveria



- **Crassulaceae**
- **Echeveria peacockii**
- **Annual for mosaic plantings**
- **Sowing:** From February to April.
- **Germination:** At 20-22°C, in 10 to 18 days.
- **Growth temperature:** Between 8 and 10°C.
- **Voltz advice:** 7-months growth to obtain clods. Avoid excessive watering and air humidity.



PEACOCKII

Very slow growing succulent pot plant for indoors, but also for outdoor use such as grave yards, rock gardens and succulent gardens.

Height	Pot size	Mini.	Code
20 cm	6-8 cm; pack	250 GN	E31.498

Asteraceae
Echinacea purpurea
Echinacea simulata
Perennial bedding plant
Seed count/gram:
 300
Sowing:
 Sowing from March to June. For annual crop, sow PowWow® in January, which results in flowering end of June. We recommend a biennial cycle with a sowing in July-August of the previous year.


Germination:
 In 4 to 5 days, at 21-24°C. E. simulata: 8-14 days at 20°C.
Growth temperature:
 Between 14 and 16°C.
Voltz advice:
 Melliferous, attracts bees. A biennial culture-cycle for PowWow® will allow to obtain an earlier flowering with better branched plants.



POWWOW®




- Very floriferous from the first year
- Excellent homogeneity between colours (habit and flowering)
- Excellent presentation and performance on sales location
- Drought resistant



		Height	Habit	Pot size	Mini.	Colour	Code
1 ▶ 2	ARTISAN®	The first F1 Echinacea single color collection from seed. Uniform plant habit and exceptional flower quality, long flowering period.	30-60 cm	upright	11-13 cm	100 GN	1. Red Ombre M76.661 2. Soft Orange M76.662
3 ▶ 4	POWWOW®	More flowers per plant than standard types; in both first and second year. Well-matched habit and flowering of the different colours. Easy to grow; ideal for large pots and containers. Great looking plants at retail. Tolerates drought and heat. Flowering time: July to September.	40-60 cm	upright	13-17 cm	100 GN	3. White M76.652 4. Wild Berry M76.650
5	POLLYNATION®	Very early first year flowering, well branching Echinacea with large flowers in striking colours.	60-65 cm	upright	11-13 cm	100 GP	5. Mix M76.790GP
6	CHEYENNE SPIRIT	Vivid colour mix of a first year flowering Echinacea. Remarkably good plant habit and flower quality for a first year perennial.	60-80 cm	upright	13-17 cm	50 GN	M76.660
7	DOUBLEDECKER	Very unique double, two-tiered flowers with long, reflexed petals.	80-110 cm	upright	11-13 cm	100 GP	M76.710GP
8	GREEN TWISTER	Horizontally growing, green petals with distinct carmine-red ring, floriferous.	90-100 cm	upright	9-12 cm	250 GN	M76.7151
9	PURPUREA 	Originate purple coneflower; produced also for medical use.	90-100 cm	upright	9-12 cm	5 g	M76.700B

Echinacea 24



	Height	Habit	Pot size	Mini.	Code
1 CARMINE ROSE 	100 cm	upright	9 cm square 11-13 cm	5 g	M76.700
2 MAGNUS 	100 cm	upright	9 cm square 11-13 cm	1 g	M76.760
3 WHITE SWAN 	100 cm	upright	9 cm square 11-13 cm	250 GN	M76.7801
4 SIMULATA	60-80 cm	upright	9 cm square 11-13 cm	250 GP	M76.890GP

Echinops

24    

- Asteraceae
- Echinops bannaticus
- Echinops ritro
- Perennial for cut flower
- Seed count/gram: 80
- Sowing: From February to June.
- Germination: At 18-20°C.
- Growth temperature: Between 16 and 18°C.
- Voltz advice: Prefers soft soils, warm and full sun location.



	Height	Habit	Pot size	Mini.	Colour	Code
1 bannaticus BLUE GLOBE	100 cm	upright	9 cm square 11-13 cm	5 g	1. Blue Globe	M76.900
2 RITRO	120 cm	upright	9 cm square 11-13 cm	5 g	2. Violet Blue	M77.000

Erigeron 24

- Asteraceae
- Erigeron aurantiacus
- Perennial bedding plant
- Sowing: From March to June. Sow several seeds per cell.
- Germination: At 18°C.
- Growth temperature: Between 14 and 16°C.
- Voltz advice: Prefers well-drained soils. Keep moderate dry.



ORANGE

Flowers comparable with the blooms of an aster, for borders. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
40 cm	upright	9-10 cm	250 GN	M79.8001

Erigeron

- Asteraceae
- Erigeron karvinskianus
- Perennial cultivated as an annual bedding plant and hanging basket
- Sowing: Sowing in cells, from January to March.
- Germination: At 16-18°C.
- Growth temperature: 3 to 4 months cultivation at 15°C.
- Voltz advice: Particularity: on the same plant, flowers of different colours appear: white, light and deep pink.



PROFUSION

White-rose. Small chrysanthemum-type single flower. Green foliage.

Height	Habit	Pot size	Mini.	Code
25 cm	cushion	9-11 cm	500 GN 500 GE	E31.5001 E31.500E

Erodium 24

- Geraniaceae
- Erodium manescavi
- Perennial
- Seed count/gram: 65

- Sowing:** From February to March. 2 seeds/cell.
- Germination:** At 20°C in 4-6 weeks.
- Growth temperature:** 18°C day / 14°C night.



MANESCAVI

First year flowering perennial; prefers sunny places.

Height	Habit	Pot size	Mini.	Code
40-45 cm	mounded	9 cm square 11-13 cm	100 GP	M90.800GP

Eryngium

24    

- Apiaceae
- Eryngium alpinum
- Eryngium planum
- Perennial bedding plant and dry flower

- Sowing:** E. alpinum: from August to November. Needs a period of 15°C for its vernalization.

E. Glitter: January-February, for a summer flowering in the same year or from July to August for a flowering the next spring.

- Germination:** E. alpinum: 4°C during 6 weeks, then 20°C. E. Glitter: 20°C
- Growth temperature:** Between 16 and 18°C.



1 *alpinum*
BLUE STAR  Vigorous and floriferous plant. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
80 cm	upright	9 cm	250 GN	M82.7001

2 **3**
planum **GLITTER** Silvery-blue foliage. Long-lasting in vase. First year flowering. Flowering time: July to October.

2. Blue	M83.110
3. White	M83.112

Eschscholzia

- Ranunculaceae
- Eschscholzia californica

- Annual bedding plant
- Seed count/gram: 800

- Sowing:** Direct sowing in pots or in place, in April-May.

- Germination:** At 16-18°C.



1 **ROSE CHIFFON** Large, semi-double flowers: sublimely shaded in Rose and Pink. Silver-blue foliage.

Height	Habit	Mini.	Colour	Code
20-25 cm	semi-upright	1.000 GN		E31.891

2 **3** **CALIFORNICA** Californian Poppy flowering all season long; overwinters in mild climates.

40 cm	upright / semi-creeping	5 g	2. Orange	E31.895B
			3. Mix	E31.900

Erysimum

Brassicaceae

- Erysimum x allionii
- Erysimum hieracifolium
- Erysimum linifolium

Biennial bedding plant

Seed count/gram:
500

Sowing:
From June to September.

Germination:

At 18-20°C, in 10 to 14 days.

Growth temperature:
Between 12 and 15°C.

Voltz advice:

E. Citrona is flowering in autumn the same year, 12 to 13 weeks after sowing.



1 ► 2 *allionii* **QUEEN**

Very floriferous biennial.
Flowering time: April to June.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
30 cm	upright	9-11 cm	5 g	1. Orange	M83.300	2. Yellow	M83.600

3 **LINIFOLIUM** (*Little Kiss Lilac*)

Divergent habit with small flowers.
Flowering time: March to June.

30 cm	upright	9-11 cm	1000 GN	3. Lilac	M83.5201		
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4 ► 5
hieracifolium **CITRONA®**

Flowers in autumn. Very floriferous.
Well-branched. Bright colours.
Flowering time: March to June.

25-30 cm	upright	10-12 cm	100 GN	4. Orange	M83.660	5. Yellow	M83.661
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Eucalyptus

Myrtaceae

- Eucalyptus gunii
- Annual for cut-flower use

Seed count/gram:
2 000

Sowing:
From January to March, or year-round production.

Germination:

At 22°C, in 14 to 20 days.
Germinates with light. Do not cover the seeds.

Growth temperature:
Between 16 and 18°C.



SILVER DROP

Round grey-green leaves.
Also suitable with 3 plants in 13 cm pot.

Height	Habit	Pot size	Mini.	Code
120 cm	upright	9-11 cm	0,25 g	M83.800

Exacum

Gentianeaceae

- Exacum affine
- Annual pot plant

Sowing:
From December to May.

Germination:
At 20°C, in 14 to 20 days.

Growth temperature:
14-16°C.

Voltz advice:
Growing period: 5 months.



1 ► 3 **ROYAL DANE**

Uniform growth and flowering.
Well-branched habit.

Height	Habit	Pot size	Mini.	Colour	Code
20 cm	mounded	8-11 cm	250 GE	1. Deep Blue	R23.986E
				2. Deep Rose	R23.988E
				3. White	R23.990E

Euphorbia

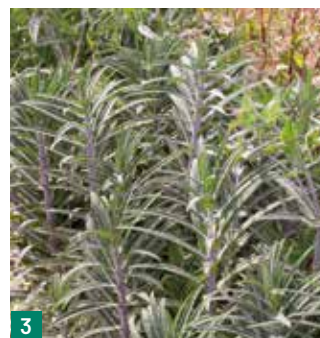
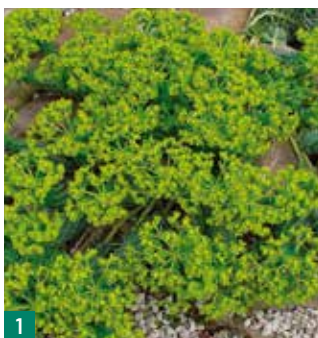
- Euphorbiaceae
- *Euphorbia marginata*
- *Euphorbia graminea*
- Annual bedding plant and cut flower
- Sowing: Outdoor sowing from April to May or under shelter in February to July.
- Germination: At 18-20°C, in 10-15 days.
- Growth temperature: Between 15 and 18°C.
- Voltz advice: Immerse the stems in hot water immediately after harvest for stopping the flow of latex.



	Height	Habit	Pot size	Mini.	Code
1 <i>graminea</i> GLITZ F1 🌱	25-35 cm	mounded	10-13 cm	100 GN	E31.930
2 <i>graminea</i> GLAMOUR F1 IMP. 🌱	35-60 cm	mounded	10-13 cm	100 GN	E31.932
3 <i>marginata</i> SNOW TOP 🌱 🌿 🌿 🌿	60 cm	upright	9-10 cm	500 GN	D28.405

Euphorbia

- Euphorbiaceae
- *E. myrsinites*
- *E. polychroma*
- *E. wulfenii*
- *E. lathyris*
- Perennial for beddings
- Seed count/gram: 90 *E. myrsinites*; 250 *E. polychroma*; 20 *E. lathyris*.
- Sowing: From January to May.
- Germination: At 16-18°C after a cold period of 5°C.
- Growth temperature: Between 14 and 16°C.



	Height	Habit	Pot size	Mini.	Code
1 MYRSINITES 🌱	20 cm	mounded	9 cm	1 g	M84.760
2 POLYCHROMA 🌱	40 cm	mounded	9 cm	1 g	M84.800
3 LATHYRIS	90 cm	upright	9 cm square pot	5 g	M84.750
4 <i>characias</i> WULFENII 🌱	120 cm	upright	9 cm square pot	100 GP	M84.705GP

Freesia

- Iridaceae
- *Freesia refracta*
- Biennial for cutflower use
- Seed count/gram: 60
- Sowing: From March to April.
- Germination: At 20-25°C.
- Growth temperature: Between 14 and 16 °C.
- Voltz advice: Cultivation period nearly 8 months from sowing to flowering. Culture under shelter. Excellent behaviour in vase.



IMPERIAL TETRA Mix

Mix of colours. Good flower quality for small bouquets.

Height	Habit	Pot size	Mini.	Code
50 cm	upright	11-13 cm	1 g	D31.890

Foeniculum



- Asteraceae
- Foeniculum vulgare
- Ornamental herb for beddings
- Perennial cultivated as an annual
- Seed count/gram: 350
- Sowing: From January to March. Outdoor sowing: May.
- Germination: At 15-20°C, in 10-14 days.



- 1 BRONZE** Yellow flowers. Purple foliage. Ornamental herb, not forming bulbs. Use as solitaire or in bedding background.
- 2 DULCE** Yellow flowers. Green foliage. Ornamental herb not forming bulbs. Use as solitaire or in bedding background.

Height	Habit	Pot size	Mini.	Code
100 cm	upright	10-13 cm	1 g	T39.020
100 cm	upright	10-13 cm	1 g	T39.010

Gaillardia



- Asteraceae
- Gaillardia aristata
- Gaillardia grandiflora
- Perennial bedding plant and cut flower
- Seed count/gram: 350
- Sowing: From January to February for annual production. From June to September for biennial production.
- Germination: At 16-20°C.
- Growth temperature: Between 14 and 16°C.



- 1** ▶ **3**
grandiflora **ARIZONA**

Uniform and early. Gives masses of ø 10 cm flowers. Long flowering period. Early flowering from the first year. Heat-resistant. To cultivate as an annual, in ø 11 to 19 cm pots. Flowering time: May to July.

Height	Habit	Pot size	Mini.	Colour	Code
30-35 cm	upright	11-16 cm	250 GN	1. Apricot	M86.622GFC
				2. Red Shades	M86.625GFC
				3. Sun	M86.620GFC

- 4** *grandiflora* **MESA™ F1**

Perennial cultivated as an annual, flowering from the first year. Very floriferous, well branched. Early flowering. Very contrastful colour. Very uniform series. Flowering time: May to October.

35-40 cm	upright	11-16 cm	100 GN	4. Yellow	M86.630
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- 5** *aristata* **KOBOLD**

ø 5 cm flowers. Greyish-green lanceolated foliage. Drought resistant. To cultivate in ø 11 to 16 cm pots. Flowering time: June to July.

35 cm	upright	11-16 cm	5 g	5. Red & Yellow	M86.600KA
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- 6** *aristata* **AUREA**

Large, clear yellow flowers. Flowering time: May to June.

60 cm	upright	12-19 cm	5 g	6. Golden Yellow	M86.200KA
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- 7** *aristata* **BURGUNDER**

Large flowers. Bright red petals, red stamen, small yellow centre. Flowers May-June.

60 cm	upright	12-19 cm	5 g	7. Wine Red	M86.400KA
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- 8** *aristata* **TORCH**

Large flower diameter. Yellow petals with red inner ring. Flowers May to June.

60 cm	upright	12-19 cm	5 g	8. Red & Yellow	M86.250KA
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Gaillardia

- Asteraceae
- Gaillardia pulchella
- Annual bedding and pot plant
- Seed count/gram: 500
- Sowing: From March to May.
- Germination: At 15-16°C.
- Growth temperature: Between 14 and 16°C.

1 ► 2 PLUME

Double flowers. Compact and floriferous.

Height	Habit	Pot size	Mini.	Colour	Code
25 cm	upright	12-15 cm	1 g	1. Red	E32.100
				2. Yellow	E32.106



Gaura

- Onagraceae
- Gaura lindheimeri
- Perennial for beddings
- Seed count/gram: 60
- Sowing: In January for sales May/June; or July to September for sales the following year.
- Germination: At 20°C.
- Growth temperature: 15°C.
- Voltz advice: Can be cultivated as an annual.



1 SPARKLE *White*

Excellent branching, very uniform, very early in full bloom. First year flowering.

2 LINDHEIMERI

White-rose. Used as an annual, very attractive in beddings centres. Flowering time: July to October.

Height	Habit	Pot size	Mini.	Code
60-70 cm	upright	11 cm	100 GN	M87.905
80 cm	upright	13 cm	1 g	M87.800

Geranium

- Geraniaceae
- Geranium sanguineum
- Geranium pratense
- Perennial bedding plant
- Sowing: From March to June for sales in autumn. From June to August for sales in pots flowering next spring. Use 2 to 3 seeds per pot. We offer primed seeds for faster and more uniform germination.
- Germination: In 14 days at 18-20°C.
- Growth temperature: 12 to 15°C in greenhouse. 3 to 5°C under shelter, frost free.
- Voltz advice: Vernalization is highly recommended to ensure flower initiation.



1 ► 2 sanguineum VISION®

Compact plant with large flowers. Pot 1 plant in a 11-13 cm pot, or 3 plants in a 15-19 cm pot. w Flowering time: May to September.

Height	Habit	Pot size	Mini.	Code
30-40 cm	cushion	11-13 cm	100 GP	1. Hellrosa M90.601GP 2. Violet M90.600GP
25-30 cm	cushion	11-13 cm	100 GP	M90.505GP
50 cm	cushion	11-13 cm	100 GP	M90.500GP
50 cm	cushion	11-13 cm	100 GP	M90.604GP

3 pratense DARK REITER

Red plumlike coloured foliage; compact habit.

4 pratense BLUE

Continuously flowering; large flowers.

5 pratense STRIATUM

White flowers with blue spots and stripes.

Gazania

■ Asteraceae

■ *Gazania rigens*

■ Annual bedding and pot plant

■ **Sowing:**

From January to February for flowering in May. Cover slightly the seeds.

■ **Germination:**

At 18-20°C, in 7-14 days.

■ **Growth temperature:**

Between 18 and 20°C by day.
Between 16-18°C at night.

■ **Voltz advice:**

3 to 5 months cultivation period.
Crop time can be influenced by light levels.



1 ► 10
NEW DAY® F1
patented

Larger flowers and shorter peduncles than previous varieties. Bred to make a more compact and bulkier plant with bigger flowers, New Day is also easier to produce for growers and offers better retail holdability. Excellent performance in landscapes, containers and baskets. For packs and pots. 'New Day' is not suitable for overwinter production in low light level areas like North Europe. Grown in areas with low light levels or during period of low light intensities, the crop time can be longer.

Height	Habit	Pot size	Mini.	Colour	Code
20 cm	upright	pack, 10-12 cm	250 GFC	1. Bronze Shades	E32.660GFC
				2. Clear Orange	E32.662GFC
				3. Pink Shades	E32.663GFC
				4. Red Shades	E32.661GFC
				5. Red Stripe	E32.666GFC
				6. Rose Stripe	E32.664GFC
				7. White	E32.665GFC
				8. Yellow Imp.	E32.667GFC
				9. Tiger Mix	E32.672GFC
				10. Total Mixed	E32.670GFC



1 ▶ 4
FROSTY KISS F1

Silvery foliage. Large flower. Naturally compact. No need of growth regulator. Good tolerance to warm and dry conditions. Flowers are opening even in low light conditions.

5 ▶ 9
BIG KISS F1

Huge blooms held high above the foliage; love the heat. Full bushy plants fill containers quickly.

10 ▶ 16
ENORMA

Very large flower size, improved plant habit, dark green foliage, strong, sturdy stems.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
20-25 cm	upright	10-12 cm	250 GN	1. Flame Mix	E32.345	2. Total Mix	E32.352
				3. Orange Flame	E32.341	4. Red	E32.343
				5. Flame Mix	E32.512	6. Total Mix	E32.510
20-30 cm	upright	11-14 cm	100 GN	7. Orange Flame	E32.503	8. White Flame	E32.500
				9. Yellow Flame	E32.502		
				10. Total Mix	E32.320	11. Clear Orange	E32.322
250 GN	upright	10,5-13 cm		12. Clear Vanilla	E32.324	13. Clear Yellow	E32.326
				14. Orange with Ring	E32.332	15. Red with Ring	E32.328
				16. Yellow with Ring	E32.330		
250 GFC	upright	10,5-13 cm		10. Total Mix	E32.320GFC	11. Clear Orange	E32.322GFC
				12. Clear Vanilla	E32.324GFC	13. Clear Yellow	E32.326GFC
				14. Orange with Ring	E32.332GFC	15. Red with Ring	E32.328GFC
				16. Yellow with Ring	E32.330GFC		

Gerbera

- **Asteraceae**
- **Gerbera jamesonii**
- **Annual pot plant**
- **Sowing:**
From January to May.
- **Germination:**
At 20-22°C, in 14-20 days.

Light germinator! Do not cover seeds.

- **Growth temperature:**
Between 18 and 20°C.
- **Voltz advice:**
4 to 5-months growing period. Germinates with light.

FESTIVAL F1 *Total Mix*

Early and uniform flowering window. The mix contains colours with green centre and with dark centre.

Height	Habit	Pot size	Mini.	Code
30 cm	upright	10,5-15 cm	100 GFC	R31.400GFC



Geum

- **Rosaceae**
- **Geum coccineum**
- **Geum hybridum**
- **Perennial bedding plant and cutflower**
- **Seed count/gram:**
400
- **Sowing:**
In groups, from February to June.
- **Germination:**
At 18-20°C.
- **Growth temperature:**
Between 15 and 18°C.



1



2



3

Height	Habit	Pot size	Mini.	Code
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1 *coccineum* KOI

Very bright, intense orange flowers on short stems flowering from May to July. Well shaped with small, shiny leaves 'Koi' is the most compact alternative.

20 cm	upright	9-11 cm	250 GP	M91.050GP
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2 *hybridum* LADY STRATHEDEN

Double flowers. For cut-flower use and bedding. Flowering time: May to July.

50 cm	upright	12-15 cm	1 g	M91.200
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3 *hybridum* MRS BRADSHAW Fireball

Double flowers. For cut-flower use and bedding. Bright red flowers. Flowering time: May to July.

50 cm	upright	12-15 cm	1 g	M91.100
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Godetia

- **Onagraceae**
- **Clarkia amoena**
- **Annual pot plant or cut flower use**
- **Sowing:**
From January to April. Outside, from February to March for flowering at July to August.

- **Germination:**
At 18°C, in 10 days. Dark germinator.
- **Growth temperature:**
10-15°C.



GRACE F1 *Mix*

Cutflower with large, unusual blooms. Year round production possible; good vase life.

Height	Habit	Mini.	Code
75 cm	upright	250 GN	D32.240

Gossypium

- **Malvaceae**
- **Gossypium herbaceum**
- **Annual pot plant**
- **Seed count/gram:**
9-10
- **Sowing:**
From February to May.
- **Germination:**
At 22-25°C.



HERBACEUM

Fast growing, slightly branching Cotton-Plant belonging to the same family than Hibiscus. This thermophilic genus is used as pot plant, and in warmer regions also as cutflower. Trilobate foliage.

Height	Habit	Pot size	Mini.	Code
60-80 cm	upright	10-12 cm	5 g	E24.500

Gomphrena

- **Onagraceae**
- **Gomphrena globosa**
- **Gomphrena haageana**
- **Annual bedding and pot plant and dry flower**
- **Sowing:**
From March to May.
- **Germination:**
At 18-20°C, in 14-21 days.
- **Growth temperature:**
Between 15 and 17°C (not below 10°C).
- **Voltz advice:**
2 to 3 months cultivation period. Avoid excessive humidity. Grow at good ventilated and not too hot conditions. Plant distance: 20-25 plants/m².



DWARF VARIETY		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	3 globosa BUDDY	15 cm	mounded	9-11 cm	500 GN	1. Purple 3. White	R38.0001KA R38.2001KA	2. Rose	R38.0401KA



MEDIUM TO HIGH VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	4 globosa LAS VEGAS	45 cm	upright	10-13 cm	250 GN	1. Mix 3. Purple	D33.208 D33.202	2. Pink 4. White	D33.200 D33.204
5	globosa FIREWORKS	120 cm	upright	13-16 cm	100 GFC		D33.250GFC		
6	8 haageana OIS	60 cm	upright	10-13 cm	250 GN	6. Carmine 8. Red	D33.3101 D33.3201	7. Orange	D33.3001



Grasses

Agrostis

- Poaceae
- *Agrostis nebulosa*
- Annual grass
- Seed count/gram: 10 000
- Sowing: Sowing in nursery or in place, in September.
- Germination: At 10-12 °C.



NEBULOSA

Bronze foliage. Well-branched. Very fine spikes adding ornamental value.

Height	Habit	Pot size	Mini.	Code
30 cm	upright	10-12 cm	5 g	G80.000

Briza

- Poaceae
- *Briza maxima*
- Annual grass
- Seed count/gram: 400
- Sowing: Sowing in greenhouse or in place, in March-April or in September.
- Germination: At 10-12 °C.



AMOURETTE

Pinecone-shaped hanging inflorescences. Clean seeds.

Height	Habit	Pot size	Mini.	Code
40 cm	upright	10-12 cm	5 g	G80.600

Carex

■ Cyperaceae

- *Carex buchananii*
- *Carex comans*
- *Carex flagellifera*
- *Carex species*
- *Carex testacea*

■ Perennial grass

- Seed count/gram: *C. buchananii* and *C. comans*: 1 400; *C. flagellifera*: 1 500; *C. testacea*: 1 000

■ Sowing:

From January to April.

■ Germination:

At 18-20 °C.

■ Kulturdauer:

Croptime young plant: 6-7 weeks. Croptime potting to sales: 8-9 weeks. Choice of varieties for summer-, autumn- and winter sales.



	Height	Habit	Pot size	Mini.	Code
1 <i>buchananii</i> RED ROOSTER	60 cm	upright	12-16 cm	0,5 g	G82.9931
2 <i>comans</i> AMAZON MIST	25 cm	semi-trailing	11-13 cm	0,5 g	G82.9941
3 <i>comans</i> BRONCO	35-40 cm	mounded	11-13 cm	0,5 g	G82.9971
4 <i>flagellifera</i> BRONZITA	30-40 cm	semi-trailing	11-13 cm	0,5 g	G82.986
5 <i>species</i> FROSTED CURLS	25-35 cm	upright	12-19 cm	250 GN	G83.070
6 <i>testacea</i> PRAIRIE FIRE	40 cm	mounded	11-13 cm	0,5 g	G82.978

Calamagrostis 4 🌱

- Poaceae
- Calamagrostis brachytricha
- Perennial grass
- Sowing: From November to March. Sow 3 to 4 seeds per cell.
- Voltz advice: 16 to 22 weeks cultivation.

BRACHYTRICHA

Very fine foliage. Silvery-white flower spikes with pink reflect, accented by cold nights.

Height	Habit	Pot size	Mini.	Code
100-120 cm	upright	11-16 cm	250 GN	G82.5001



Corynephorus 4 🌱 🌿 🌱

- Poaceae
- Corynephorus canescens
- Perennial grass
- Sowing: From January to April, 6 seeds per plug.
- Germination: At 18-20°C.
- Voltz advice: Prefers dry and sandy soil, deficient in lime. Plant with good drought tolerance.



SPIKY BLUE

Ball-shaped ornamental plant. Spiky and bristly foliage, matures to reddishgreen.

Height	Habit	Pot size	Mini.	Code
15 cm	mounded	9-12 cm	500 GN	G84.1101

Deschampsia 4 🌱

- Poaceae
- Deschampsia cespitosa
- Perennial grass
- Sowing: From February to April.
- Germination: At 18-20°C.



CESPITOSA

Silvery-grey. Elegant plant with small flowerheads. Flowering time: July to September.

Height	Habit	Pot size	Mini.	Code
100-150 cm	upright	9-13 cm	500 GN	G84.300KA

Eragrostis 1 🌱 🌿 🌱

- Poaceae
- Eragrostis elegans
- Eragrostis spectabilis
- Annual grass
- Seed count/gram: 2 300
- Sowing: From March to April, and in September.
- Germination: At 15-18°C.



Height	Habit	Pot size	Mini.	Code
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1 SPECTABILIS

The Purple Love grass offers very attractive purple-red flower racemes on dense compact clumps. Late flowering; needs a warm summer to come into flower. Very drought resistant.

50 cm	upright	10-12 cm	500 GN	G84.5101
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2 ELEGANS

Beautiful grass with small, delicate inflorescences.

50 cm	upright	9-11 cm	5 g	G84.800
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Festuca

- Poaceae
- Festuca amethystina
- Festuca glauca
- Perennial grass
- Sowing: From April to June.
- Seed count/gram: 90
- Germination: At 16-18°C, in 8 to 10 days.



	Height	Habit	Pot size	Mini.	Code
1 AMETHYSTINA Deep green foliage. Airy habit. Curved inflorescence. For beddings or associations.	20 cm	upright	9-10 cm	500 GN	G84.9901
2 glauca FESTINA Bluish foliage. To use in association with other plants. Very cold-hardy variety.	25 cm	mounded	9 cm	1 g	G85.0101
3 valesiaca var. glaucantha BUDDY BLUE Uniform selection of silver-blue Festuca. Ideal for sales period autumn-winter.	30 cm	mounded	9-10 cm	500 GN	G85.011

Gynerium

(Cortaderia) 

- Poaceae
- Cortaderia selloana
- Perennial grass
- Sowing: From February to April with 4-5 seeds per plug.
- Germination: At 18-20°C.

1 ► 2 PLUME

White or pink plumes along the stems. To cultivate alone.

Height	Habit	Pot size	Mini.	Code
200 cm	upright	11-15 cm	500 GN	1. Rose G84.1001KA
				2. White G84.0001KA



Hordeum

- Poaceae
- Hordeum jubatum
- Annual grass
- Seed count/gram: 500
- Sowing: Sowing in greenhouse in pots or outdoor March-April or in September-October.
- Germination: At 10-12°C.

JUBATUM

Green spikes with long rose beards.

Height	Habit	Pot size	Mini.	Code
60 cm	upright	9-11 cm	5 g	G86.700



Isolepis

- **Cyperaceae**
- **Isolepis cerna (Scirpus cernuus)**
- **Annual grass**
- **Sowing:**
In January to March.

- **Germination:**
In 6 to 8 days, at 22-24°C. Do not cover seeds, keep moisture.
- **Growth temperature:**
Between 18 and 20°C.
- **Voltz advice:**
8-12 weeks cultivation depending on pot size.

LIVE WIRE

Unique looking grass with flowers which resemble fiber optic strands. Compact, mounded habit. Grows upright when young and drapes as it matures. Performs well in wet conditions.

Height	Habit	Pot size	Mini.	Code
15-20 cm	mounded	9-12 cm	100 GE	E39.340E



Juncus

- **Juncaceae**
- **Juncus**
- **Perennial grass**
- **Sowing:**
From February to April.

- **Germination:**
10-14 days at 18-25°C. Do not cover seeds. Irrigate well so that the whole pellet to be dissolved.
- **Growth temperature:**
19-23°C at day, 15-18°C at night.

- **Voltz advice:**
Medium soil with 3 kg/m³ long term fertilizer recommended. pH 6-7.



1 SPIRALIS TWISTER Small, curly dark green leaves offer interesting and funny foliage texture. Economical and easy to grow.

2 FUSEABLES® TWISTED ARROWS MIX Juncus inflexus Blue Arrows + Juncus effusus Spiralis Twister. Contrast between blue and green foliage. Perfect for combined plantings. Multipelleted seeds.

3 JAVELIN Very high and stately green grass. Performs in a wide range of environmental conditions. Stiff foliage.

Height	Habit	Pot size	Mini.	Code
25-30 cm	upright	11-15 cm	100 GE	M86.816E
90 cm	upright	11-15 cm	100 GE	M86.820E
120-150 cm	upright	9-12 cm	100 GE	M86.815E

Koeleria

- **Poaceae**
- **Koeleria glauca**
- **Perennial grass**
- **Sowing:**
From January to April. Do not cover the seeds.
- **Germination:**
At 18-20°C.



COOLIO
Upright, blue-green grass, is ideal for dry locations as ground-cover.

Height	Habit	Pot size	Mini.	Code
25 cm	mounded	9-11 cm	1000 GN	G86.9001

Lagurus

- **Poaceae**
- **Lagurus ovatus**
- **Annual grass for dry flower**
- **Seed count/gram:**
1500
- **Sowing:**
From March to May.
- **Germination:**
At 18-20°C.



OVATUS
Cream. Flower to dry.

Height	Habit	Pot size	Mini.	Code
40 cm	upright	9-12 cm	1 g	G87.300

Luzula 2

- **Poaceae**
- **Luzula nivea**
- **Luzula sylvatica**
- **Perennial grass and cut green**
- **Sowing:** 3 to 5 seeds per cell. From July to September for sales in March-April, or at the end of March for sales in July-October.
- **Germination:** At 18-20°C.



1



2

1 *sylvatica* **STARMAKER** The large, mounded annual grass has broad, glossy green leaves and produces brown flowers in early spring.

2 *nivea* **LUCIUS** Evergreen grass with mid-green, hairy foliage.

Height	Habit	Pot size	Mini.	Code
40-60 cm	upright	11-16 cm	250 GN	G87.810
60 cm	upright	11-16 cm	250 GN	G87.8001

Melinis

- **Poaceae**
- **Melinis nervigulumis**
- **Annual grass**
- **Sowing:** From December to March for sales in May for green plants. From March to May for sales in flowered plants starting from April.
- **Germination:** At 21-24°C in 7 to 14 days. Cover slightly the seeds.
- **Growth temperature:** 20 to 22 weeks cultivation, at 14-16°C.



SAVANNAH (*Rhynchelytrum*)

Beautiful, amethyst-pink flowers that open up fluffy plumes.

Pot size	Habit	Mini.	Code
11-13 cm	upright	250 GN	G87.900

Millium

- **Poaceae**
- **Millium effusum aureum**
- **Annual grass**
- **Sowing:** From March to June.
- **Germination:** At 20°C, in 7 to 14 days.
- **Growth temperature:** From 14 to 16°C, lower later to 8-12°C for hardening.



FLASHLIGHTS

Elegant, arching grass with bright golden yellow leaves for semishade; flowers from June to August.

Height	Habit	Pot size	Mini.	Code
25 cm	upright	11-13 cm	500 GN	G87.952

Miscanthus 2

- **Poaceae**
- **Miscanthus sinensis**
- **Perennial grass**
- **Sowing:** From January to April, or from August to September.
- **Germination:** At 16-20°C.

SINENSIS

Long green straight leaves. Silvery brown, featherlike flowers.

Height	Habit	Pot size	Mini.	Code
2 m to 2,50 m	upright	12-16 cm	500 GN	G88.0001



Pennisetum 21

- Poaceae
- *Pennisetum alopecuroides*
- *Pennisetum glaucum*
- *Pennisetum macrourum*
- *Pennisetum setaceum*

- *Pennisetum thunbergii*
- *Pennisetum villosum*
- Perennial or annual grass

■ **Seed count/gram:**
700

■ **Sowing:**
From February to April.


■ **Germination:**
At 20-25°C, in 3-5 days.
Cover the seeds with vermiculite.

■ **Growth temperature:**
18-22°C at day; 18-19°C at night.

■ **Voltz advice:**
Cultivation time 14-18 weeks depending on pot size.
P. thunbergii: if no germination after 4 weeks, cool down under 10°C for 2-4 weeks.



ANNUAL VARIETIES

			Height	Pot size	Mini.	Code
1	<i>glaucum</i> PURPLE BARON F1 	Foliage more purple than Jester. Young plants are green, mature in full sun to purple colour. Large thick flower spikes.	60 cm	12-15 cm	50 GN	688.760
2	<i>glaucum</i> JESTER F1	Attractive foliage. Good heat tolerance. Flowers 7-10 days later than Purple Baron.	60-70 cm	12-15 cm	50 GN	688.910
3	<i>glaucum</i> JADE PRINCESS F1	Upright ball-shaped habit. Bright lemon-green foliage. Floral spikes without pollen. Needs high temperatures for an optimal growth.	60-70 cm	12-15 cm	50 GN	688.740
4	<i>glaucum</i> PURPLE MAJESTY	Very ornamental purple foliage. Clean seeds. Young plants are green. Turns purple in full sun after about 8 leaves have developed. 3 plants in 3-5 l pot recommended.	100 cm	3-5 l pot	50 GN	688.750



1



2

ANNUAL VARIETIES

	Height	Pot size	Mini.	Code
1 MACROURUM 🌱 🌿 Tender perennial African feather grass. Blooms June-August with green to yellow-green, sometimes tinged with purple, flower spikes.	40-70 cm	13-16 cm	0.5 g	G88.650
2 VILLOSUM Woolly white inflorescences. Clean seeds.	60-80 cm	13-16 cm	250 GN	G88.807



1



2



3

PERENNIAL VARIETIES

	Height	Pot size	Mini.	Code
1 <i>alopecuroides</i> VIRIDIS 🌱 🌿 Intense salmonrose coloured florescences in a cyclincric shape, flowering August/September. Foliage broader than the native species.	50-60 cm	13-16 cm	250 GN	G88.6451
2 <i>alopecuroides</i> COMPRESSUM 🌱 🌿 Flowering in August-September. Green foliage.	80 cm	13-16 cm	250 GN	G88.6401
3 THUNBERGII 🌱 🌿 Bright reddish spikes tipped white, later straw-coloured; dense clusters.	80-90 cm	10,5-13 cm	250 GN	G88.7101

Oryza

- Poaceae
- *Oryza sativa* purpurea
- Annual grass
- **Sowing:** From March to May.
- **Germination:** Between 20-24°C in 15-20 days.
- **Growth temperature:** 15-20°C. Keep soil humid. Irrigate very often, especially in summer.



BLACK MADRAS

Ornamental grass with green purple leaves. Attractive aspect more than 4 months. Easy cultivation.

Height	Habit	Pot size	Mini.	Code
40 cm	upright	11-16 cm	500 GN	G92.2001

Panicum

- Poaceae
- *Panicum virgatum*
- Annual or perennial grass
- **Sowing:** From February to April.
- **Germination:** At 12-15°C.



FOUNTAIN

Perennial cultivated as an annual for cut flower use. Upright spikes.

Height	Habit	Pot size	Mini.	Code
100 cm	upright	11-15 cm	500 GN	G84.8101KA

Phalaris

- Poaceae
- *Phalaris canariensis*
- Annual grass to dry
- **Seed count/gram:** 150
- **Sowing:** February to May.
- **Germination:** At 12-18°C.



CANARIENSIS

Green. Pinecone-shaped short stems with white-green stripes. Flowers heads on upright stems, ca-80 cm.

Height	Habit	Pot size	Mini.	Code
60-80 cm	upright	9-13 cm	10 g	G91.300

Sorghum

- Poaceae
- *Sorghum nigricans*
- Annual grass
- **Seed count/gram:** 50
- **Sowing:** From March to May.
- **Germination:** At 18-22°C.



NIGRUM

Vigorous growth. Big black spikes of 25 to 40 cm.

Height	Habit	Pot size	Mini.	Code
100 cm	upright	11-13 cm	10 g	G93.300

Setaria

- Poaceae
- *Setaria italica*
- *Setaria macrochaeta*
- Annual grass
- **Seed count/gram:** S. italica: 360; S. macrochaeta: 500
- **Sowing:** From March to May.
- **Germination:** At 15-20°C.
- **Voltz advice:** Crop time: 12-16 weeks.



- 1 MACROCHAETA**
- 2 italica RED JEWEL**

Fast growth.

Burgundy-brownish foliage and red shimmering inflorescences, 20-25 cm long.

Height	Habit	Pot size	Mini.	Code
30-35 cm	upright	9 cm; 11-15 cm	5 g	G92.500
60-80 cm	upright	9 cm; 11-15 cm	5 g	G92.512

■ Poaceae

- *Stipa barbata*
- *Stipa capillata*
- *Stipa pennata*
- *Stipa tenuissima*
- *Stipa undinacea*

■ Perennial grass

■ **Sowing:**
In March-June or in September-November.

■ **Germination:**
12-15°C. *S. tenuissima*: 18- 20°C. Do not cover the seeds.

■ **Voltz advice:**

Cultivation time 10-12 weeks, depending on pot size and season.



1 *arundinacea* **SIROCCO** (*Anémantèle*)

Colourful American Feather-grass for full sun location. The colour turns to shades of copper and pink under cool conditions, natural sunlight and maturity.

2 *tenuissima* **PONY TAILS** (*Nasella*)

Green with yellowish ends. Clean seeds. Silky green flowers.

3 **PENNATA**

Long silvery beards. For peaty garden soils.

4 *barbata* **SILVER FEATHER**

Silvery flower heads.

5 **CAPILLATA**

Gorgeous flower heads with beards.

Height	Habit	Pot size	Mini.	Code
30-35cm	upright	11-13 cm	100 GE	G94.010E
40 cm	upright	10-13 cm	250 GN	G94.009
70 cm	upright	10-13 cm	50 GN	G94.0001
80 cm	upright	12-15 cm	50 GN	G93.8001
120 cm	upright	15-19 cm	250 GN	G93.9001

Gypsophila 24



- **Caryophyllaceae**
- **Gypsophila paniculata**
- **Gypsophila repens**
- **Perennial bedding and pot plant and cut flower**

- **Seed count/gram:** 1200
- **Sowing:** From April to July.

- **Germination:** At 18-20°C.
- **Growth temperature:** 16-18°C at day; 10-14°C at night. In winter it needs 8 weeks with a temperature below 4°C for optimum flower bud initiation.

- **Voltz advice:** In winter grow under light conditions as high as possible.




			Height	Habit	Pot size	Mini.	Code
1	repens WHITE ANGEL	First year flowering July to August. Uniform and homogeneous.	20 cm	mounded	11-13 cm	5 g	M94.910
2	repens ROSEA	Compact plant for borders. Flowering time: May to June.	25 cm	mounded	11-13 cm	500 GN	M95.0001
3	paniculata PANICULATA White 	Single flowers. Large plant for borders or use as cutflower. Flowering time: June to August.	100 cm	upright	-	5 g	M94.700
4	paniculata SNOWFLAKE Double 	About 60% of double flowers. Flowering time: June to August.	100 cm	upright	-	1 g	M94.800

Gypsophila

- **Caryophyllaceae**
- **Gypsophila elegans**
- **Gypsophila muralis**
- **Annual bedding plant and cut flower**
- **Seed count/gram:** 1000
- **Sowing:** From February to May; 4-5 seeds per pot.
- **Germination:** At 15°C in 14-20 days, or at 18-20°C in 5 days.
- **Growth temperature:** 8-15°C.



			Height	Habit	Pot size	Mini.	Colour	Code
1	2 muralis GYPSY	Easy to grow, short crop time; eye-catching at retail; stays in constant bloom. Compact, neat mounded habit. Airy, rich flowering plant.	15-20 cm	mounded	11-15 cm pot, baskets	250 GE	1. Deep Rose	E32.928E
							2. White	E32.940E
3	elegans SNOW FOUNTAIN 	Large flowers. Upright habit. Best commercial variety for cut flower use.	70 cm	upright	-	10 g		D34.500

Helenium

- **Asteraceae**
- **Helenium amarum**
- **Annual bedding plant**
- **Sowing:** In February-March.
- **Germination:** At 18-22°C. Cover seeds with vermiculite.
- **Growth temperature:** 12-15°C. 3-4 weeks for plug production; transplanting to sale 5-7 weeks.

DAKOTA GOLD

Bright golden yellow flowers and delicate foliage. Easy and fast to produce. Insensitive variety, tolerates full sun as well as cool and rainy weather periods.

Height	Habit	Pot size	Mini.	Code
30-35 cm	upright	9-13 cm	100 GE	M95.580E



Helenium

- **Asteraceae**
- **Helenium autumnale**
- **Perennial for bedding and cutflower production**
- **Sowing:** From February to June.
- **Germination:** At 16-20°C.
- **Growth temperature:** Between 12 and 16°C.
- **Voltz advice:** Fits ordinary, cool and humid soils. Watering is requested if weather is dry when plants begin to flower. For sturdy plants, cut clumps every 2-3 years back.



RED & GOLD HYBRIDS

Large daisy-like flowers in shades of yellow, orange to deep red appear in late summer through to autumn.

Height	Habit	Pot size	Mini.	Code
130-150 cm	upright	10-13 cm	100 GN	M95.6001

Helichrysum *microphyllum*



- **Asteraceae**
- **H. microphyllum (Plectostachys serpyllifolia)**
- **Annual bedding plant**

- **Sowing:** From January to March.
- **Germination:** At 22-24°C. Do not cover seeds.
- **Growth temperature:** 15-18°C.



SILVER MIST

Plant width: 45 to 60 cm. Variety from seeds with better basal branching than varieties from vegetative propagation. Pinching is not necessary. Ball-shaped covering habit, attractive silvery-grey foliage and stems.

Height	Habit	Pot size	Mini.	Code
15-20 cm	cushion	11-13 cm	100 GE	E33.400E

Helichrysum *bracteatum*

- **Asteraceae**
- **Helichrysum bracteatum**
- **Annual for fresh and dry cut-flower production**
- **Seed count/gram:** 1500
- **Sowing:** From March to May.
- **Germination:** At 18°C, in 10 to 20 days.
- **Growth temperature:** Between 15 and 20°C.
- **Voltz advice:** 2 months after sowing the plants are ready for sale. Transplant outside only after first frost. Avoid excessive watering. Plantation at 20 x 25 cm, 20 plants/m².



1 ► 8 ATTRACTION

The best Helichrysum extra double for dry flower.

Height	Habit	Mini.	Colour	Code	Colour	Code
80 cm	upright	5 g	1. Mix	D37.960	2. Golden Yellow	D37.640
			3. Orange	D37.680	4. Rose	D37.720
			5. Salmon	D37.760	6. Scarlet	D37.800
			7. Violet Rose	D37.840	8. White	D37.920

Helianthus (for pots)

■ Asteraceae

■ Helianthus annuus

■ Annual bedding and pot plant


■ Sowing:
From January to May.

■ Germination:
At 20-24°C, in 7 days.

■ Growth temperature:
18-22°C by day, 16-18°C at night.

■ Voltz advice:
9-11 weeks cultivation for summer.
12-15 weeks cultivation for spring or autumn.



		Height	Habit	Pot size	Mini.	Code
1	SUNTASTIC® F1	1-2 weeks earlier than Sunstation; pollenless. Genetically compact; the many side stems do flower as well. Requires much less PGR than competing varieties!	20-30 cm	upright	9-13 cm	250 GN E33.046
2	SUNRAY F1	Best branching pot variety producing many stems with strong holding, pollenless flower discs.	25-35 cm	upright	12-14 cm	250 GFC E33.056GFC
3	BERT® Imp. F1	Large flowers, broad petals, very good habit, with lush green foliage. Pollenless	35 cm	upright	11-13 cm	250 GN E33.080
4	DWARF EARLY	Dwarf sunflower yellow; also used for edible seeds and petals.	40-60 cm	upright	12-14 cm	5 g E33.090B
5	TIGER EYE F1	Flowers burning bright with golden yellow petals and deep red ring around the disc floret.	50-60 cm	upright	12-14 cm	250 GN E33.007
6	MRS MARS 	Low growing, vigourously branching plant with merlot-pink coloured blooms on purple-red stems.	50-75 cm	mounded	13-16 cm	5 g E33.008

Helianthus (cut flowers)

■ Asteraceae

■ Helianthus annuus

■ Annual bedding and pot plant

■ Seed count/gram:
Zohar F1: 20; Sunking F1: 25; Autumn Beauty: 50

■ Sowing:

Under shelter from March to August.
Direct sowing outdoor from April to July; in warmer areas mid-March to mid-August the latest.

■ Germination:

18 to 22°C in 7 days. For early sowing outdoors, cover with plastic to maintain a good temperature.

■ Growth temperature:

21-24°C by day, 18-20°C at night.

■ Voltz advice:

Density for direct sowing: 7-8 cm between each plant and 75 cm between each row. Around 9 weeks cultivation in summer 11-12 weeks cultivation in spring or autumn.



DMR: resistant against most common known strains of Downy Mildew (*Plasmopora halstedii*); therefore less chemicals required! We recommend the use of Sunrich F1 DMR in areas and seasons with high risk of affection, e.g. for the late sowings flowering late summer and autumn.



1 ▶ 4
SUNRICH® SUMMER F1

For outdoor production in summer (sowing week 15-28) the 'Summer' selections of the Sunrich type do flower 5-8 days earlier and produce shorter stems. The colour "Summer orange" is also available as DMR variety.

5 ▶ 6 **SUNRICH® F1**

All colours with black centre. In the early sowing period Sunrich flowers 10-14 days before other hybrids.

7 **PLEIN AIR F1 DMR**

Pollen-free, orange-yellow flowers 12-15 cm diameter. For secure and economic production.

8 **ZOHAR F1**

Pollenless F1 variety for the professional cut flower grower. Good experience with greenhouse and summer outdoor production. Nice dark green, uniform foliage, single stem. 2 rows of golden orange petals and dark disc are offering a lot of colour.

9 **TIFFANY F1**

Pollen-free flowers 12-15 cm diameter. The orange petals are densely placed in several rows.

10 **ZIGGY F1**

Pollenless, single stem bicolor variety: Sowing to flower 55-60 days.

11 **DOUBLE SUNKING F1**

Highly double quality flowers with 15-22 cm diameter.

12 **GOLDY DOUBLE F1**

Golden Double Sunflower is available in organic seeds! Sturdy branching plants producing 5-6 stems. Flowers open up semi-double, then mature to fully double, sowing to flower 45-50 days.

Height	Habit	Mini.	Colour	Code
150 cm	single stem	250 GC	1. <i>Limancello</i>	D36.2721GC
			2. <i>Orange</i>	D36.2756GC
			3. <i>Provence</i>	D36.2671GC
			4. <i>Orange DMR</i>	D36.2791GC
			5. <i>Orange</i>	D36.2701GC
			6. <i>Orange DMR</i>	D36.2761GC
120-160 cm	single stem	250 GN		D36.011
120-140 cm	single stem	10 g		D36.036B
120-160 cm	single stem	250 GN		D36.365
150-160 cm	single stem	250 GC		D36.240GC
160 cm	single stem	10 g		D36.006
150-180 cm	single stem	250 GN		D36.030B

Helianthus (cut flowers)




		Height	Habit	Mini.	Code
1 PRADERA F1 <i>Gold</i>	Long flowering window with 12-14 stems per plant! 3 Plants per m ² are sufficient to attract bees for many weeks; beautiful colour with dark disk. Due to the many side shoots and therefore long flowering window 'Pradera' Gold is much more interesting for flower meadows than single stem varieties	110-140 cm	branched	250 GN	D36.22B
2 RING OF FIRE	Bicolour petals with a dark red base and golden yellow tips.	120 cm	branched	250 GN	D36.4401
3 TANJA F1	Well branched, small flowered (10 cm diameter), pollenless, with intense orange colour. Florists love it for bouquets. 1 x pinching at a height of 20 cm improves number and quality of side stems.	120 cm	branched	250 GN	D36.1361
4 TALL SUNGOLD <i>Yellow</i>	Large golden double blooms; branching.	140-160 cm	branched	25 g	D36.000B
5 GUMMY BEAR	Innovative colour, gorgeous lemon-yellow, double flowers contrast with lush green foliage. Plants are well-shaped, uniform and show excellent growing performance. Sowing to flower 60-70 days.	140-170 cm	branched	250 GN	D36.501
6 AUTUMN BEAUTY <i>Mix</i>	Mix of bronze, purple, red, yellow and pastel shades.	180 cm	branched	10 g	D36.400

Heliopsis

- Asteraceae
- *Heliopsis helianthoides* var. *scabra*
- Perennial bedding plant and cut flower
- Sowing: From February to June.

- Germination: At 20°C.
- Growth temperature: Between 12 and 16°C.
- Voltz advice: In general quite tolerant to drought, but needs important watering when plants are in flower. Fits moist to moderate dry soils.



		Height	Habit	Pot size	Mini.	Code
1 BURNING HEARTS	Semi-double, bright bicoloured flowers. Dark coloured, sturdy stems. Flowering the first year.	100-120 cm	upright	12-19 cm	500 GN	M97.310
2 SUMMERSUN 	Light golden yellow. High percentage of double flowers. Flowering time: July to September.	120 cm	upright	-	500 GN	M97.3001

Heliotropium



- **Boraginaceae**
- **Heliotropium peruvianum**
- **Annual for bedding and pot plant**
- **Sowing:**
From January to April.
- **Seed count/gram:**
1700
- **Germination:**
At 20-22°C, in 14 to 20 days.
- **Growth temperature:**
Between 15 and 18°C.
- **Voltz advice:**
3 to 4 months cultivation period.
Sensitive to calcareous water.



MARINE

Deep blue. For borders, flower beds and potted plants.

Height	Habit	Pot size	Mini.	Code
40 cm	upright	10,5-13 cm	1 g	E33.501

Helipterum



- **Asteraceae**
- **Rhodanthe manglesii**
- **Annual for dry flower production**
- **Seed count/gram:**
700
- **Sowing:**
From April to June.
- **Germination:**
At 18°C.
- **Growth temperature:**
Between 12 and 15°C.



TIMELESS Rose

Rose with dark ring. Insensitive to day length. Uniform flowering. Perfect for dried flowers.

Height	Habit	Mini.	Code
40 cm	upright	5 g	D56.400

Herniaria



- **Caryophyllaceae**
- **Herniaria glabra**
- **Perennial for ground cover**
- **Seed count/gram:**
14 000
- **Germination:**
20°C.
- **Voltz advice:** Dark-germinator! Tiny seeds, mix with finest sand or talcum for an even sowing.

GLABRA

Low growing ground cover forms a dense, green carpet. Ideal for rock gardens, cemetery plantings or as lawn alternative. Evergreen. White flowers in July-August.

Height	Habit	Pot size	Mini.	Code
8-15 cm	groundcover	10,5-12 cm	5 g	P00.500



Hesperis



- **Brassicaceae**
- **Hesperis matronalis**
- **Biennial or perennial for beddings and cut flowers**
- **Seed count/gram:**
500
- **Sowing:**
From May to July.
- **Germination:**
Between 16-20°C.



MATRONALIS

Fragrant cluster flowers. Flowering time: April to July.

Height	Habit	Pot size	Mini.	Colour	Code
80 cm	upright	12 cm	5 g	1. Violet	P01.000
				2. White	P01.100

Heuchera 24

■ **Saxifragaceae**

- *Heuchera americana*
- *Heuchera micrantha*
- *Heuchera sanguinea*

■ **Perennial bedding plant**

- **Sowing:** From February to May. June-July for overwintering culture.

■ **Germination:**

20-22°C.
Do not cover the seeds.

■ **Growth temperature:**

Between 15 and 18°C.

■ **Voltz advice:**

Prefers rich, humus and fresh soils.



1 *sanguinea* **LEUCHTKÄFER**

(Firefly) 

Bright intense red flowers. Flowering time: May to July.

2 *sanguinea* **MELTON FIRE**

Beautiful large plant, strong curled leaves with intense purple-red colour and a blood red centre. Flowering time: April to May.

3 *americana* **DALE'S STRAIN**

Ornamental marbled leaves. Flowering time: June to August.

4 *micrantha* **PALACE PURPLE**

The creamy-white flowers are less important. Variety used for its bright purple foliage. Flowering time: May to July.

Height	Habit	Pot size	Mini.	Code
40 cm	mounded	10-13 cm	1000 GP	P02.100GP
45 cm	mounded	10-13 cm	250 GE	P01.840E
50 cm	mounded	11-15 cm	1000 GP	P01.700GP
50 cm	mounded	11-15 cm	1000 GP	P01.900GP

Hibiscus 24

■ **Malvaceae**

■ *Hibiscus acetosella*

■ **Perennial bedding and pot plant**

- **Sowing:** Cover heavily with plug media or vermiculite to prevent seedlings from tipping.

- **Germination:** 12-14 days at 21-24°C; or 14-21 days at 18°C. The first cotyledons might appear already after 3-5 days.

■ **Growth temperature:**

18-21°C day / 17-19°C night

■ **Voltz advice:**

Mostly used as an annual plant for its ornamental foliage. But plant could flower when grown under 12 hours day length or shorter. When day length is longer than 12 hours, flower initiation will be significantly delayed or will never occur.

MAHOGANY SPLENDOR

Awesome Colour and dramatic height. Deep burgundy, maple-shaped leaves with serrated edges. Drought and heat resistant ideally suited to the landscape and for large container plantings.

Height	Habit	Pot size	Mini.	Code
100-150 cm	upright	13-19 cm	100 GN	E33.775



Hibiscus 24

■ **Malvaceae**

■ *Hibiscus moscheutos*

■ *Hibiscus trionum*

■ **Annual bedding and pot plant**

■ **Sowing:**

From January to April.

■ **Germination:**

20-25°C.

■ **Growth temperature:**

Between 18 and 20°C.



1 *trionum* **SIMPLY LOVE**

Favoured plant due to its creamy, open flower with yellow throat and black centre.

2 ▶ **6** *moscheutos* **LUNA FI**

Deciduous perennial for temperate and protected conditions, with caduc foliage cultivated as an annual. Upright habit. Large attractive flowers of 15-20 cm. Bushy and well-branching plant without pinching. Likes heat and is drought resistant if the plant is already established in the flower-bed.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
50-80 cm	upright	10-12 cm	100 GN		E33.820		
				2. Mix	E33.810	3. Pink Swirl	E33.802
				4. Red	E33.804	5. Rose	E33.806
				6. White	E33.808		

Hypericum 24



- **Clusiaceae**
- **Hypericum calycinum**
- **Hypericum perforatum**
- **Perennial**
- **Seed count/gram:**
H. calycinum: 2 100;
H. perforatum: 7 600
- **Sowing:**
H. calycinum: June-September.

H. perforatum: March-April and September-October, light germinator. 2-3 seeds/cell.

- **Germination:**
At 20-22°C, in 14 to 21 days.
- **Growth temperature:**
18°C day /12 ° night.



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2

1 calycinum ROSE DE SHARON

A small, creeping, stolon-spreading shrub with semi-evergreen, leathery leaves and cup-shaped, bright yellow flowers.

2 PERFORATUM CULTURE FOR WINTER

Used for sales in pots for rock and herb garden as well as medical plant. But also in long lasting flower meadows the yellow flowers of this dry- and heat resistant plant are attracting the pollinators and bees the whole summer long.

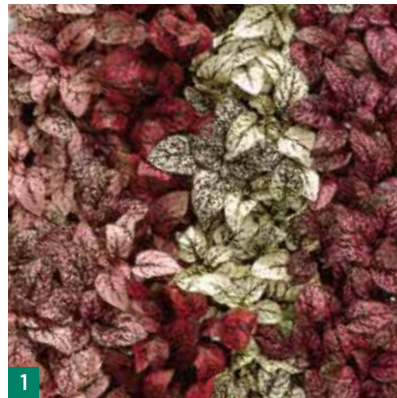
Height	Habit	Pot size	Mini.	Code
15-25 cm	creeping	10-13 cm	250 GP	P07.400GP
30-40 cm	upright	9 cm square 10-11 cm	5 g	P07.750B

Hypoestes

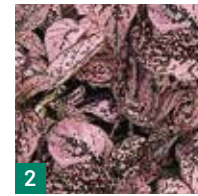


- **Acanthaceae**
- **Hypoestes phylllostachya**
- **Annual bedding and pot plant**
- **Sowing:**
All year long.

- **Germination:**
At 20-22°C, in 10 to 20 days.
- **Growth temperature:**
Between 18 and 20°C.
- **Voltz advice:**
3 months cultivation period. The brightness of leaf colour depends on the light conditions.



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1 ► 5 SPLASH SELECT

Branched and compact habit.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
10 cm	mounded	packs, 10 cm	250 GN	1. Mix	R40.205	2. Pink	R40.096
				3. Red	R40.100	4. Rose	R40.160
				5. White	R40.200		

Iberis (Thlaspi) 24



- **Brassicaceae**
- **Iberis sempervirens**
- **Perennial for borders**
- **Seed count/gram:**
250
- **Sowing:**
From May to June.

- **Germination:**
At 16-20°C.
- **Growth temperature:**
Between 12°C and 16°C.
- **Voltz advice:**
Cut stems slightly back after flowering.



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2

1 SNOW FLURRIES

Homogeneous selection with large flower umbels. Vernalization required!

2 SNOWFLAKE

Compact plant with large flowers. Flowering time: May to June.

Height	Habit	Pot size	Mini.	Code
25-30 cm	mounded	10-15 cm	250 GFC	P09.420GFC
30 cm	mounded	9-10 cm	1 g	P09.400

Impatiens x walleriana

Écolégers de ville

■ **Balsaminaceae**

■ **Impatiens x walleriana**

■ **Annual bedding and pot plant**

■ **Sowing:**

Sowing in warm greenhouse from mid-December to April. Light germinator.

■ **Germination:**

At 18-22°C in 10-14 days, or at 22-25°C in 9-12 days. Do not cover the seeds. Keep the moisture.

■ **Growth temperature:**

Between 14 and 16°C.

■ **Voltz advice:**

2-3-months cultivation period. Requires shade in young plant stage.



1

BEACON™ IMPATIENS

**High resistance to Downy Mildew
+ best long lasting flower
=
the Winner in the garden!**



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Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
20-25 cm	mounded	9-10 cm; pack	250 GFC	1. <i>Formula Mix</i>	E35.970GFC	2. <i>Blue Pearl</i>	E35.971GFC
				3. <i>Bright Red</i>	E35.960GFC	4. <i>Coral</i>	E35.961GFC
				5. <i>Orange</i>	E35.962GFC	6. <i>Rose</i>	E35.969GFC
				7. <i>Salmon</i>	E35.963GFC	8. <i>Violet Shades</i>	E35.965GFC
				9. <i>White</i>	E35.966GFC		

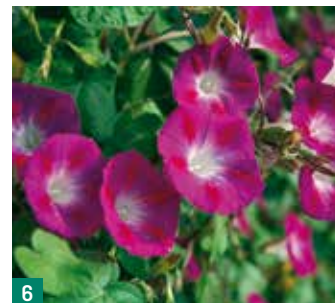
1 ▶ 9
BEACON® F1

A completely new genetic! Resistant against all currently known populations of Plasmopora which cause Impatiens Downy Mildew: uniform series with best plant structure! Offers high uniformity in young plant stage as well as in production and when planted out.

Ipomoea



- Convolvulaceae
- Ipomoea imperialis
- Ipomoea quamoclit
- Ipomoea tricolour
- Ipomoea purpurea
- Ipomoea luteola
- Climbing annual
- Seedcount/gram: 40
- Sowing: From March to May.
- Germination: At 18-20°C, in 15 days.
- Growth temperature: Between 12 and 15°C.
- Voltz advice: 3 months cultivation period.



			Height	Habit	Pot size	Mini.	Code
1	<i>imperialis</i> SUNRISE SERENADE	Large semi-double, cherry red flowers with a white throat.	until 3-4 m	climbing	16-25 cm, 5l pot	5 g	E38.8451
2	<i>luteola</i> SUNSPOT	Bright orange-red flowers with orange throat are making «Sunspot» so different to other Ipomoea.	200 cm	climbing	16-25 cm, 5l pot	250 GN	E38.830
3	▶ 5 <i>purpurea</i> VENICE	Colourful mixture of large, unique striped bicoloured flowers.					3. Mix E38.815
		Blue-white striped, cone shaped flowers.	160-180 cm	climbing	16-25 cm, 5l pot	10 g	4. Blue E38.821
		Pink-white striped, cone shaped flowers.					5. Pink E38.822
6	<i>purpurea</i> PARTY DRESS <i>Magenta Pink</i>	Eye-catching bright Magenta Pink with red stripes and white throat.	200 cm	climbing	16-25 cm, 5l pot	250 GN	E38.819
7	<i>purpurea</i> MILKY WAY	Large white flowers with rose veins.	250 cm	climbing	16-25 cm, 5l pot	10 g	E38.811
8	<i>purpurea</i> TRICOLOR MIX	Use for its trailing attractive tricolour foliage. Late flowering.	250 cm	basket	16-25 cm, 5l pot	10 g	E38.820
9	<i>tricolour</i> FLYING SAUCERS	Large, porcelain-white flowers with lavender vein.	250 cm	climbing	16-25 cm, 5l pot	10 g	E38.808
10	<i>tricolour</i> GRANDPA OTT	Deep blue flowers with a red star and white throat.	250 cm	climbing	16-25 cm, 5l pot	10 g	E38.809
11	<i>tricolour</i> HEAVENLY BLUE	Huge, light blue flowers with white throat.	250 cm	climbing	16-25 cm, 5l pot	10 g	E38.810
12	<i>tricolour</i> PEARLY GATES	Pure white flowers.	250 cm	climbing	16-25 cm, 5l pot	10 g	E38.812
13	<i>tricolour</i> SCARLET O'HARA	Large, intense rose flowers with white throat.	250 cm	climbing	16-25 cm, 5l pot	10 g	E38.814
14	QUAMOCLIT <i>Red</i>	Intense red flowers and nice, dignified foliage.	300 cm	climbing	16-25 cm, 5l pot	10 g	E38.860

Iresine



- **Amaranthaceae**
- **Iresine herbstii**
- **Annual for flower-beds and hanging baskets**
- **Sowing:** From February to April.
- **Germination:** At 22-24°C.
- **Growth temperature:** Between 16 and 18°C.
- **Voltz advice:** 10-12 weeks cultivation. Keep moderate moisture. Nor pinching neither use of growth regulator required. Aphid control necessary.



PURPLE LADY

Used for combined plantings for its ornamental foliage and as a groundcover.

Height	Habit	Pot size	Mini.	Code
15-20 cm	creeping	10-11 cm	100 GN	E38.900

Isotoma (Laurentia) 4



- **Campanulaceae**
- **Isotoma axillaris**
- **Perennial for beddings and as pot plant**
- **Sowing:** From December to March.
- **Germination:** At 22-24°C.
- **Growth temperature:** Between 18 and 20°C.
- **Voltz advice:** 14 to 16 weeks cultivation. Prefers to grow in cooler conditions. Warmer temperatures above 21°C could delay flowering.

GEMINI F1 Blue

The F1 'Gemini' series is more vigorous and free-flowering for excellent garden performance. Easy-to-grow plants are well-matched for earliness and uniformity.

Height	Habit	Pot size	Mini.	Code
20 cm	mounded	10-13 cm	250 GE	E39.370E



Knautia 4



- **Dipsacaceae**
- **Knautia macedonica**
- **Perennial bedding and pot plant**
- **Sowing:** From March to June.
- **Germination:** At 18-20°C.
- **Growth temperature:** Between 12 and 16°C.

MELTON PASTELS Mix

Double scabious-type flowers. Robust and long-lasting; winter hardy. Flowering time: May to September.

Height	Habit	Pot size	Mini.	Code
80 cm	upright	9 cm square 11-13 cm	250 GN	P14.3101



Kochia 2



- **Chenopodiaceae**
- **Kochia scoparia**
- **Kochia trichophylla**
- **Annual for beddings**
- **Seed count/gram:** 1000
- **Sowing:** From March to May.
- **Germination:** At 18-20°C. Light germinator.
- **Growth temperature:** Between 12 and 15°C.
- **Voltz advice:** 2 months cultivation period. 1 or 2 plants per pot. Sensitive to frost.



1 *scoparia childsii* **GREEN BUNCH**

Vigorous. Foliage stays green during the whole season.

2 **TRICHOPHYLLA**

Green foliage, becoming red in autumn.

Height	Habit	Pot size	Mini.	Code
90 cm	upright	11-13 cm	5 g	E39.180
90 cm	upright	11-13 cm	5 g	E39.200

Lathyrus latifolius 24

- **Fabaceae**
- **Lathyrus latifolius**
- **Climbing perennial for cutflower use**
- **Seed count/gram:** 20
- **Sowing:** From April to June.
- **Germination:** At 18-20°C. One day before

sowing, place seeds in mild water; emergence will be quicker and you will save some germination days.

- **Growth temperature:** Between 8 and 10°C.
- **Voltz advice:** Water carefully; plant should not be wet for long time; best is no irrigation from above.

PEARL Mix

Flowers of 2,5 cm with stems of 25-30 cm. Flowering time: July to September.

Height	Habit	Pot size	Mini.	Code
200 cm	climbing	11-13 cm	5 g	P15.400



Lathyrus odoratus

- **Fabaceae**
- **Lathyrus odoratus**
- **Annual bedding plant and cut flower**
- **Seed count/gram:** 10
- **Sowing:** Forcing under shelter: from october to January. Outdoors: direct sowing in pots in February or in fields, from March to April.

- **Germination:** At 15-20°C, in 14 days. One day before sowing, place seeds in mild water; emergence will be quicker and you will save some germination days.
- **Growth temperature:** Between 8 and 10°C.
- **Voltz advice:** 2 to 3 months cultivation period. Plant spacing : 10-15 cm. Use wire fence to allow plant growing upwards.

MAMMOUTH Mix

Many large flowers on long stems. Specially for cut-flower use.

Height	Habit	Mini.	Code
180 cm	climbing	10 g	D40.400



Lavatera

- **Malvaceae**
- **Lavatera trimestris**
- **Annual bedding plant and cut flower**
- **Seed count/gram:** 150
- **Sowing:** Sowing in pot, from February to March, 3 to 5 seeds per 12 cm pot or in packs. For cutflower variety direct sowing in bed is recommended; outdoor from april onwards.
- **Germination:** Between 15 and 18°C, in 7 to 14 days.
- **Growth temperature:** Between 12 and 15°C.
- **Voltz advice:** 3 months cultivation. Direct sowing gives better results. Avoid too much water. Remove withered blooms to prolongate the flowering period.



	Height	Habit	Mini.	Code
1 MIXTURE	50 cm	upright	5 g	D40.900
2 MONT BLANC	50 cm	upright	5 g	D40.960
3 RUBY REGIS	50 cm	upright	5 g	D40.930
4 SILVERCUP	50 cm	upright	5 g	D40.940
5 LOVELINESS PINK	70-90 cm	upright	5 g	D40.942B

Lavandula 24 🌱 🐝

■ **Lamiaceae**

- **Lavandula angustifolia**
- **Lavandula stoechas**
- **Lavandula vera**

■ **Perennial bedding and pot plant**

■ **Seed count/gram:**
1000

■ **Sowing:**
From March to June.

■ **Germination:**
Between 18 and 20°C.

■ **Growth temperature:**
Between 12 and 15°C.

■ **Voltz advice:**

For the varieties Ellagance and Lavance: sowing in February/ March for flowering in June to August in the same year; or sowing from June to July with flowering in May to June the next year. Do not water too often. In cool regions cut back the foliage in autumn, but do not cut too deep into the wooden base.



			Height	Habit	Pot size	Mini.	Colour	Code
1	angustifolia	SPEAR BLUE F1 🌱	25-30 cm	upright	10-15 cm	250 GP		P16.156GP
2	angustifolia	LAVANCE® 🌱	30 cm	upright	9 cm, pack	250 GP	2. Deep Purple	P16.152GP
3	angustifolia	ELLAGANCE 🌱	40 cm	upright	10-13 cm	250 GP	3. Purple 4. Snow	P16.192GP P16.196GP
5	angustifolia	HIDCOTE BLUE STRAIN 🌱	40 cm	upright	10-15 cm	1000 GN		P16.1001
6	angustifolia	VERA 🌱	50 cm	upright	9-12 cm	5 g		P16.000
7	stoechas	BANDERA 🌱	20 cm	mounded	10-13 cm	250 GN	7. Deep Purple 8. Deep Rose	P16.2151 P16.2161

A superb lavender with larger and longer inflorescences than any other seedling lavender. The upright flower stems are kept close together for best results. Very fragrant.

Green foliage. First-year flowering variety. Compact plant. Ideal for pack production.

Green foliage. First-year flowering. Grows also well under low light conditions. Flowering time: June to September.

Grey foliage. First-year flowering. Flowering time: June to August.

Real lavender. Flowering time: June to August.

The new generation of Lavandula stoechas with excellent branching, an abundance of flower spikes, and long flowering period. Easy to grow: 16-20 weeks from sowing to sales.



Layia

- Asteraceae
- Layia platyglossa
- Annual bedding plant
- Seed count/gram: 1200
- Sowing: From February to April.
- Germination: At 20°C, in 7 to 10 days.
- Growth temperature: Between 16 and 20°C.



TIDY TIPS *Yellow/White Tips*

Unique colour combination, simple daisy flower. Produces masses of flowers even in cooler summers.

Height	Habit	Pot size	Mini.	Code
30-45 cm	upright	9-11 cm	1 g	E39.480

Leonurus

- Lamiaceae
- Leonurus sibiricus
- Annual bedding plant
- Seed count/gram: 750
- Sowing: From March to May.
- Germination: At 18-22°C, in 14 to 28 days. Light germinator; do not cover the seeds.
- Growth temperature: 16°C day / 12°C night.
- Voltz Advice: Partly used as medicinal plant.



SIBIRICUS

Attracts bumblebees and bees; long flowering period; can be used as cutflower. Partly used as medicinal plant.

Height	Habit	Pot size	Mini.	Code
80-100 cm	upright	11-13 cm	5 g	D25.130

Leontopodium

- Asteraceae
- Leontopodium alpinum
- Perennial for rock gardens
- Sowing: From March to June.
- Germination: At 10-14°C.
- Growth temperature: Between 10 and 14°C.

EVEREST®

First year flowering Edelweiss with excellent pot performance. Uniform selection with improved germination! Flowers June-September.

Height	Pot size	Mini.	Code
8-10 cm	9-11 cm	250 GN	P18.005



Leucanthemum

- Asteraceae
- Leucanthemum maximum
- Perennial for beddings
- Seed count/gram: 800 to 1000
- Sowing: From May to June.
- Germination: At 18-22°C in 10-14 days. Requires light!
- Growth temperature: Between 15 and 18°C.



1 MADONNA F1 *White*

Madonna offers better uniformity in height and habit than other F1 shasta daisies. More salable plants.

Height	Habit	Pot size	Mini.	Code
20-25 cm	upright	10,5 cm 12-16 cm	250 GN	E19.626

2 WHITE LION F1

First year flowering perennial flowers under natural short days. Can be grown in short days!(10-hour daylength requirement)

Height	Habit	Pot size	Mini.	Code
20-25 cm	upright	10,5-13 cm	250 GN	E19.628

3 SILVER PRINCESS

Bushy and compact plants. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
40 cm	mounded	11-13 cm	1 g	M56.100

4 CRAZY DAISY *Double White*

High percentage of double flowers. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
60 cm	upright	16-19 cm	1 g	M55.960

5 ALASKA

Early. Giant flowers. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
80 cm	upright	16-19 cm	5 g	M56.000

Lewisia 24



- Portulacaceae
- Lewisia cotyledon
- Perennial bedding plant

Sowing:
From January to February for annual culture. May to July for biennial culture.

Germination:
Between 20 and 22°C.

Growth temperature:
Between 17 and 20°C day, 15°C night.
After 8 weeks (transplanting) grow at 10-15°C.

Voltz advice:
Lewisia has a tap-root that should not be damaged when transplanting. Keep warm during germination; does not bear low temperature in germination stage.



1 ▶ **4**
ELISE
First year flowering Lewisia! This variety needs no vernalization thus offering a substantially shorter cultivation period. With improved germination 'Elise' brings an excitingly new, heat tolerant annual for rockeries, beds and containers.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
12-15 cm	mounded	9-12 cm	250 GP	1. Mix	P18.801GP	2. Ruby Red	P18.802GP
				3. Ultra Violet	P18.804GP	4. White	P18.803GP

Liatriis 24



- Asteraceae
- Liatriis spicata
- Perennial bedding plant or cut flowers

Sowing:
From February to June.

Germination:
At 20°C.

Growth temperature:
Between 16 and 18°C.

Voltz advice:
Flowers surprisingly open from plant's top to bottom. Resists to drought.



1 ▶ **2** **FLORISTAN**
Long flowers stalks. Flowering time: July to September.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
90 cm	upright	13-16 cm	500 GN	1. Violet	P20.2001	2. White	P20.3001

Ligularia 24



- Asteraceae
- Ligularia dentata
- Ligularia przewalski
- Perennial bedding plant and cut flowers

Seed count/gram:
650.

Sowing:
L. dentata: from March to June.
L. przewalski: from June to September. 2-3 seeds/cell.

Germination:
L. dentata: between 18 and 20°C.
L. przewalski: at 18-22°C in 14-28 days.

Growth temperature:
L. dentata: between 16 and 18°C.
L. przewalski: 16°C day / 12°C night.



1 *dentata* (clivorum) **DARK BEAUTY**

Yellow-orange. Green foliage. Flowering time: August to September.

2 **PRZEWALSKI**

Impressive golden-yellow flower spikes; plants for semi-shadow places.

Height	Habit	Pot size	Mini.	Code
100 cm	upright	9 cm or 12-13 cm	1 g	P21.000
70-80 cm	upright	9-13 cm	250 GN	P21.2001

Limonium

- **Plumbaginaceae**
- **Limonium sinuata**
- **Limonium sinensis**
- **Limonium suworowii**

■ **Annual for dried cut flowers**

■ **Seed count/gram:**
5 000

■ **Sowing:**
From February to March for flowering starting from June. From September to

October for flowering starting from March.

■ **Germination:**
At 16-20°C, in 7 to 14 days.

■ **Growth temperature:**
Between 12 and 15°C.

■ **Voltz advice:**
3-4 months cultivation. Stems are ready to harvest when 60-70% of the blooms are open.



	Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 SUWOROWII	70-80 cm	upright	9 cm	1 g	1. Lilac Rose	D42.700KA		
2 sinensis CONFETTI	80 cm	upright	-	1.000 GN		D42.500KA		
3 9 sinuata OIS	70-90 cm	upright	-	250 GN	3. Mix	D41.920		
					4. Apricot Shades	D41.900	5. Dark Blue	D41.600
					6. Deep Rose	D41.640	7. Heavenly Blue	D41.680
					8. White	D41.880	9. Yellow	D41.840

Limonium

- **Plumbaginaceae**
- **Limonium perezii**
- **Limonium tataricum**
- **Perennial for dry flower production**

■ **Seed count/gram:**
1000

■ **Sowing:**
From February to March for a flowering in June. From

September to October for a flowering in March.

■ **Germination:**
At 16-20°C, in 7 to 14 days.

■ **Growth temperature:**
Between 12 and 15°C.

■ **Voltz advice:**
3-4 months cultivation. Best time to harvest the cutflower stems when 60-70% of the flowers are open.



	Height	Habit	Mini.	Code
1 tataricum (goniolimon) WOODCREEK	50 cm	upright	1000 GN	D43.9201KA
2 PEREZII	60 cm	upright	250 GN	D42.900KA




Cutflower for fresh and dry use. This hardy perennial develops large flower umbels. Drought tolerant.

Cutflower for fresh and dry use. For production in unheated tunnel or greenhouse; in warmer areas also outdoor production possible.

Linum

- Linaceae
- Linum grandiflorum
- Linum usitatissimum
- Annual bedding plant and cut flowers
- Seed count/gram: 250
- Sowing:** Direct sowing starting from end of March/April.
- Germination:** At 15°C in 7-14 days.
- Voltz advice:** Avoid humid and rich soils.



	Height	Habit	Mini.	Code
1 <i>grandiflorum</i> BLUE DRESS	50 cm	upright	1000 GN	D44.4941
2 <i>grandiflorum</i> RUBRUM 	50 cm	upright	10 g	D44.500B
3 USITATISSIMUM  	60 cm	upright	10 g	D44.600

Linum *perenne*

- Linaceae
- Linum perenne
- Perennial bedding plant
- Sowing:** From April to June.
- Germination:** At 15-18°C.

NANUM SAPHIR

Light blue. Compact and floriferous. Flowering time: July to August.

Height	Habit	Pot size	Mini.	Code
25 cm	upright	10-11 cm	500 GN	P24.4001



Lobelia

- Campanulaceae
- Lobelia siphilitica
- Lobelia x speciosa
- Lobelia fulgens
- Perennial bedding plant
- Sowing:** From January to March for flowering starting in June. From August to October for flowering April-May of the following years.
- Germination:** At 20°C, in 7 to 14 days.
- Growth temperature:** Between 15 and 18°C.
- Voltz advice:** Sowing week 15-17 for summer and fall sales; grow plugs for 8-9 weeks under 10 hour short day conditions!



	Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 2 SIPHILITICA	60 cm	upright	12-16 cm	1000 GP	1. Blue	P25.601GP	2. White	P25.602GP
3 <i>fulgens</i> QUEEN VICTORIA	90 cm	upright	12-15 cm	250 GE		P25.400E		
4 ▶ 8 <i>speciosa</i> STARSHIP F1	50-60 cm	upright	12-16 cm	250 GE	4. Blue 6. Rose 8. Scarlet Bronze Leaf	P25.513E P25.509E P25.517E	5. Burgundy 7. Scarlet	P25.515E P25.510E

Lobelia *erinus* ☉

■ Campanulaceae

■ Lobelia *erinus*

■ Lobelia *pendula*

■ Annual for beddings and pot plant

■ Seed count/gram: 25 000

■ Sowing: From December to March. Light germinator.

■ Germination:

At 20°C, in 7 to 14 days.

■ Growth temperature:

Between 12 and 14°C.

■ Voltz advice:

10 to 12 weeks cultivation.

White varieties contain a small percentage of blue flowers.



1



2



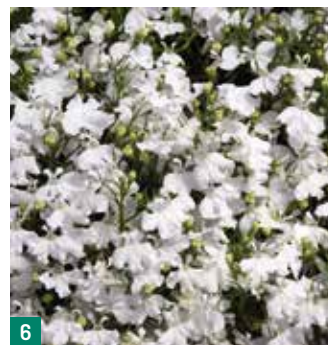
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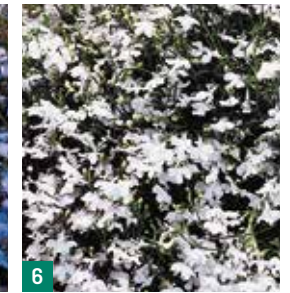


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13

COMPACT VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code	
1	CRYSTAL PALACE	Dark foliage. Late flowering. The best bedding plant variety.	10-15 cm	mounded	9 cm	1000 GE	E42.300E			
2	RAPID	Deep violetblue on green foliage. Slightly earlier than Riviera.	12-15 cm	mounded	8-9 cm; packs	1000 GE	2. Blue	E42.020E		
3	PALACE	Closed and regular habit. Early.	10-15 cm	mounded	9 cm	1000 GE	3. Blue	E42.310E	4. Blue Eye	E42.420E
6						10000 GN	5. Royal	E42.582E	6. White	E42.580E
						10000 GN	3. Blue	E42.310I	4. Blue Eye	E42.420I
						10000 GN	5. Royal	E42.582I	6. White	E42.580I
						1000 GE	7. Mix	E42.154E	8. Blue Eyes	E42.128E
						1000 GE	9. Marine Blue	E42.142E	10. Midnight Blue	E42.144E
						1000 GE	11. Rose	E42.146E	12. Sky Blue	E42.120E
						1000 GE	13. White	E42.150E		
7	RIVIERA	Very early series with compact habit. Homogeneous between colours.	10 cm	mounded	9 cm, pack	1000 GE	7. Mix	E42.154I	8. Blue Eyes	E42.128I
						10000 GN	9. Marine Blue	E42.142I	10. Midnight Blue	E42.144I
						10000 GN	11. Rose	E42.146I	12. Sky Blue	E42.120I
						10000 GN	13. White	E42.150I		



PENDULA VARIETIES FOR HANGING BASKETS		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 6	REGATTA	15-20 cm	semi-trailing	9-10 cm	1000 GE	1. Mixture	E42.774E	2. Marine Blue	E42.762E
						3. Midnight Blue	E42.764E		
					10 000 GN	1. Mixture	E42.774I	2. Marine Blue	E42.762I
						3. Midnight Blue	E42.764I	4. Rose	E42.765I
						5. Sky Blue	E42.766I	6. White	E42.768I

Lupinus



■ Fabaceae
■ Lupinus polyphyllus

■ Perennial bedding plant and cut flower

■ Sowing:
January-May for annual crop;
July to August for flowering
following year.

■ Germination:
At 18-20°C in 7-12 days.

■ Growth temperature:
15°C.



		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 6	LUPINI	28-40 cm	upright	15-21 cm	250 GN	1. Blue Shades	P28.810GFC	2. Pink Shades	P28.811GFC
						3. Red Shades	P28.812GFC	4. White	P28.813GFC
						5. Yellow	P28.814GFC	6. Mixed	P28.815GFC
7 ▶ 13	RUSSELL HYBRIDS	100 cm	upright	1 plant in 17 cm	25 g	7. Mix	P27.6002	8. Chandelier	P27.7002
						9. Chatelaine	P28.0002	10. Governor	P28.1002
						11. My Castle	P27.8002	12. Noble Maiden	P28.2002
						13. Page	P27.9002		

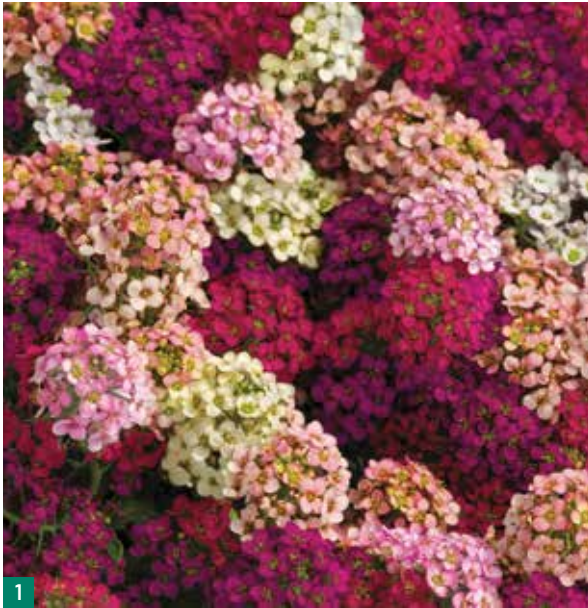
Lobularia

- Brassicaceae
- Lobularia maritima*
- Annual for beddings and pot plant

- Seed count/gram:** 3 500
- Sowing:** From February to April; sow 5 to 8 seeds per cel.

- Germination:** At 18°C, emergence in 9 to 14 days.
- Growth temperature:** After potting or planting, place plants into the greenhouse under moderate temperatures from 12 to 15°C.

- Voltz advice:** 6 to 8 weeks of cultivation. After germination place in an airy location with high light intensities. From the 4th week of cultivation, treat with fungicide when watering.



1 ▶ 5 EASTER BONNET

Mounded, compact and uniform habit. Fast and homogeneous flowering. For sale in packs.

6 SNOW CRYSTALS

Ground covering habit. Mid-green foliage. Tetraploid variety with very big white flowers of 5 mm.

7 ▶ 10 CLEAR CRYSTAL®

A tetraploid series that is more vigorous, with longer flowering period than Easter Bonnet Series. Large, fragrant flowers. We recommend this genetics!

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
15 cm	mounded	9 cm, pack	5 000 GN	1. Mixed	E02.5401	2. Deep Pink	E02.4401
				3. Deep Rose	E02.4361	4. Violet	E02.4801
				5. White	E02.4821		
15-25 cm	mounded	10 cm	1 000 GFC	6. White	E02.0001		
				7. Mixed	E02.0406FC	8. Lavender Shades	E02.0286FC
15-25 cm	mounded	9-10 cm	1 000 GFC	9. Purple Shades	E02.0326FC	10. White	E02.0366FC

Lunaria



- Brassicaceae
- Lunaria biennis
- Biennial for beddings and cut flowers
- Seed count/gram: 50
- Sowing: From April to June.
- Germination: Between 15 and 20°C.
- Growth temperature: Between 12 and 15°C.



		Height	Habit	Pot size	Mini.	Code
1 ALBA	For fresh and dried bouquets. For plant sales without flowers grow in 9 cm square pot. Flowering time: April to May.	100 cm	upright	9 cm	5 g	P26.600
2 VIOLET	For fresh and dried bouquets. For plant sales without flowers grow in 9 cm square pot. Flowering time: April to May. Pure white selection.	100 cm	upright	9 cm	5 g	P26.700

Malva



- Malvaceae
- Malva moschata
- Malva mauritiana
- Perennial bedding and pot plant
- Seed count/gram: M. moschata: 450, M. mauritiana: 235
- Sowing: M. moschata: From March to June, M. mauritiana: From March to May.
- 2 seeds/cell. Perennial plant cultivated as an annual.
- Germination: M. moschata: At 16-20°C, M. mauritiana: 20°C day / 14°C night, in 7-12 days.
- Growth temperature: M. moschata: Between 14 and 18°C, M. mauritiana: 16°C day / 10°C night.



		Height	Habit	Mini.	Code
1 MOSCHATA	Free flowering bushy plants with attractive flowers. Can be grown as an annual.	60-70 cm	upright	1 g	P32.800B
2 MAURITIANA	Veined purple flowers in long spikes.	90-100 cm	upright	1 g	P32.903B

Melampodium

- Asteraceae
- Melampodium paludosum
- Annual bedding and pot plant
- Sowing: From January to May.
- Germination: At 20-24°C, in 7 to 15 days.
- Growth temperature: Between 16 and 18°C.
- Voltz advice: 3 months cultivation period. Requires high temperatures.



		Height	Habit	Pot size	Mini.	Code
1 GOLDEN GLOBE	Most compact habit. Flowers of 5 cm. Bright colours.	18 cm	mounded	9-10 cm, pack	250 GN	E45.508
2 DERBY®	Small foliage, compact plant. Flowers of 5 cm. Bright colours.	20 cm	mounded	9-10 cm	250 GN	E45.510
3 SHOWSTAR®	Green foliage, covered with many yellow flowers.	25 cm	mounded	9-11 cm	250 GN	E45.500

Matthiola

■ Brassicaceae

■ *Matthiola incana*

■ Annual or biennial for pot and bedding plants and cut flowers

■ **Sowing:**

For early crop in greenhouse: from mid-November onwards. For protected outdoor production: from February onwards. For outdoor production: from April onwards.

■ **Germination:**

At 18°C, in 8 to 14 days.

■ **Growth temperature:**

At 10°C or outside.

■ **Visual selection:**

Select young plants on yellowish-green foliage which stands for double flowers. Place the plants at least for 17 hours at low temperatures (7-10°C) and in darkness. For non-selectable varieties remove the weak and very small seedlings.



ANNUAL DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 5 CINDERELLA	100% of fragrant double flowers (if sorted). Selectable after cold period.	25 cm	mounded	9-11 cm	1000 GN	1. Mix	E91.1001	2. Pink	E91.0601
						3. Purple	E91.0201	4. Red	E91.0701
						5. White	E91.0801		
6 HOT CAKES	Very well branched series with green foliage and bright colours. For flower beds. Excellent performances, even under cool conditions. Selectable on foliage colour.	25 cm	mounded	9-11 cm	500 GN	6. Mix	E91.1381		
7 ▶ 13 HERITAGE <small>colours by eye</small>	Free-flowering variety, often grown as a half-hardy annual. Lance-shaped, grey-green leaves. For outdoor use, flowering in summer; sturdy, upright stems.	35 cm	upright	11 cm	500 GN	7. Fruits Rouges Mix	E91.148	8. Crimson	E91.1411
						9. Lavender	E91.1431	10. Pink	E91.1441
						11. Scarlet	E91.1421	12. Violet	E91.1461
						13. White	E91.1401		



ANNUAL HIGH VARIETIES		Height	Habit	Mini.	Colour	Code
1 ▶ 2	AIDA	60-70 cm	upright	500 GN	1. Purple	D47.363
					2. White	D47.364
3 ▶ 5	OPERA	60-70 cm	upright	500 GN	3. Purple Violet	D47.370
					4. Red	D47.372
					5. Rose	D47.374
AIDA/OPERA <i>(non illustrated)</i>		60-70 cm	upright	500 GN	Mix	D47.380
6	FIGARO	75 cm	upright	500 GN	6. Lavender	D47.365
					7. Blue	D47.378
7 ▶ 9	MATHILDA	80 cm	upright	500 GN	8. Lavender	D47.379
					9. Yellow	D47.376



BIENNIAL VARIETY

VINTAGE Mix

Excellent behaviour in beddings. Good cold-tolerance. Most important variety for South Europe winter plantings.

Height	Habit	Pot size	Mini.	Code
40-50 cm	upright	9-11 cm	1000 GN	E91.2091

Mentha

- Lamiaceae
- *Mentha requienii*
- First year flowering perennial
- **Sowing:** March-May. Direct sowing in 10 cm pot possible with 1 multipellet per pot.
- **Germination:** At 18-21°C in 5 to 7 days.
- **Fertilization:** EC below 0,7.
- **Growth temperature:** 20°C day, 16°C night.
- **Voltz advice:** Crop time 5-8 weeks.

CORSICAN MINI MINT

Highly fragrant, small leaved, robust and fast developing groundcover. For sales in pots and baskets, but also used as groundcover one graves, or even as alternative to lawn.

Height	Pot size	Habit	Mini.	Code
3-5 cm	9-11 cm	carpet-growing	100 GE	G87.930E



Mimosa

■ Mimosaceae

■ *Mimosa pudica*

■ Annual bedding and pot plant

■ Seed count/gram: 200

■ Sowing: From January to April.

■ Germination: At 20°C, in 20 to 30 days. Light germinator.

■ Growth temperature: 12°C; High light level and well ventilated conditions.

■ Voltz advice: 6 to 7 months cultivation period. Direct sowing in pots is possible.



PUDICA

Sensitive foliage, leaves fold up at the slightest touch.

Height	Habit	Pot size	Mini.	Code
30-40 cm	upright	12-16 cm	5 g	R42.000

Mimulus

■ Scrophulariaceae

■ *Mimulus x hybridus*

■ Annual bedding and pot plant

■ Sowing: From February to April.

■ Germination: At 20°C, in 7 to 14 days.

■ Growth temperature: From 14 to 16°C, lower later to 8-12°C for hardening the plants.

■ Voltz advice: 6-8 weeks cultivation. Easy to steer for flowering at mother's day. Can be cutted back for second flowering.



1 2 MAGIC F1

Vigorous, compact and early plant.

Height	Habit	Pot size	Mini.	Code
15 cm	mounded	9 cm, pack	250 GE	1. Mix E46.930E

3 MAXIMUS F1

The best *Mimulus grandiflora* series ever selectionned. Large flowers of 6 cm. More vigorous series, with a habit more upright than Magic series. Ideal for 10.5 cm pots culture. Stands very low temperatures around 5-8°C.

30 cm	mounded	10-11 cm	250 GE	E46.950E
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Mina lobata

■ Convolvulaceae

■ *Mina lobata*

■ Climbing annual for flowerbeds and treillis

■ Seed count/gram: 50

■ Sowing: Direct sowing with 4-5 seeds per pot, from January to March.

■ Germination: At 20°C.

■ Growth temperature: Between 16 and 18°C.

■ Voltz advice: 12 weeks cultivation period.



EXOTICA Red Bicolour

Red bicolor. Climbing plant. Grape-shaped flowers.

Height	Habit	Pot size	Mini.	Code
300 cm	climbing	12-18 cm	5 g	R42.500

Moluccella

■ Lamiaceae

■ *Moluccella laevis*

■ Annual bedding plant and cut flower

■ Seed count/gram: 150

■ Sowing: Direct sowing from February to April.

■ Germination: 12°C, in 14 to 30 days. Cold germinator. Keep cool until emergence of the seedlings.

■ Growth temperature: Between 12 and 15°C.

■ Voltz advice: Pinching delays flowering but results in higher yield per sqm. After harvesting before drying remove the leaves between the blooms. Planting distance 25 cm row distance.



LAEVIS

Green inflorescences with greenish, round-shaped bracts.

Height	Habit	Mini.	Code
50-90 cm	upright	5 g	D48.000

Musa

■ Musaceae

■ *Musa ensete ventricosum*

■ Annual bedding and pot plant

■ Sowing: Soak seeds for 24 h in water of 25°C. Sowing from January to March.

■ Germination: At 20°C, often uncertain.

■ Growth temperature: Between 16 and 18°C.

■ Voltz advice: Exposure: In full sun, protected from wind to avoid damage on the leaves. A rich and humid soil. Well drained peat and a regular fertilisation increases the plant development.

ENSETÉ

Light green foliage. Ornamental plant.

Height	Habit	Pot size	Mini.	Code
100 cm	upright	12-16 cm	25 GN	R43.100



Monarda

- **Lamiaceae**
- **Monarda didyma**
- **Perennial bedding plant or cutflower**
- **Seed count/gram:**
2000
- **Sowing:**
From March (for first year flowering varieties) to August.
1 to 3 seeds per cell.
- **Germination:**
At 20°C.
- **Growth temperature:**
Between 14 and 16°C.



1 ► 2 PANORAMA

Upright habit. Solitary planting possible. Flowering time: June to September.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
110 cm	upright	19-23 cm	500 GN	1. Mix	P35.0001	2. Red Shades	P35.0101

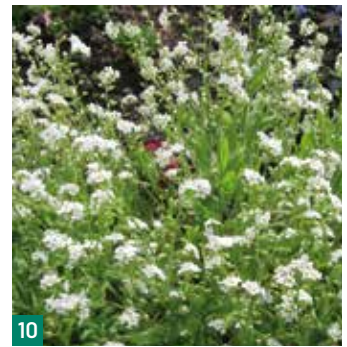
Myosotis

- **Boraginaceae**
- **Myosotis alpestris**
- **Myosotis sylvatica**
- **Biennial bedding plant**
- **Seed count/gram:**
1600
- **Sowing:**
From June to August.
- **Germination:**
From 15-20°C, in 14 to 20 days.
- **Growth temperature:**
10-12°C.



	Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ► 4 <i>sylvatica</i> MON AMIE	15-20 cm	mounded	9-10 cm	1000 GN	1. Mix	P36.003		
				250 GN	2. Blue	P36.000	3. Pink	P36.002
					4. White	P36.004		
5 <i>sylvatica</i> ULTRAMARINE	15 cm	mounded	9-10 cm	1g		P36.200		
6 <i>sylvatica</i> MIRO	15 cm	mounded	9-10 cm	500 GN		P36.1101		
7 <i>sylvatica</i> PERFECTION BLUE	15 cm	mounded	9 cm, pack	1g		P36.120		

Myosotis ☺



	Height	Habit	Pot size	Mini.	Colour	Code
1 ▶ 2 <i>sylvatica</i> VICTORIA	15 cm	mounded	9-10 cm	1 g	1. Blue Indigo 2. White	P36.345 P36.480
3 ▶ 6 <i>sylvatica</i> SYLVA	20 cm	mounded	9 cm, pack	500 GN	3. Bluesylva 4. Rosylva 5. Snowsylva 6. Mix	P36.0081 P36.2501 P36.2531 P36.2551
7 <i>sylvatica</i> WALLUFER SCHNITT	40 cm	upright	-	1 g		P36.500
8 ▶ 10 ALPESTRIS	30-35 cm	mounded	10-11 cm	1 g	8. Blue Indigo 9. Carmine King 10. White	P35.800 P35.802 P35.804

Nepeta 4

- **Lamiaceae**
- **Nepeta x faassenii**
- **Perennial bedding plant**
- **Seed count/gram:** 1000
- **Sowing:** From March to June.
- **Germination:** At 20°C.
- **Growth temperature:** Between 15 and 18°C.

FAASSENII *Light Blue*
 Light blue. Fragrant blue-grey foliage.
 Flowering time: May to August.

Height	Habit	Pot size	Mini.	Code
30 cm	cushion	9-12 cm	5 g	P38.100



Nicotiana



ALATA HIGH VARIETIES		Height	Habit	Pot size	Mini.	Code
1	BABY BELLA F1 <i>Antique Red</i>	60 cm	upright	11-13 cm	500 GC	E49.600GC
2	WHITE	60-80 cm	upright	11-13 cm	0,25 g	E48.700
3	TINKERBELL F1	90 cm	upright	11-13 cm	500 GN	E48.505



OTHER VARIETIES		Height	Habit	Pot size	Mini.	Code
1	<i>langsdorffii</i> LEMON TREE	80 cm	upright	11-13 cm	250 GN	E49.625
2	<i>mutabilis</i> MARSHMALLOW	120 cm	upright	12 cm/ 17-23 cm	500 GE	E49.610E
3	<i>sylvestris</i> ONLY THE LONELY	150 cm	upright	12 cm/ 17-23 cm	500 GE	E49.620E

Nemesia

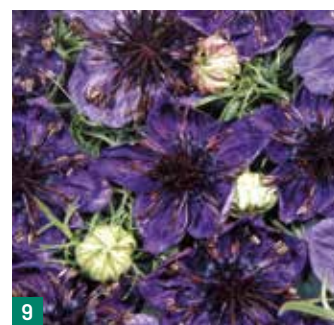
- **Scrophulariaceae**
- **Nemesia strumosa**
- **Annual bedding and pot plant**
- **Sowing:** December-February for sales in March-April. June-July for sales in late summer/fall.
- **Germination:** 15-20°C, in 14 to 20 days.
- **Growth temperature:** 10°C.
- **Voltz advice:** Avoid excessive heat. Crop time 12 to 14 weeks.



	Height	Habit	Pot size	Mini.	Code
1 SUNDRIPS F1 <i>Mix</i>	20 cm	mounded	9-12 cm	250 GN	E48.010
2 NEBULA F1 <i>Mix</i>	20-25 cm	upright	10,5-12 cm	250 GN	E48.110

Nigella

- **Ranunculaceae**
 - **Nigella damascena**
 - **Nigella hispanica**
 - **Nigella orientalis**
 - **Annual bedding and pot plant and cut flower**
- **Seed count/gram:**
400 N. damascena; 800 N. hispanica;
300 N. orientalis
 - **Sowing:**
Direct sowing in 9 cm pots, packs or outdoor-sowing from March till May.
 - **Germination:**
At 18°C, in 14 to 20 days.
 - **Growth temperature:** 12°C.
 - **Voltz advice:**
For cutflower production outdoor in beds: Space 20 x 30 cm (16 plants per sqm).



	Height	Habit	Mini.	Code
1 <i>orientalis</i> TRANSFORMER Small yellow flowers followed by very ornamental capsules.	50 cm	upright	10 g	D49.900
2 ▶ 3 <i>damascena</i> MISS JEKYL The best selection for cut and dried flower.	40 cm	upright	10 g	2. Mix D49.400 3. Blue D49.000
4 <i>damascena</i> MIX Best variety for cut flower production.	40-45 cm	upright	5 g	D49.400B
5 <i>damascena</i> GREEN POD Green capsules, used for cut and dried flower.	80 cm	upright	10 g	D49.424
6 <i>damascena</i> BLACK POD Red capsules, used for cut and dried flower.	80 cm	upright	10 g	D49.420
7 <i>hispanica</i> BLUE CROWN Single-flowering with large flowers. Capsules of the same colour. Fresh and dry flower.	45 cm	upright	10 g	D49.800
8 <i>hispanica</i> AFRICAN BRIDE Large pure white flowers with contrasting almost black seed pods.	80 cm	upright	10 g	D49.802
9 <i>hispanica</i> MIDNIGHT Large, velvet dark purple flowers with deep purple buds. Florists love it.	80 cm	upright	10 g	D49.804

Oenothera

- **Oenotheraceae**
 - **Oenothera missouriensis**
 - **Oenothera speciosa**
 - **Perennial bedding and pot plant**
- **Sowing:**
Between 18 and 20°C.
 - **Growth temperature:**
Between 12 and 15°C.



	Height	Habit	Pot size	Mini.	Colour	Code
1 MISSOURIENSIS Compact plant. Flowering time: June to August. <i>(macrocarpa)</i>	20 cm	upright	10-11 cm	500 GN	Golden Yellow	P39.1001
2 SPECIOSA ROSEA Very fragrant. Flowers during the day and the night. Flowering time: June to August.	40 cm	upright	10-12 cm	500 GN	Light Pink	P39.3001

Onobrychis 24

- **Fabaceae**
- **Onobrychis vicifolia**
- **Perennial**
- **Seed count/gram:**
55
- **Sowing:**
From March to August.
2-3 seeds/cell.

- **Germination:**
At 18 and 20°C, in 14-28 days.
- **Growth temperature:**
16°C day / 12°C night.

VICIFOLIA

The deep-rooted, perennial, long flowering plant is primarily used as in flower mixtures and park meadows; attractive for insects as well as a soil conditioner. However, it is also used as a cut flower for summer bouquets.

Height	Habit	Mini.	Code
40-70 cm	upright	10 g	M71.100B



Osteospermum

- **Asteraceae**
- **Osteospermum ecklonis**
- **Annual pot plant**

- **Sowing:**
From March to June.
- **Germination:**
At 18 and 20°C.

- **Growth temperature:**
From 13 to 18°C by day.
10-12°C at night.

- **Voltz advice:**
10-12 weeks cultivation in spring, 7-9 weeks cultivation in autumn. Additional light with 3 000 lux 16 hours a day encourages flowering.



1 ▶ **7**
AKILA®

Well branched plants deliver excellent performance in packs and pots as well as in the landscape. «no-pinch» growing and 7-10 day flowering window makes this series the best for mechanized production.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
30-35 cm	upright	9-12 cm	100 GN	1. <i>Grand Canyon Mixture</i>	E50.577	2. <i>Mixture</i>	E50.575
				3. <i>Sunset Shades</i>	E50.578	4. <i>Daisy White</i>	E50.576
				5. <i>Lavender Shades</i>	E50.571	6. <i>Purple</i>	E50.572
				7. <i>White Purple Eye</i>	E50.574		

Origanum



- **Lamiaceae**
- **Origanum hybridum**
- **Annual flowering perennial**
- **Sowing:** End of February to end of March, with 4 seeds per plug.
- **Germination:** At 18-22°C in 4-5 days.
- **Fertilization:** pH 5,8 to 6,5.
- **Growth temperature:** At 16-18°C.
- **Voltz advice:** Crop time potting to sales: 9-11 weeks.

KIRIGAMI

Eye-catching, large purple-green bracts changing colour depending on temperature and light. **Very heat and drought tolerant!** Requires long day: critical daylength 14 hours.

Height	Habit	Pot size	Mini.	Code
20-25 cm	semi-trailing	10,5-12 cm	250 GN	E08.520

Pardancanda

- **Iridaceae**
- **Pardancanda norrisii**
- **Perennial bedding plant**
- **Seed count/gram:** 50
- **Sowing:** From April to July.
- **Germination:** At 18-20°C.
- **Growth temperature:** Between 12 and 15°C.
- **Voltz advice:** Avoid humidity and excessive watering.



NORRISII *Mix*

Can be cultivated as an annual. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Code
70 cm	upright	9 cm / 11-13 cm	5 g	P42.900

Passiflora

- **Passifloraceae**
- **Passiflora caerulea**
- **Climbing perennial**
- **Seed count/gram:** 120
- **Sowing:** From January to March.
- **Germination:** At 18-20°C, in 20 to 30 days.
- **Growth temperature:** Between 14 and 16°C.
- **Voltz advice:** 5 to 7 months crop time.



CAERULEA

White petals with eye-catching ring of blue filaments. Easy cultivation. Very fancy flowers. Flowering time: June to September.

Height	Habit	Pot size	Mini.	Code
200 cm	climbing	11-13 cm	5 g	R35.000

Papaver

BE CAREFUL!

In some areas, Papaver somniferum cultivation is strictly controlled. Ask your local administration for information.

- **Papaveraceae**
- **Papaver somniferum**
- **Annual bedding plant and cut flower**
- **Seed count/gram:** 2 000
- **Sowing:** From February to April.
- **Germination:** At 16°C, in 14 to 20 days.
- **Growth temperature:** 8 to 10°C.
- **Voltz advice:** Crop time about 5 month. Best results in well fertilized, chalky soil.



1 HEN & CHICKENS

About 50% of large capsules surrounded by smaller capsules.

Height	Habit	Pot size	Mini.	Code
80 cm	upright	9-12 cm	5 g	D51.200

2 MAXI (BLUE MOON)

Variety with large capsules, very ornamental.

Height	Habit	Pot size	Mini.	Code
80 cm	upright	9-12 cm	5 g	D51.100

Papaver ☺ 21 🌱

■ Papaveraceae

- Papaver nudicaule
- Papaver orientale
- Papaver rhoeas

■ Biennial or perennial bedding and pot plant

■ Seed count/gram: P. nudicaule: 6-8 000; P. orientale: 3 500; P. rhoeas: 6 000

■ Sowing: From June to August.

■ Germination: At 15°C.

■ Growth temperature: Between 8-10°C.



ICELAND PAPAVER		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code	
1	<i>nudicaule</i> GARTENZWERG	Bright colours. Compact and very floriferous. Flowering time: June to July.	30 cm	upright	9-11 cm	500 GN	1. Mix	P41.4001		
2	▶ 9 <i>nudicaule</i> CHAMPAGNE BUBBLES F1 <small>colours de zija</small>	Large range of bright colours. Large flowers. Hardy stems. Early, abundant and uniform flowering.	40-50 cm	upright	10-12 cm	250 GP	2. Fruits	P41.722GP	3. Citrus	P41.719GP
							Rouges Mix	Mix		
							4. Mix	P41.720GP	5. Orange	P41.710GP
							6. Pink	P41.711GP	7. Scarlet	P41.714GP
							8. White	P41.712GP	9. Yellow	P41.713GP



ORIENTAL PAPAVER		Height	Habit	Pot size	Mini.	Code
1	<i>orientale</i> ALLEGRO 🌱	40 cm	upright	9-12 cm	1g	P42.200
Floriferous with large flowers. Flowering time: June to July.						
2	<i>orientale</i> PIZZICATO 🌱	50-60 cm	upright	10,5-12 cm	500 GE	P41.880E
Up to 20 strong flower stems per plant with huge, approx. 15 cm diameter, flowers in bright colours. Flowering time: June to July.						

RHOEAS PAPAVER		Height	Habit	Mini.	Code
SIMPLY RED 🌱		50-60 cm	upright	5g	P41.182
For dry flower production (capsule) and for colouring bee-attractive Flower Mixtures.					
				5g	P41.182B

Pelargonium zonale

- Geraniaceae
- Pelargonium x hortorum
- Annual bedding and pot plant

- Sowing:** November to February.
- Germination:** At 20-22°C, in 7 to 15 days.

- Growth temperature:** Between 16-18°C.
- Voltz advice:** Ensure good ventilation in winter to keep


humidity low to avoid botrytis. All varieties are being delivered in highest seed quality as filmcoated seeds.



1 ▶ **8** **MULTIBLOOM F1**
Bright colours. For pot and bedding plants.

9 **BULL'S EYE F1**
Deep bronze foliage with green edge. Responds well to growth regulator.

10 ▶ **21** **MAVERICK F1** 
Uniform and early series. Ideal for high density production. Responds well to growth regulator.

22 **LANDSCAPER F1** 
Bright scarlet-red, large flower umbels on vigorous, well branched plants with zoning foliage.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
20 cm	mounded	10-11 cm	100 GFC	1. Mix	E52.390GFC	2. Lavender	E52.260GFC
				3. Pink	E52.280GFC	4. Red Imp.	E52.300GFC
				5. Salmon	E52.340GFC	6. Scarlet Eye	E52.370GFC
				7. Violet	E52.345GFC	8. White	E52.380GFC
				9. Mix	E52.690GFC		
30 cm	mounded	10-12 cm	100 GFC	10. Mix	E51.726GFC	11. Orange	E51.710GFC
				12. Pink	E51.712GFC	13. Quicksilver	E51.709GFC
				14. Red	E51.714GFC	15. Rose	E51.721GFC
				16. Salmon	E51.716GFC	17. Scarlet	E51.718GFC
				18. Scarlet Picotee	E51.724GFC	19. Star	E51.720GFC
				20. Violet	E51.723GFC	21. White	E51.722GFC
				22. Scarlet	E52.506GFC		
30-40 cm	mounded	11-13 cm	100 GFC				

Pelargonium *peltatum* ☉

- Geraniaceae
- Pelargonium x hederifolium**
- Annual bedding and pot plant
- Seed count/gram: 200
- Sowing:** November to February.
- Germination:** At 20-22°C, in 7 to 15 days
- Growth temperature:** Between 16 and 18°C.
- Voltz advice:** 3,5-4 months cultivation period. If seeds are sown in December, harden plants at 12°C. Good aeration and low humidity in winter prevent plants from Botrytis.



TORNADO® F1 Mix

Well branched without pinching; strong foliage; bright colours.

Height	Habit	Pot size	Mini.	Code
30-35 cm	trailing	10,5-12 cm	50 GFC	E53.190GFC

Penstemon 24 🐝 🌱

- Scrophulariaceae
- Penstemon barbatus**
- Penstemon digitalis**
- Perennial bedding plant and cut flower
- Sowing:** Annual cultivation: from mid-January to May. For winter production: July to August.
- Germination:** At 18-20°C, in 7 to 14 days.
- Growth temperature:** Between 12 and 15°C.
- Voltz advice:** Space potted plants as early as possible at a cool, airy place with high light.



1 3
barbatus **TWIZZLE**

First year flowering perennial with taller flower stems than existing varieties. For the striking red colour, the new plant habit and the superb flowering performance during the first year.

4 *barbatus*
COCCINEUS

Vigorous plant for borders. Flowering time: June to August.

5
digitalis **MYSTICA**

Bronze foliage making a beautiful contrast with light lavender floral spikes. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
70-80 cm	upright	13-15 cm	250 GN	1. Coral	P43.721	2. Purple	P43.722
				3. Scarlet	P43.720		
				4. Red	P43.7001		
75 cm	upright	13-16 cm	250 GN	5. Lavender	P43.850		

Pentas



- **Rubiaceae**
- **Pentas lanceolata**
- **Annual bedding and pot plant**
- **Sowing:**
From January for a flowering in May;

or sowing every 3 weeks for offering pot plants the whole year round.

■ **Germination:**
At 22-25°C. Maintain a high hygrometry. Do not cover the seeds.

■ **Growth temperature:**
Between 18 and 20°C (not below 15°C).

■ **Voltz advice:**
16 to 18 weeks for the growing period. High light conditions are requested for a massive flowering.



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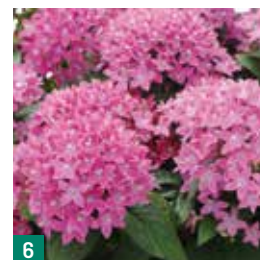
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11



12



13



14



15



16



17



18



19

1 GRAFFITI® OG F1

Good heat tolerance. Good outdoor performance. Large umbels on strong stems.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
35 cm	upright	10-11 cm	100 GE	1. Red Velvet	R46.029E		

2 ▶ 11 GRAFFITI® 20/20 F1

More uniform and better branched than former Graffiti® OG series. The flower umbels have highly developed petals for a strong visual impact.

35-40 cm	upright	10,5-13 cm	100 GE	2. Mix	R46.019E	3. Cranberry	R46.046E
				4. Flirty Pink	R46.009E	5. Fuchsia	R46.045E
				6. Lavender Pink	R46.018E	7. Lazer Pink	R46.013E
				8. Ruby	R46.012E	9. True Pink	R46.014E
				10. Ultra Violet	R46.016E	11. White	R46.017E

12 ▶ 19 LUCKY STAR® F1

Very early with a uniform flowering, very homogeneous between the colours.

30-35 cm	mounded	10,5-13 cm	100 GE	12. Mix	R46.092E	13. Dark Red	R46.080E
				14. Deep Pink	R46.082E	15. Lavender	R46.084E
				16. Lipstick	R46.087E	17. Pink	R46.088E
				18. Violet	R46.088E	19. White	R46.090E

Petunia

- Solanaceae
- Petunia grandiflora
- Petunia multiflora
- Petunia milliflora

- Annual bedding and pot plant
- Sowing: January to March.

- Germination: At 20-22°C, in 5-8 days. Keep pellets very moist.
- Growth temperature: 15-18°C.

- Voltz advice: 10 to 12 weeks cultivation. For very early sowings (December): 12 to 16 weeks.

PACTA PARADE:
early and compact
for packs!

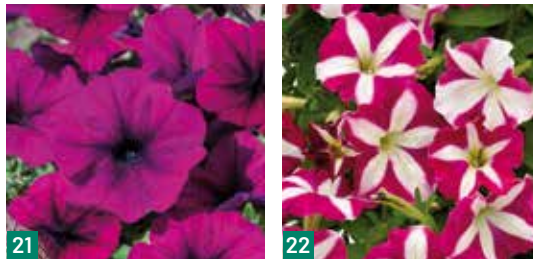
LIMBO GP F1



EZ RIDER F1



SUCCESS HD F1



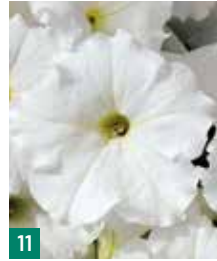
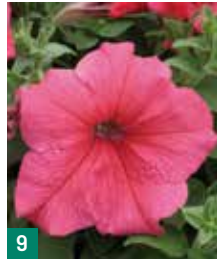
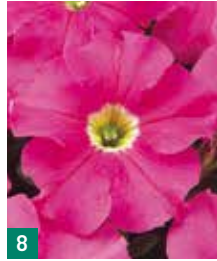
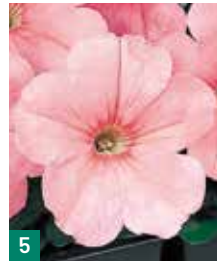
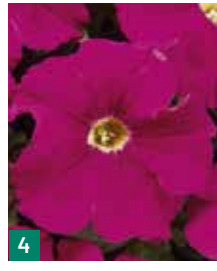
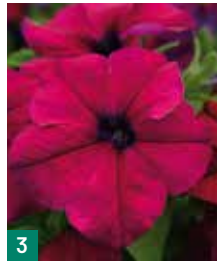
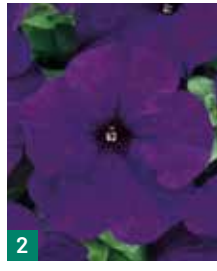
1 ▶ 22 PACTA PARADE F1

The new F1 generation of genetic compact growing, large flowering Petunia for high density culture AND good garden performance! Suitable for cold growing. **No PGRs required** (depending on growing regime). A selected series using those genetics who offer a genetically compact habit in pack and pot and also have an enhanced, longer performance in beds and landscapes. A tight blooming window lets you sell all colours at the same time.

20 cm mounded 9-10 cm, pack 500 GE

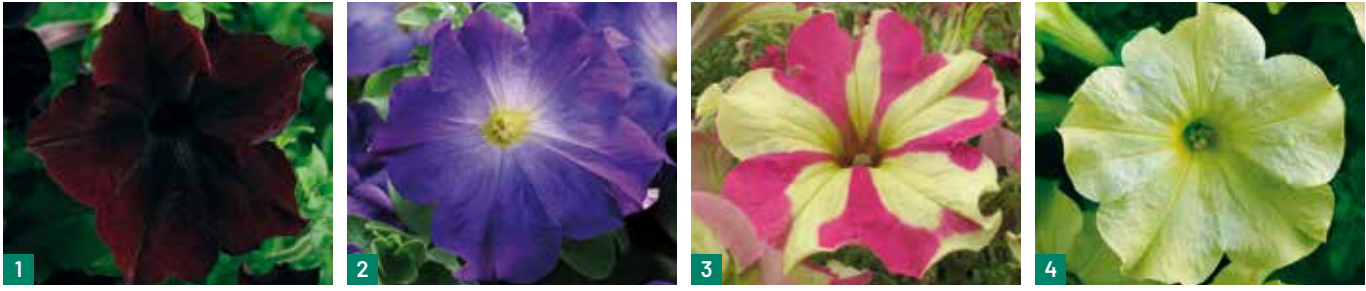
SINGLE FLOWERED GRANDIFLORA VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1.	Blue Picotee	E55.223E	2.	Blue Vein	E55.201E				
3.	Burgundy Picotee	E55.207E	4.	Deep Purple	E55.203E				
5.	Mid Blue	E55.211E	6.	Peach	E55.216E				
7.	Picotee Mix	E55.221E	8.	Plum Vein	E55.214E				
9.	Red Picotee	E55.217E	10.	Red Vein	E55.218E				
11.	Rose Morn	E55.219E	12.	Rose Picotee	E55.209E				
13.	Salmon	E55.208E	14.	Silver Blue	E55.215E				
15.	Sky Blue	E55.213E	16.	Blue	E55.204E				
17.	Deep Pink	E55.212E	18.	Red	E55.200E				
19.	Rose	E55.210E	20.	White	E55.202E				
21.	Burgundy	E55.206E	22.	Rose Star	E55.222E				
Also available in MIX									E55.220E

PARADE: reliable quality for the segment flower beds!



SINGLE FLOWERED GRANDIFLORA VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code GN	Code GE	Colour	Code GN	Code GE					
1 ▶ 24 PARADE F1	Large flowers. Compact habit. Very floriferous. Bright colours.	20 cm	mounded	9-10 cm, pack	500 GN/ 500 GE	1. Select Mix	E55.040	E55.040E	2. Blue	E55.010	E55.010E					
						3. Burgundy	E55.027	E55.027E	4. Neon Rose	-	E55.020E					
						5. Pastel Pink	E55.016	E55.016E	6. Red	E55.018	E55.018E					
						7. Rose	E55.350	E55.350E	8. Rose Pink	E55.014	E55.014E					
						9. Salmon	E55.026	E55.026E	10. Sky Blue	E55.490	E55.490E					
						11. White	E55.028	E55.028E	12. Yellow Sunshine	E55.626	E55.626E					
						13. Picotee Mix	E55.620	E55.620E	14. Picotee Blue	E55.520	E55.520E					
						15. Picotee Burgundy	E55.600	E55.600E	16. Picotee Red	E55.540	E55.540E					
						17. Picotee Rose	E55.560	E55.560E	18. Picotee Velvet	E55.610	E55.610E					
						19. Star Mix	E55.462	E55.462E	20. Blue Star	E55.480	E55.480E					
						21. Burgundy Star	-	E55.358E	22. Crimson Star	-	E55.360E					
						23. Red Star	E55.400	E55.400E	24. Rose Star	E55.460	E55.460E					
						Also available in TOTAL MIX									E55.500	E55.500E
						25 ▶ 28 DADDY® F1	Early and floriferous series. Veined colours.	20 cm	mounded	9-10 cm, pack	500 GE	25. Blue	-	E55.980E	26. Peppermint	-
27. Red	-	E56.100E	28. Sugar	-	E56.140E											
Also available in MIX												E56.200E				

Petunia



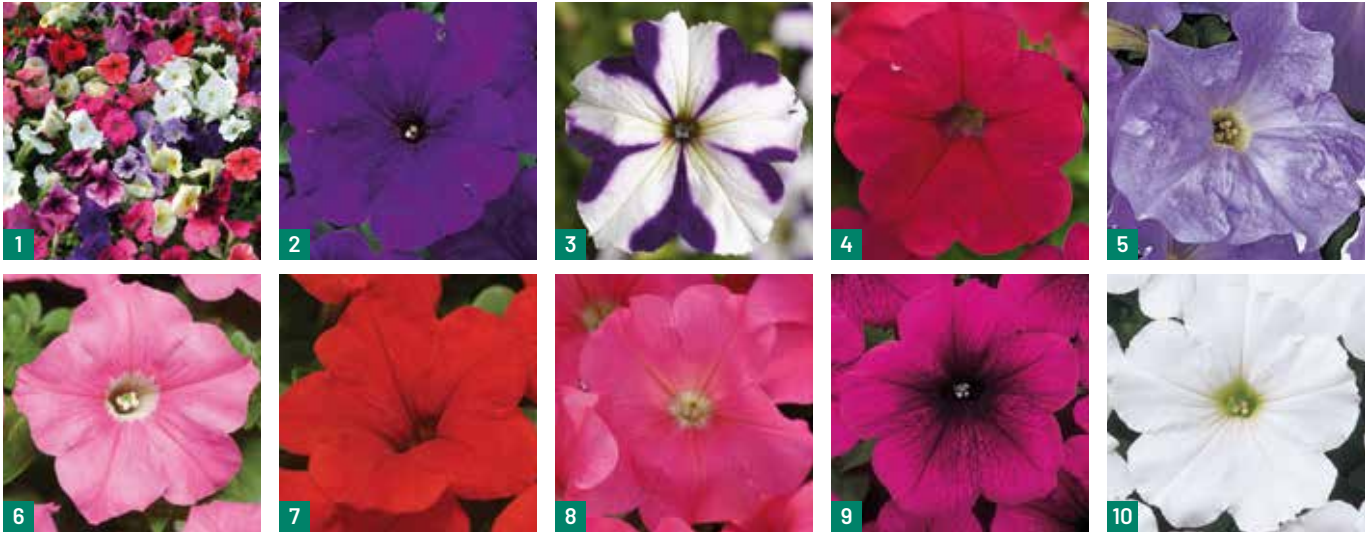
GRANDIFLORA COLLECTION

Height Habit Pot size Mini. Colour Code Colour Code

1 ► 4 SOPHISTICA® F1

The series is a fancy combination of large flowers and unusual colours.

30 cm upright 10-12 cm 100 GE 1. Blackberry E59.951E 2. Blue Morn E59.954E
3. Lime Bicolour E59.952E 4. Lime Green E59.953E



MULTIFLORA VARIETIES

Height Habit Pot size Mini. Colour Code Colour Code

1 ► 10 MIRAGE F1

Early, uniform and very rich flowering. Good performance at a wide range of conditions.

20 cm upright 8-10 cm 500 GE 1. Total Mix E57.909E 2. Blue E57.915E
3. Blue Star E57.904E 4. Deep Rose E57.919E
5. Light Blue E57.918E 6. Pink E57.917E
7. Red E57.902E 8. Rose E57.899E
9. Velvet E57.907E 10. White E57.911E



MILLIFLORA VARIETIES

Height Habit Pot size Mini. Colour Code Colour Code

1 ► 5 PICOBELLA F1

Naturally compact habit. Excellent tolerance to bad weather. Very floriferous. Easy and economical to grow.

25-30 cm mounded 9-11 cm, pack 250 GE 1. Mix E58.140E 2. Blue E58.100E
3. Red E58.124E 4. Rose E58.128E
5. White E58.136E



DOUBLE FLOWERED GRANDIFLORA VARIETIES

Height Habit Pot size Mini. Code

1 **DOUBLE GLORIOUS F1** Mix Mix of large flowers. Vigorous type. 20 cm mounded 9-10 cm 500 GE E59.000E
2 **DOUBLE CASCADE F1** Mix A truly double flowering Petunia from seeds. Featuring earliness, excellent compact habit and good branching. Huge flowers. 25-35 cm trailing 9-10 cm 500 GE E59.369E

DOUBLE FLOWERED MULTIFLORA VARIETIES

DOUBLE DUO F1 Mix

Stays compact. Abundant flowering. Fully double blooms.

Height Habit Pot size Mini. Code
20 cm upright 9-10 cm 500 GN E59.340
250 GE E59.340E

Petunia hybrida ☉

- Solanaceae
- Petunia pendula
- Annual pot plant
- Sowing: From January to March.
- Germination: At 20-22°C, in 14 days.
- Growth temperature: 16-18°C.
- Voltz advice: 8 to 13 weeks cultivation, depending on the pot size and the period of the year.

*It's Early, it's Efficient,
it's the Evolution of Easy
Wave®...it's E3!*



E3 EASY WAVE™

HEIGHT 15-30 CM • WIDTH: 60-80 CM



2



3



4



5



6



7

1 ▶ 7
E3 EASY WAVE® F1

Early series already flowering at 10 h daylength; a uniform spreading series for economic production.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
15-30 cm	semi-trailing	10,5-15 cm	100 GE	1. Mix	E55.859E	2. Blue	E55.851E
				3. Coral	E55.852E	4. Pink Cosmo	E55.854E
				5. Red	E55.858E	6. Sky Blue	E55.850E
				7. White	E55.855E		

Petunia *hybrida* ☺

EASY WAVE™

HEIGHT: 25 CM • WIDTH: 70 CM



1 ▶ 20
EASY WAVE™ F1
Ecoline
by Jelle

Trailing habit. Large-flowering series. Flowering under short-day conditions allows early sales.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
25 cm	semi-trailing	11-15 cm, baskets	100 GE	1. Formula Mix	E55.665E	2. Great Lakes Mix	E55.676E
				3. Berry Velour	E55.686E	4. Blue	E55.667E
				5. Burgundy Star	E55.668E	6. Burgundy Velour	E55.687E
				7. Coral Reef	E55.669E	8. Lavender Sky Blue	E55.656E
				9. Neon Rose	E55.677E	10. Pink	E55.662E
				11. Pink Passion	E55.658E	12. Plum Vein	E55.671E
				13. Red	E55.661E	14. Red Velour	E55.688E
				15. Rose Fusion	E55.664E	16. Rosy Dawn	E55.673E
				17. Silver	E55.659E	18. Violet	E55.675E
				19. White	E55.660E	20. Yellow	E55.685E

TIDAL WAVE™

HEIGHT 30-60 CM • WIDTH: 70-90 CM



1 ▶ 5

TIDAL WAVE™ F1

Trailing habit. Very good resistance to wind, rain and high temperatures.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
30-60 cm	trailing	12-15 cm, baskets	100 GE	1. Cherry	E55.651E	2. Hot Pink	E55.650E
				3. Purple	E55.653E	4. Red Velour	E55.654E
				5. Silver	E55.652E		
Also available in Mix							E55.655E

Perilla



- Lamiaceae
- *Perilla frutescens*
- Annual bedding plant
- Seed count/gram: 750

- Sowing: In March-April.
- Germination: At 15°C, in 14 to 21 days.
- Growth temperature: Between 12 and 15°C. 10-12 weeks cultivation.

RED SKIN

Red. Bright deep purple foliage. Serrated foliage. Pyramidal growth.

Height	Habit	Pot size	Mini.	Code
60 cm	upright	9-12 cm	5 g	E54.900



Perovskia



- Lamiaceae
- *Perovskia atriplicifolia*
- Perennial bedding plant

- Sowing: March for annual culture for sales in summer. Beginning of May for sales in September. Sowing July for biennial crop for sales the following spring.

- Germination: At 18-20°C.
- Growth temperature: Between 12 and 15°C.
- Voltz advice: Daylength-neutral! Does not require vernalisation but high light conditions! Pinch once after 4th nodium. Grow 1 plant in a 11-12 cm pot; or 3 plants in a 15-16 cm pot.



1 BLUESETTE

The first and only compact, branching and early Perovskia from seed.

Height	Habit	Pot size	Mini.	Code
35-50 cm	upright	10,5-14 cm	100 GN	P44.607

2 BLUE STEEL

First year flowering perennial with aromatic, silvery foliage carrying clouds of small blue flowers on strong silver stems. Comparable to the vegetative leader. Heat and drought tolerant, very hardy.

Height	Habit	Pot size	Mini.	Code
60-90 cm	upright	11-16 cm	100 GN	P44.605

Phaseolus

- Poaceae
- Phaseolus multiflorus
- Climbing annual
- Sowing: From February sow in pot or directly in place from March- April as soon temperatures are warm enough.
- Seed count/gram: 2
- Germination: 15-20°C. Before sowing, soak seeds the day before in water to neutralize dormancy and gain some days in germination.
- Growth temperature: Between 8 and 10°C.
- Voltz advice: 8-12 weeks cultivation. Plant with a distance of 10-15 cm in the line with wire netting.



coccineum **GOLIATH Red**

Red. Climbing plant. Bright green foliage.

Height	Habit	Mini.	Code
200-300 cm	climbing	50 g	E32.960

Phlomis

- Lamiaceae
- Phlomis samis
- Perennial
- Seed count/gram: 105
- Sowing: From February to October. 2 seeds/cell.
- Germination: 26°C day/18°C night, in 21-28 days.
- Growth temperature: 20°C day/16°C night.



SAMIS (RUSSELIANA)

Flower heads appear on different levels along the strong stems.

Height	Habit	Pot size	Mini.	Code
80-100 cm	upright	9-11 cm	100 GP	P45.6006P

Phlox

- Polemoniaceae
- Phlox drummondii
- Annual bedding plant
- Seed count/gram: 450
- Sowing: From January to April.
- Germination: At 18-20°C, in 7 to 14 days. Dark germinator. Cover seeds with vermiculite.
- Growth temperature: Between 12 and 16°C by day, and 10-13°C at night.
- Voltz advice: 10 to 14 weeks growing period. Flowering can be forced by additional lighting to a day-length of 16 hours.



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Code
1	ETHNIE Mix	15 cm	mounded	pack, 9 cm	500 GN	E60.7201
2	21ST CENTURY F1 Mix	30 cm	mounded	9-10 cm	250 GP	E60.6106P



VARIETIES TO CUT		Height	Mini.	Code	
3	BLUSHING BRIDE	Tireless perennial in delicate white and pink pastel shades. Dense cushions at a height of 25 cm; very pretty as a bed border, in the rock garden or in the balcony box. It is also particularly suitable for small bouquets.	22-28 cm	10 g	D50.510
4	CHERRY CARAMEL	Strong and pleasantly fragrant vanilla-coloured flowers with a pink eye. When blooming still strong cherry-coloured, later the colour changes to different caramel tones.	35-40 cm	10 g	D50.512
5	SUGAR STARS	A beautiful and unusual phlox variety with fragrant flowers! Flowers open with light star or dark star, completely blue or in delicate light blue. Some are strongly contrasted, some with harmonious transitions of all colours.	35-40 cm	10 g	D50.514

Physalis 24

- Solanaceae
- Physalis alkekengi
- Perennial for dry flowers
- Seed count/gram: 650
- Sowing: From March to May.
- Germination: At 18-20°C.
- Growth temperature: Between 14 and 18°C; 12-15°C at night.
- Voltz advice: Cultivation time 16-18 weeks.

FRANCHETII

Lantern-shaped bright orange fruits, in September.
Flowering time: July to September.

Height	Habit	Pot size	Mini.	Code
90 cm	upright	9 cm 13-15 cm	5 g	P47.500



Physostegia 24

- Lamiaceae
- Physostegia virginiana
- Perennial bedding plant and cut flower
- Sowing: From December to March for annual culture. June to August for biennial crop.
- Germination: At 16-20°C in 12-16 days.
- Growth temperature: Between 14 and 16°C.
- Voltz advice: High nutrition level required. Caution: NH4-based fertilizers can cause root damage. pH 6-7.



1 CRYSTAL PEAK

Very dense white floral spikes covering the plant all summer long. Well branched plant. Ideal for mass plantation or in association. First year flowering. Flowering time: July to September.

Height	Habit	Pot size	Mini.	Colour	Code
40 cm	upright	9-11 cm	100 GN	1. White	P48.120
70 cm	upright	13-17 cm	250 GN	2. Alba 3. Rosea	P48.0001 P48.1001

2 ► 3 VIRGINIANA

Long spikes with bell-shaped flowers. Flowering time: July to September.

Plectranthus

- Lamiaceae
- Plectranthus argentatus
- Annual bedding and pot plant
- Sowing: In February-March.
- Germination: At 18-22°C, in 5 to 7 days. Do not cover seeds, they need light for germination.
- Growth temperature: Between 18-24°C by day and 16-20°C at night. 12 to 14 weeks cultivation.

SILVER SHIELD

Hardy and vigorous plant. Large silvery grey leaves. Small blue flowers at the end of summer. Comparable to varieties usually available from cuttings, but offering undeniable advantages: plants are more branched and homogeneous.

Height	Habit	Pot size	Mini.	Code
80 cm	upright	10-12 cm	100 GE	E61.202E



Platycodon 4 🌱

- Campanulaceae
- *Platycodon grandiflorus*
- Perennial bedding and pot plant

- **Sowing:**
From February to May.
- **Germination:**
At 20-22°C.

- **Growth temperature:**
Between 16 and 20°C.
- **Voltz advice:**
12 to 16 weeks cultivation.



1 ASTRA F1 Large single flowers. Large colour range. Compact. Produce 1 plant in 10 cm or 3 plants in 13-14 cm pot. Flowering time: June to August.

2 POPSTAR F1 Best branching and most compact plant habit; fast and easy to grow; tight flowering window.

Height	Habit	Pot size	Mini.	Colour	Code
15 cm	mounded	11-13 cm	250 GN	Blue	P50.5601
				Rose	P50.5641
				White	P50.5681
15-18 cm	mounded	10,5-13 cm	250 GN	Blue	P50.4221
				Pink	P50.4231
				White	P50.4201

Potentilla 4 🌱

- Rosaceae
- *Potentilla atrosanguinea*
- *Potentilla nepalensis*
- Perennial bedding plant

■ **Sowing:**
From March to June.

■ **Germination:**
At 18-20°C.

■ **Growth temperature:**
Between 14 and 16°C.



1 nepalensis MISS WILLMOTT Rose Beautiful plant for garden. Flowering time: June to July.

2 ATROSANGUINEA Scarlet Beautiful plant for borders. Flowering time: June to July.

Height	Habit	Pot size	Mini.	Code
40 cm	upright	10-13 cm	500 GN	P53.8001
60 cm	upright	10-13 cm	500 GN	P53.5601

Portulaca

- Portulacaceae
- Portulaca grandiflora
- Annual bedding and pot plant
- Seed count/gram: 10 000

Sowing:
From February to April.

Germination:
At 20-22°C, in 7 to 14 days.
Do not cover seeds.

Growth temperature:
Between 16 and 20°C.

Voltz advice:
10 to 14 weeks crop time. Needs light to grow, do not let in a shady location. Heat and drought-resistant.



TRAILING HABIT

HAPPY TRAILS F1 *Mixture*

The Happy Trails series takes Portulaca to a new level... trailing Portulaca in brilliant colours! With fantastic spreading in the garden, Happy Trails gives the most vivid colour assortment on the market today. Growers will love this new portulaca series with the shortest photoperiod on the market today: 10 hours! Very bright mix.

Height	Pot size	Mini.	Code
15-25 cm	9-10 cm	250 GE	E62.270E



1



2



3

COMPACT HABIT

	Height	Pot size	Mini.	Code
1 SUNDIAL F1 <i>Mix</i>	10 cm	8-10 cm	1000 GN 250 GE	E62.2201 E62.220E
2 HAPPY HOUR F1 <i>Mixture</i>	10-15 cm	9 cm, pack	250 GE	E62.005E
3 DOUBLE <i>Extra Mix</i>	20-25 cm	9 cm, pack	1g	E62.400

Primula *x elatior*

Primulaceae

Primula x elatior

Biennial bedding and pot plant

Sowing:
From June to August.

Germination:
At 15-18°C, in 15 to 20 days.

Growth temperature:
Between 10 and 12°C.

Voltz advice:

Cover seeds with vermiculite after sowing. Use a special Primula substrate. Place sowing boxes at a shady location to avoid drying out. Avoid too cold and too chalky water. pH 6,5-7. To improve flower initiation a period of low temperature at high light conditions is necessary.

Culture scheme for Primula elatior

	Varieties	Pot size	A	M	J	J	A	S	O	N	D	J	F	M
mid-early	Supernova F1	10,5-12 cm												
	Sibel® F1	10,5-13 cm												
	Crescendo® F1	10,5-12 cm												

Sowing
Transplant
Potting
Flower period



1 ▶ **15**
SUPERNOVA F1

Large showy umbels on sturdy multiple stems. Autumn flowering when potted early; spring flowering when potted late and grown cold.

Height	Mini.	Colour	Code	Colour	Code
25 cm	250 GN	1. Mix	P54.970	2. Andalou Mix	P54.972
		3. Castille Mix	P54.973	4. Catalan Mix	P54.974
		5. Galice Mix	P54.976	6. Blue	P54.958
		7. Cream	P54.960	8. Orange	P54.955
		9. Pink	P54.963	10. Purple Bicolor	P54.957
		11. Red	P54.964	12. Rose Bicolor	P54.967
		13. Sky Blue	P54.959	14. White	P54.968
		15. Yellow	P54.961		



1 ▶ 2
elatior **SIBEL® F1**

Florescence with large flowers on strong stems. Very decorative in pots and arrangements. Also suitable for outdoor plantings.

3 ▶ 16
CRESCENDO® F1

Ideal for beddings. Winter-resistant. Many large flowers.

Height	Mini.	Colour	Code	Colour	Code
20-25 cm	250 GN	1. Lime	P55.301	2. Scarlet & Yellow	P55.302
		3. Mix	P55.240GP	4. Citrus Mix	P55.235GP
		5. Firenze Mix	P55.250GP	6. Milano Mix	P55.252GP
		7. Sicila Mix	P55.254GP	8. Venezia Mix	P55.256GP
		9. Bellarosa	P55.100GP	10. Blue Shades	P55.000GP
		11. Bright Red	P55.120GP	12. Orange	P55.080GP
		13. Pure White	P55.200GP	14. Rose Shades	P55.160GP
		15. Wine	P55.030GP	16. Yellow	P55.050GP

Primula *acaulis* ☺

Sowing
Transplant
Potting
Flower period

Culture scheme for Primula acaulis

- **Primulaceae**
- **Primula acaulis**
- **Biennial bedding and pot plant**

■ **Sowing:**

For early series: from May to June.
For late sowing: From June to mid-July. See culture table.

■ **Germination:**

15-18°C, in 15 to 20 days.
Cover seeds with vermiculite after sowing.

Use special sowing substrate. Place sowing boxes at shady location to avoid drying out. Avoid too cold and too hardy water (chalk). pH for sowing substrate: 6,5-7.

■ **Growth temperature:**

Between 12 and 14°C, shade and ventilate if necessary. To improve flower initiation a period of low temperatures at high light conditions is required.

Precocity	Varieties	Pot size	A	M	J	J	A	S	O	N	D	J	F	M
very early	Athena F1	9-10,5 cm												
	Bonnelli® F1	10,5-11 cm												
early	Fruelo F1	10,5-12 cm												
	Fruelo - Elcora	10,5-12 cm												
	Salome® F1	10,5-11 cm												
mid early	Perle d'Alsace	10,5-12 cm												
	Unistar® F1	10,5-12 cm												
	Unistar® F1 - Elcora	10,5-12 cm												
	Double Queen F1	10,5-12 cm												
late	Eblo® F1	10,5-12 cm												
	Eblo® F1 - Elcora	10,5-12 cm												
very late	Esna®	9-10,5 cm												
very early	Everlast F1	10,5-12 cm												



		Height	Mini.	Colour	Code	
1	ATHENA F1	Heat tolerant primrose for extra early flowering and suitable for early autumn flowering. Excellent plant habit and good range of bright colours. Requires no cold for flower induction.	15 cm	500 GN	1. Mix	R51.630
2	BONNELI® F1	Very beautiful flowers highlighted with a dark green foliage, slightly waffled. Flowering from mid-November to end of January allowing to obtain a quality product.	13-15 cm	500 GC	2. Mix	R55.890GC
3	▶ 4 F RUELO F1	Early type with large flowers, for early flowering in December and January.	15 cm	500 GC	3. Mix	R55.530GC
					4. Elcora Mix	R55.535GC
5	SALOME® F1	Compact mid-late variety. Large uniformity for planned harvesting.	15 cm	500 GC	5. Mix	R56.720GC
6	PERLE D'ALSACE	Very large-flowering series. Leading variety on the French market. Late flowering.	15 cm	500 GC	6. Total Mix	R56.594GC



7



8



9



10



11



12



13



		Height	Mini.	Colour	Code
7 ▶ 8 UNISTAR® F1	Mid-early and homogeneous variety. Compact habit.	15 cm	500 GC	7. Mix	R55.450GC
				8. Elcora Mix	R55.452GC
9 ESNA® F1	Latest type with a genetically compact habit.	15 cm	500 GC	9. Mix	R57.800GC
10 ▶ 11 EBLO® F1	Compact late type. For low temperatures production.	15 cm	500 GC	10. Mix	R55.948GC
				11. Elcora Mix	R55.950GC
12 <small>colours available</small> EVERLAST F1	Very floriferous with natural look; ideal for beddings and city parcs. Plantings in autumn are very winterhardy and start flowering very early in spring. Flowers in autumn and very early in spring even under low light conditions! For cultivation in winter for spring sales do NOT use any PGR.	8-12 cm	500 GN		R58.118
13 DOUBLE QUEEN F1	Large, fully double flowers in shiny colours. For production of premium quality plants.	15-20 cm	250 GN	13. Mix	R54.030

Primula *obconica* ☺

- **Primulaceae**
- **Primula obconica**
- **Biennial bedding and potted plant**
- **Sowing:** All year long.
- **Germination:** Between 7 to 9 days, at 22-24°C. Maintain the soil humid with a layer of vermiculite.
- **Growth temperature:** Between 15 and 18°C. 17 to 24 weeks cultivation.



ORIGINAL F1 *Mix*

Large umbels. Vigorous and healthy growth.

Height	Habit	Pot size	Mini.	Code
25-30 cm	upright	12-13 cm	500 GN	R62.694

Ptilotus ☺ 🌿 🌱

- **Amaranthaceae**
- **Ptilotus exaltatus**
- **Annual for pot plant**
- **Sowing:** From January to April.
- **Germination:** In 5 to 7 days, at 24-26°C. Cover seeds with a layer of vermiculite.
- **Growth temperature:** Between 18 and 21°C. 12 to 16 weeks cultivation. Avoid temperatures lower than 10°C.



JOEY®

Fancy plant with large bright rose spikes with silvery shimmer. Short culture period. Australian plant resistant to heat and drought. Plant with an unusual shape and colour.

Height	Habit	Pot size	Mini.	Code
30-40 cm	upright	10-12 cm (1 plant) 17-19 cm (3 plants)	100 GP	E62.894GP

Pulsatilla 2 🐝 🌿

- **Ranunculaceae**
- **Anemone pulsatilla**
- **Perennial for rockeries**

- **Sowing:** From April to May.
- **Germination:** At 15°C.

- **Growth temperature:** Between 16 and 18°C.

- **Voltz advice:** Cover seeds lightly with vermiculite. Roots can stay in place several years. Protect plants in winter.



1 3 *vulgaris* PINWHEEL

Popular plant with high applicability for rock gardens.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
50-70 cm	cushion	11-15 cm	250 GN	1. Blue Violet	P59.001KA	2. Dark Red	P58.921KA
				3. White	P59.101KA		

Pyrethrum ☺ 🌿 🌱

- **Asteraceae**
- **Tanacetum parthenium**
- **Annual for flower beds and mosaic plantings**
- **Seed count/gram:** 10 000

- **Sowing:** From January to May.
- **Germination:** At 18-22°C.
- **Growth temperature:** Between 14 and 16°C.



1 *aurum* GOLDEN MOSS

Golden yellow. Finely lobed leaves, perfect for mosaic plantings.

2 *ptarmiciflorum* SILVER LACE

Fine and deeply insisted, silvery foliage. Drought tolerant.

Height	Habit	Pot size	Mini.	Code
10 cm	mounded	9-10 cm	1 g	E62.800
35-40 cm	upright	10,5-12 cm	250 GN	E62.901

Ranunculus

- **Ranunculaceae**
- **Ranunculus hybrida**
- **Biennial bedding and pot plant and cut flower**
- **Sowing:** Mid August to begin of October.
- **Germination:** From 12 to 15°C in 14-21 days. Never above 18°C. Cover seeds with a slight layer of vermiculite.
- **Growth temperature:** 10 to 12°C at day; 5°C at night. Avoid excessive heat.
- **Voltz advice:** Flowers approx. 5 months after sowing resp. 3 1/2 months after potting. Grow seedlings at a day-length below 13 hours to avoid bulb induction.



MACHÉ F1 Mix

Uniform. Strong flower stems. Good response to growth regulators. Very good bloom quality.

Height	Habit	Pot size	Mini.	Code
30-40 cm	mounded	10-12 cm	250 GE	R64.553E

Ratibida

- **Asteraceae**
- **Ratibida columnifera**
- **Perennial bedding plant or cutflower**
- **Seed count/gram:** 1200
- **Sowing:** Almost year round possible; early sowings are flowering first year. 3 seeds per cel.
- **Germination:** 12-18 days at 18-20°C.
- **Growth temperature:** 14-18°C
- **Voltz advice:** Crop time germination to transplant: 4-8 weeks; transplant to finish 6-10 weeks. 1 plant in 9 cm or 2 plants in 11/12 cm pots.



PULCHERRIMA Red & Yellow

Interesting species for mixed plantings and meadows; also suitable as cutflower. Both, pre-sowing in plugs as well as direct sowing is possible.

Height	Habit	Pot size	Mini.	Code
70 cm	upright	9-12 cm	1g	P60.802

Rhodochiton

- **Scrophulariaceae**
- **Rhodochiton atrosanguineum**
- **Climbing annual**
- **Sowing:** From November to June.
- **Germination:** At 15-20°C, in 14 days.
- **Growth temperature:** Between 12 and 18°C.
- **Voltz advice:** 4 to 5 months growing period in hanging baskets or in pots on a trellis.



RHODOS

Red-violet. Bracts are staying longer on the plant. Climbing plant or for hanging baskets.

Height	Habit	Pot size	Mini.	Code
100 cm	climbing	10-12 cm	50 GC	R65.000GC

Ricinus

- **Euphorbiaceae**
- **Ricinus communis**
- **Annual bedding and pot plant**
- **Seed count/gram:** 2
- **Sowing:** From January to April or direct sowing in sales pot.
- **Germination:** At 20°C, in 14 to 20 days.
- **Growth temperature:** From 12 to 14°C in cold greenhouse.
- **Voltz advice:** Toxic plant. Handle seeds with caution.



BE CAREFUL: POISONOUS SEEDS, KEEP OUT OF REACH OF CHILDREN

These seeds contain ricin, a poisonous substance which can have fatal effects on health or elicit hypersensitivity in case of absorption or direct contact.

It is recommended to wear gloves and avoid any contact with the skin.

1 ▶ **2 CARMENCITA** Yellow flowers. For large beddings and containers.

3 NEW ZEALAND Large deep purple foliage as well as purple stems. Needs a bit higher temperature for germination than other Ricinus.

Height	Habit	Pot size	Mini.	Colour	Code
150 cm	upright	12-19 cm	50 GN	1. Pink	E63.5801
				2. Red (Impala)	E63.6001
150-200 cm	upright	12-15 cm	5g	3. Purple	E63.610

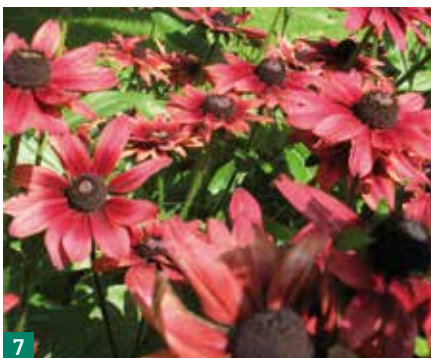
Rudbeckia

- Asteraceae
- Rudbeckia hirta
- Annual for beddings and pot plants and cut flower
- Seed count/gram: 1800
- Sowing: From February to April.
- Germination: At 18-22°C, in 10 to 15 days.

- Growth temperature: Day temperature: 18 to 20°C. Night temperature: 14 to 16°C.
- Voltz advice: Crop time: 14-18 weeks in spring, 12-14 weeks in summer. Additional HID light reduces the crop time. Prefers full sun.



DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code	
1	4 TOTO®	Floriferous and rustic. Well branched. Flower size 5 cm.	20 cm	mounded	11-13 cm	500 GE	1. Mix 3. Lemon	E64.958E E64.954E	2. Gold 4. Rustic	E64.950E E64.962E
5	SONORA	The very large flowers (12-15 cm) and unique colour combination makes Sonora a great impulse item at the retail level and an instant winner in the garden. Dark green foliage.	30-35 cm	upright	13-17 cm	250 GE	E64.946E			
6	AMARILLO FI	Alluring huge flowers on short stems similar to Prairie Sun, but more compact and short flower stems. Very well suited for pots and beddings.	30-35 cm	upright	12-19 cm	250 GE	6. Gold	E64.952GE		





HIGH VARIETIES		Height	Pot size	Mini.	Code	
1	MAYA	Double flowers.	45-50 cm	16-23 cm	250 GE	E64.960E
2	SAHARA	Good heat tolerance; great for cutflower use for direct sales. Flowers are semi double to double. Mix of caramel and soft pink/red blooms.	50 cm	16-23 cm	250 GN	E64.615
3	AUTUMN COLOURS	Flamed colours, very attractive. Single, perfectly round flowers.	50-60 cm	16-23 cm	250 GE	E64.945E
4	<i>hirta</i> GOLDBLOCKS	Semi-double flower with black centre.	50-60 cm	16-23 cm	1 g	E64.800
5	<i>hirta</i> MARMALADE	Single flowers.	50-60 cm	16-23 cm	1 g	E64.900
6	DENVER DAISY	Stand up under extreme weather variations. Extreme heat tolerance. Flower power all summer long.	55-65 cm	16-23 cm	250 GE	E64.710E
7	CHERRY BRANDY	Outstanding garden performance, producing a mass of attractive, cherry-coloured blooms all summer long. Heat and drought tolerant.	60 cm	16-23 cm	250 GN	E64.605
8	CHIM CHIMINEE	Tubular petals. Mix of yellow, bronze and orange shades.	60 cm	16-23 cm	250 GN	E64.840
9	<i>hirta</i> INDIAN SUMMER	Single flower of 12 cm large. Good vaselife.	60 cm	16-23 cm	1 g	E64.850
10	CAPPUCCINO	Tetraploid variety with huge 15 cm diameter, conker coloured blooms; long flowering period; well branched plants.	60-80 cm	16-23 cm	500 GN	E64.949
11	PRAIRIE SUN	Very large flower. Unique colours.	70-80 cm	17-23 cm	250 GE	E64.700E
12	CHEROKEE SUNSET	Semi-double and double flowers of 10 cm diameter. Range of colours from golden yellow to orange and bronze. Vigorous plant with strong and well branched stems.	75 cm	17-23 cm	250 GN	E64.830

Rudbeckia

- Asteraceae
- *Rudbeckia fulgida*
- *Rudbeckia laciniata*
- *Rudbeckia triloba*
- Perennial bedding plant
- Seed count/gram: 1000
- Sowing: From March to June.
- Germination: In 14-20 days, at 18-22°C.
- Growth temperature: From 10 to 16°C.



	Height	Habit	Pot size	Mini.	Colour	
1 <i>fulgida</i> GOLDSTURM	Large flowers. Vernalization. Flowering time: July to October	70 cm	upright	13-16 cm	1 g	P63.500
2 <i>fulgida</i> GOLDBLITZ	Will flower fully as an annual crop if sown in early spring in natural conditions.	60-70 cm	upright	11-16 cm	250 GFC	P63.502GFC
3 <i>triloba</i> PRAIRIE GLOW	Beautiful display of true indian summer and autumn colours: Yellow with large red eye, changing colour to orange-red and bronze. Flower stems with lot of side branches. Flowering time: July-October	90-100 cm	upright	-	250 GN	E64.7051
4 <i>laciniata</i> LIGHT YELLOW	Known as «Cutleaf»-coneflower. Flowering August-September.	130-150 cm	upright	-	0,5 g	P63.501

Rumex 21

- Polygonaceae
- Rumex sanguineus
- Perennial bedding plant
- Seed count/gram: 3 500
- Sowing: From January to March.
- Germination: 10-14 days at 20°C.



BLOODY DOCK

Dark green foliage with bright red veins, giving a beautiful contrast in flower beds. Heat-resistant. Place in the full sun.

Height	Habit	Pot size	Mini.	Code
35 cm	upright	10-12 cm	1 g	E65.000

Sagina 21

- Caryophyllaceae
- Sagina subulata
- Perennial for flower beds and rock gardens
- Sowing: From March to June.
- Germination: From 18 to 20°C.
- Growth temperature: From 16 to 18°C.



SUBULATA

White. Ground-cover plant with green tufts and small flowers. Flowering time: June to July.

Height	Habit	Pot size	Mini.	Code
5 cm	trailing	9-10 cm	1000 GN	P64.5001

Salvia argentea 21

- Lamiaceae
- Salvia argentea
- Perennial bedding plant
- Sowing: From April to May. Sow 2 seeds per cell.
- Germination: At 20°C, in 2 to 3 weeks. Cover lightly the seeds.
- Growth temperature: Between 12 and 14°C.

ARTEMIS

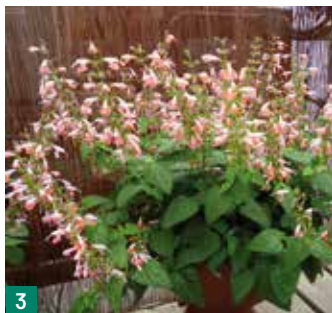
Plants of this species are grown primarily for their large, woolly leaves and not for their flowers. In the first year, 'Artemis' features a large rosette of soft, broad oval, downy, silver-gray leaves.

Height	Habit	Pot size	Mini.	Code
60 cm	mounded	9-12 cm	250 GN	P65.0001



Salvia coccinea 21

- Lamiaceae
- Salvia coccinea
- Annual for beddings and pot plant
- Sowing: From January to March.
- Germination: At 20°C, in 7 to 14 days.
- Growth temperature: Between 15 and 18°C.
- VOLT advice: 3 months cultivation. Pinching can replace growth regulators but delays flowering.



1 FOREST FIRE Contrasting brown black stems.

2 ▶ 5 SUMMER JEWEL Early series with good branching habit. Large flowers. Continuous flowering. This dwarf sized, compact plant has a prolific bloom count throughout the growing season. Commercial growers will appreciate the earliness, excellent pack performance and uniformity.

Height	Habit	Pot size	Mini.	Colour	Code
40-60 cm	upright	10-13 cm	500 GN		E66.8501
				2. Lavender	E66.866
				3. Pink	E66.862
				4. Red	E66.860
				5. White	E66.864

Salvia farinacea



- **Lamiaceae**
- **Salvia farinacea**
- **Annual bedding plant**
- **Seed count/gram:** 900
- **Sowing:** From December to April.
- **Germination:** At 20°C, in 12 to 20 days.
- **Growth temperature:** Between 15 and 18°C.
- **Voltz advice:** Do not place in final container too early: sensitive to frost.



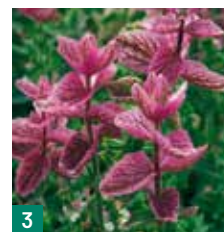
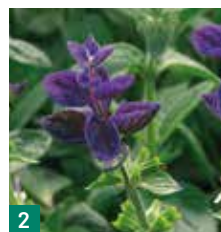
DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code
1	CIRRUS	Deep green foliage. Both spike and blooms are silvery-white.	30 cm	upright	10-13 cm	500 GN	1. White E67.2481
2	STRATA	Green foliage. Compact habit. Early.	30 cm	upright	10-13 cm	500 GN	2. Blue/White E67.2441
3	MIDI	Mid-green foliage. Excellent performance in flower beds.	35 cm	upright	9-13 cm	1 g	3. True Blue E67.240
4	▶ 5 EVOLUTION®	Compact branched habit. The dark green foliage contrasts with the white flower.	45 cm	upright	10-13 cm	500 GN	4. Violet E67.210 5. White E67.205
6	FAIRY QUEEN	Panicles in unique colours. Excellent performance from summer to first frosts.	45 cm	upright	10-13 cm	500 GN	6. Blue E67.215



HIGH VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code
1	▶ 2 VICTORIA	Green foliage. Flowering all summer long. For beddings backgrounds.	50-60 cm	upright	10-12 cm	500 GN 1 g	1. Blue E67.2001 2. White E67.201
3	BIG BLUE F1	Vigorous growing and strong flowering, low-maintenance variety for sales in large pots and containers. Large, sales-inspiring blue spires continuously flowering from end of June to first frost. Attracts bees, butterflies and more. 15-20 days after potting pinch at 4th nodium.	60-90 cm	upright	12-19 cm	100 GN	E67.800
4	BLUE BEDDER / EPIS BLEUS	Same type as Victoria, but higher and more vigorous.	80 cm	upright	10-12 cm	1 g	E67.400

Salvia *horminum*

- **Lamiaceae**
- **Salvia horminum**
- **Annual bedding plant**
- **Sowing:**
From March to April.
- **Germination:**
At 18°C, in 12 to 20 days.
- **Growth temperature:**
Between 15 and 18°C.
- **Voltz advice:**
2 to 3 months cultivation. Do not place in final container too early; sensitive to frost.



1 ▶ 4 MARBLE ARCHE

The colourful floral bracts have a long life period. Surprisingly attractive for beneficial insects.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
40 cm	upright	9-12 cm	1000 GN	1. Mix	E67.6901	2. Blue	E67.6001
				3. Rose	E67.6401	4. White	E67.6801

Salvia

- **Lamiaceae**
- **Salvia canariensis**
- **Salvia nemorosa**
- **Salvia patens**
- **Salvia roemeriana**
- **Salvia sclarea**
- **Perennial for bedding and pot plant**
- **Seed count/gram:**
120
(S. roemeriana: 500)
- **Sowing:**
Sowing from March to June.
- **Germination:**
At 18-20°C.
- **Growth temperature:**
In the beginning, between 14 and 18°C then lower to 10-12°C.
- **Voltz advice:**
3 to 4 months cultivation. Container cultivation is possible for big varieties.



1 ▶ 2 *nemorosa* NEW DIMENSION™

Well branched plant. Homogeneous habit between the two colours. Flowering time: June to August.

Height	Habit	Pot size	Mini.	Colour	Code
25 cm	upright	11-13 cm	250 GFC	1. Blue	P68.650GFC
				2. Rose	P68.660GFC

3 ▶ 4 *patens* PATIO

Compact and well branched plant. Flowers until first frosts. Flowering time: June to October.

Height	Habit	Pot size	Mini.	Colour	Code
30 cm	upright	9-11 cm	100 GN	3. Deep Blue	P65.110
				4. Sky Blue	P65.112

5 *patens* BLUE ANGEL

Perennial in protected location which flowers from the first year. Flowering time: June to October.

Height	Habit	Pot size	Mini.	Colour	Code
70 cm	upright	10-13 cm	1g		P65.100

6 SCLAREA

Very ornamental biennial. Flowering time: June to July.

Height	Habit	Pot size	Mini.	Colour	Code
100 cm	upright	13-16 cm	250 GN	6. Lilac	P65.3001

7 *roemeriana* HOT TRUMPETS

No vernalization required for flowering the first year.

Height	Habit	Pot size	Mini.	Colour	Code
30-35 cm	upright	13-17 cm	250 GN	7. Red	P65.250

8 *canariensis* LANCELOT

Very beautiful sage with silvery foliage and large, deep purple flower umbels. Very attractive to bees and pollinators.

Height	Habit	Pot size	Mini.	Colour	Code
60-80 cm	upright	13-15 cm	100 GN		E66.700

Salvia splendens

- **Lamiaceae**
- **Salvia splendens**
- **Annual bedding plant**
- **Sowing:** From January to March.
- **Germination:** At 22°C, in 7 to 14 days.
- **Growth temperature:** Between 15 and 18°C.



		Height	Day length sensitivity	Pot size	Mini.	Colour	Code	Colour	Code	
1	REDDY	Early and compact. Perfect for packs.	10-15 cm	no	pack, 9-10 cm	500 GN	1. Mix	E68.037		
2	SENTRY	Compact & early type with excellent garden performance. Intense red and very dense flower spike. Dark green broad heart shaped leaf.	10-15 cm	no	9-10 cm, pack	500 GC	2. Red	E68.115GC		
3	MOJAVE	Compact plant with excellent performance in bedding. Excellent tolerance to high temperatures. Dark green foliage.	25 cm	no	9 cm, pack	500 GC	3. Red	E68.530GC		
4 ▶ 10	VISTA	Dark green foliage. Excellent behaviour in beddings. 5-7 days flowering window across the colours.	25 cm	yes	9-10 cm, pack	500 GN	4. Mix	E68.524	5. Lavender	E68.514
6. Purple							E68.516	7. Red	E68.512	
8. Red & White							E68.520	9. Salmon	E68.518	
10. White							E68.522			
11 ▶ 12	LIGHTHOUSE	Tall, bush, heat-resistant plants ideal for low-maintenance landscaping use. Also good in large patio containers.	50-60 cm	yes	10,5-13 cm	500 GN	11. Purple	E68.135	12. Scarlet	E68.130
										

Sanvitalia

- Asteraceae
- *Sanvitalia speciosa*
- Annual bedding and pot plant
- Seed count/gram: 980

■ **Sowing:**
Under greenhouse conditions from March. Direct sowing in place from April.

■ **Germination:**
Between 15 and 18°C, in 7 to 14 days.

■ **Growth temperature:**
Between 14 and 18°C at the beginning of cultivation, then at 12-15°C.

■ **Voltz advice:**
12-14 weeks cultivation. For baskets 14-18 weeks. Direct sowing in 9 to 10 cm pots is possible.

MILLION SUNS

Excellent basal branching and compactness, long flowering period impressing from May to the first frosts. Golden yellow, single, 1 cm diameter flowers.

Height	Habit	Pot size	Mini.	Code
16-20 cm	mounded	9-11 cm	100 GN	E70.030



Saponaria

- Caryophyllaceae
- *Saponaria vaccaria*
- Perennial bedding plant
- Seed count/gram: 200

■ **Sowing:**
From April to July.

■ **Germination:**
At 18°C.

■ **Growth temperature:**
About 15°C.



1 ROSABELLA

Many flowers. Upright habit. Direct sowing.

2 WHITE

Many flowers. Upright habit. Direct sowing.

Height	Habit	Pot size	Mini.	Code
60 cm	upright	9-10 cm	10 g	D58.000
60 cm	upright	9-10 cm	10 g	D58.100

Saxifraga

- Saxifragaceae
- *Saxifraga x arendsii*
- Perennial for rock gardens

■ **Sowing:**
From March to June.

■ **Germination:**
Between 16 and 20°C.

■ **Growth temperature:**
Between 10 and 14°C.



1 > 3 CARPET

For spring sales. Flowering time: April to May.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
20 cm	mounded ground-covering	8-10 cm	1000 GN	1. Pink	P67.5001	2. Purple	P67.6001
				3. White	P67.7001		


Scabiosa 24

- Dipsacaceae
- Scabiosa caucasica
- Scabiosa columbaria
- Perennial bedding plant and cut flower

- **Seed count/gram:**
S. caucasica: 60; S. columbaria: 900
- **Sowing:**
In place, from March to June.
- **Germination:**
At 18-20°C, in 7 to 14 days.

- **Growth temperature:**
Between 8 and 10°C.
- **Voltz advice:**
5 months cultivation (until flowering). Plants are highly sensitive to humidity. Feed with a low-concentrated potassium and phosphate fertilizer.



	Height	Habit	Pot size	Mini.	Colour	Code
1 <i>columbaria</i> BLUE NOTE	20-25 cm	mounded	10-13 cm	250 GN		P69.320
2 ▶ 3 <i>caucasica</i> FAMA 	60 cm	upright	11-15 cm	100 GFC	2. Deep Blue 3. White	P68.802GFC P68.804GFC

Scabiosa

- Dipsacaceae
- Scabiosa stellata
- Scabiosa atropurpurea
- Annual cut flower

- **Seed count/gram:**
S. atropurpurea: 400; S. stellata: 35
- **Sowing:**
From April to May.
- **Germination:**
At 18°C, in 7 to 14 days.

- **Growth temperature:**
Between 8 and 10°C.
- **Voltz advice:**
Feed with a low-concentrated potassium and phosphate fertilizer.



	Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 <i>stellata</i> SATELLITE	60 cm	upright	9 cm	5 g		D59.000		
2 ▶ 8 <i>atropurpurea</i> QIS	80-90 cm	upright	10-13 cm	5 g			2. Mix 4. Deep Red 6. Salmon Pink 8. White	D59.130D D59.122D D59.126D D59.128D
							3. Dark Blue 5. Purple 7. Scarlet	D59.120D D59.115D D59.124D

Sedum 21

■ Crassulaceae

- Sedum acre
- Sedum album
- Sedum forsterianum
- Sedum reflexum
- Sedum spurium

■ Ground-cover perennial

■ Seed count/gram:
20 000

■ Sowing:
From March to June.

■ Germination:
At 16-20°C.

■ Growth temperature:
Between 8 and 15°C.

■ Voltz advice:
Cold and drought-resistant variety. Avoid humid locations and excessive watering, especially in winter. Requires only a few soil.



		Height	Habit	Pot size	Mini.	Colour	Code
1	ACRE	6 cm	mounded	9 cm	5 000 GN	1. Yellow	P70.005
2	ALBUM	10 cm	trailing	9 cm	5 000 GN	2. White	P70.1201
3	REFLEXUM	25 cm	trailing	9 cm	5 000 GN	3. Yellow Gold	P70.2001
4	<small>spurium</small> COCCINEUM	15 cm	trailing	9-10 cm	5 000 GN	4. Deep Rose	P70.4001
5	<small>spurium</small> VOODOO	15 cm	mounded	9-13 cm	500 GE	5. Deep Red	P70.450E
6	<small>forsterianum</small> ORACLE	15 cm	trailing	9-13 cm	500 GE		P70.160E
7	MIX	20 cm	trailing	9 cm	1 g		P70.500

Sempervivum 21

■ Crassulaceae

■ Sempervivum

■ Perennial for rock gardens

■ Sowing:

January-March for green pots;
June-Aug for flowering in pots
the following year.
1 pellet/cel. Cover seeds lightly.

■ Germination:

At 20-22°C in 14-25 days.

■ Growth temperature:

Between 15 and 18°C.

■ Voltz advice:

Resists to cold weather and to
drought. Avoid humid location
(especially in Winter) and

excessive watering. Do not
need a very large container.
According to some legends,
folk Houseleek installed on
the roof or the entrance wall,
protects the house from
lightning.

HIPPIE CHICKS Mix

Mix of varieties and colours of evergreen, wintergardy plants with succulent leaf rosettes. For rock garden, dry stone walls, extensive roof planting as well as for graves or as indoor pot plant. Attract bees when in flower.

Pre-germinated pellets for easy sowing and germination!

Height	Pot size	Mini.	Code
5-12 cm	9-15 cm	1000 GE	P70.000E



Senecio (Pericallis) ☺

- **Asteraceae**
- **Senecio cruentus**
- **Biennial for pot plant**
- **Seed count/gram:** 4 000
- **Sowing:** From July to September according to the desired plant size.
- **Germination:** At 18-20°C, in 8 to 10 days.
- **Growth temperature:** Between 10 and 12°C.
- **Voltz advice:** For a flowering in January-February, expose early seedlings to cold at 6°C for 3 weeks. Overwinter plants frost-free at 8-10°C. Avoid temperatures higher than 14-15°C, risk of elongated internodes.



1 STARWARS Compact and vigorous. Ball-shaped habit. Many colours.

2 ROYALTY Mid-early. Large umbels. Complete mix of pure and bicolor colours with an exceptional range of colours, like sky blue, cherry red and lilac with eye.

Height	Habit	Pot size	Mini.	Colour	Code
20 cm	mounded	10-13 cm	100 GN	1. Mix	R14.500
30 cm	mounded	14 cm and more	250 GN	2. Total Mix	R14.375
			250 GE	2. Total Mix	R14.375E

Silene 2

- **Caryophyllaceae**
- **Silene pendula**
- **Perennial for rock gardens**
- **Seed count/gram:** 1 000
- **Sowing:** From March to July.
- **Germination:** At 18-22°C.
- **Growth temperature:** Between 12 and 16°C.



1 ▶ 4 SIBELLA Strong plants, covered with plenty of 2 cm sized, semi-double flowers. Versatile sales possibilities! Large pots and containers, baskets or as groundcover. For sales in spring, early summer, or in autumn.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
30 cm	trailing	15-16 cm	250 GN	1. Carmine	P73.010	2. Lilac	P73.012
				3. Pink	P73.016	4. White	P73.014

Solanum ☺

- **Solanaceae**
- **Solanum capsicastrum**
- **Annual for pot plant**
- **Sowing:** From December to March.
- **Germination:** At 22°C, in 14 to 20 days.
- **Growth temperature:** 15 to 18°C at the beginning then 10 to 12°C in the final stages.
- **Voltz advice:** 20 weeks cultivation minimum. Fruits of Solanum are toxic. Do not grow in 'waterproof' greenhouses. Requires the presence of pollinating insects for an optimum fruit-setting.



THURINO

Round red-orange fruits. Compact and branched plant. Ripens from light green to bright orange. 20-22 weeks from potting to sale.

Height	Habit	Pot size	Mini.	Code
18-25 cm	mounded	11-15 cm	250 GN	R66.7041

Solidago 2 ☺

- **Asteraceae**
- **Solidago canadensis**
- **Perennial for beddings and cut flower**
- **Seed count/gram:** 15 000
- **Sowing:** From March to May.
- **Germination:** At 22°C.
- **Growth temperature:** Between 12 and 15°C.
- **Voltz advice:** Be careful to well surround the plant as it is very invasive and can invade our riverbanks. It is then considered as a pest plant.



GOLDKIND

Plant for borders and for use as cut-flower. Flowering time: July to September.

Height	Habit	Pot size	Mini.	Code
70 cm	upright	11-13 cm	1 g	P76.500

Spilanthes



- **Asteraceae**
- **Spilanthes oleracea**
- **Annual for flower beds and hanging baskets**
- **Sowing:**
From February to March.
- **Germination:**
At 18-20°C, in 12 to 14 days.
- **Growth temperature:**
Between 16 and 18°C.
- **Voltz advice:**
Leaves and flowers have a strong peppery flavor. 1 to 2 months cultivation. Pinching encourages branching.



PEEK A BOO

Yellow with purple centre. Pompon-shaped of 2,5 cm flower. Green purple foliage. Vigorous plant with trailing habit. For 10-12 cm pot or 3 plants in a 25 cm basket.

Height	Habit	Pot size	Mini.	Code
30 cm	trailing	11-14 cm, baskets	100 GFC	E72.600GFC

Stachys



- **Lamiaceae**
- **Stachys byzantina**
- **Perennial for beddings and rock garden**
- **Sowing:**
March-August
- **Germination:**
20°C.



BYZANTINA (OLYMPICA)

White wooly leaves, lilac flowers July-September. Sunny-semi shade location.

Height	Habit	Pot size	Mini.	Code
40 cm	upright	10-11 cm	500 GN	P77.002

Stevia



- **Asteraceae**
- **Stevia rebaudiana**
- **Annual**
- **Sowing:**
In February-March.
- **Germination:**
At 20-30°C, in 7 to 14 days. Lightgerminator!
- **Growth temperature:**
20°C the day, 12°C the night. Do not cultivate at temperatures lower than 10°C.



SWEET HONEY

Very flavourful and tasty selection of the famous candyleaf. Growing scheme comparable with basil.

Height	Habit	Pot size	Mini.	Code
15-25 cm	upright	10-12 cm	100 GN	E94.100KA

Talinum



- **Portulacaceae**
- **Talinum paniculatum**
- **Annual bedding and pot plant**
- **Sowing:**
In February-March.
- **Germination:**
In 5 to 7 days, at 20-24°C. Cover seeds with a fine vermiculite layer.
- **Growth temperature:**
Between 19 and 23°C the day, between 17 and 19°C the night.



LIMON

Very resistant to heat and drought. Bright lemon green foliage. Easy cultivation.

Height	Habit	Pot size	Mini.	Code
80 cm	upright	10-12 cm	100 GN	D64.005





Tagetes erecta

- **Asteraceae**
- **Tagetes erecta**
- **Annual bedding and pot plant**
- **Seed count/gram:**
350
- **Sowing:**
In January-February for sales in May. Direct sowing outdoor from mid May to end of May.
- **Germination:**
At 18-22°C, in 10 to 14 days. Cover seeds slightly.
- **Growth temperature:**
Between 12 and 18°C.
- **Voltz advice:**
10 to 12 weeks cultivation. Tagetes erecta is day-length sensitive.

TAISHAN® F1

- Compact and branched habit
- Large double flowers
- Excellent performances in beddings all season long



	Height	Potsize	Mini.	Colour	Code	Colour	Code
1 ▶ 4 TAISHAN® F1	25-30 cm	9-11 cm, pack	250 GN	1. Mix	E72.828D	2. Gold	E72.820D
				3. Orange	E72.822D	4. Yellow	E72.824D
5 ▶ 8 MARVEL II F1 	45 cm	10-11 cm	250 GN	1. Mix	E72.828GFC	2. Gold	E72.820GFC
				3. Orange	E72.822GFC	4. Yellow	E72.824GFC
9 WHITEGOLD F1 MINI	16-18 cm	9-11 cm	250 GN	5. Mix	E73.605D	6. Gold	E73.604D
10 WHITEGOLD F1 MAXI 	25-30 cm	10,5-12 cm	250 GN	7. Orange	E73.602D	8. Yellow	E73.603D
11 XOCHI® F1 	60-90 cm	-	250 GFC	9. White	E79.001D		
12 IMPERIALE 	70-90 cm	11-13 cm	1g	10. White	E79.002D		
				11. Orange	E73.100GFC		
				12. Ivory	D59.975		

Tagetes patula

- **Asteraceae**
- **Tagetes patula**
- **Tagetes tenuifolia**
- **Annual bedding plant**
- **Seed count/gram:**
T. patula: 300; T. signata: 1000
- **Sowing:**
From January to April.

- **Germination:**
Between 18 and 22°C, in 10 to 14 days.
- **Growth temperature:**
Between 12 and 16°C.
- **Voltz advice:**
2 to 3 months growth. Highly sensitive to cold temperatures and to frost. Too low temperatures at night can affect first flowering quality. If pH is too low, there is risk of chlorosis.



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TAGETES PATULA SCABIOUS-TYPE

1 > 8 BONANZA

Large double crested flowers. Very early flowering series with a tight flowering window. Uniform with excellent performance in packs and garden.

Height	Pot size	Mini.	Colour	Code	Colour	Code
20 cm	9 cm, pack	500 GN	1. Mix	E77.240D	2. Bee	E77.110D
			3. Bolero	E77.112D	4. Deep Orange	E77.140D
			5. Flame	E77.114D	6. Gold	E77.115D
			7. Harmony	E77.116D	8. Yellow	E77.113D
20-25 cm	9-10 cm	1000 GFC	1. Mix	E77.240GFC	2. Bee	E77.110GFC
			3. Bolero	E77.112GFC	4. Deep Orange	E77.140GFC
			5. Flame	E77.114GFC	6. Gold	E77.115GFC
			7. Harmony	E77.116GFC	8. Yellow	E77.113GFC

9 FLAMENCO

Unique pattern with yellow centre and red-tipped petals; more yellow parts than 'Bolero'. Flowers 3-4 days later than 'Bonanza'.

10 STRAWBERRY BLONDE







Completely new, never seen before look of french marigolds; puts multicolour blooms on the same plant, depending on season and temperature.

11 FIREBALL

Completely new, never seen before look of french marigolds; puts multicolour blooms on the same plant, depending on season and temperature.

20 cm	9 cm, pack	500 GN	9. Mix	E77.105D
		1000 GFC	9. Mix	E77.105GFC
20-25 cm	9-10 cm	1000 GFC	10. Mix	E77.142D
		500 GN	10. Mix	E77.142GFC
25-30 cm	9-11 cm	500 GN	11. Mix	E77.100D
		1000 GFC	11. Mix	E77.100GFC



TAGETES PATULA DOUBLE FLOWERS WITH FLAT PETALS		Height	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 9 DURANGO® 	Very large plant with anemone-type flowers. Homogeneous series. Excellent branching for more blooms and strong stems.	25 cm	9-10 cm, pack	500 GN	1. Mix	E80.950D	2. Bee	E80.944D
					3. Bolero	E80.948D	4. Flame	E80.943D
					5. Gold	E80.941D	6. Orange	E80.949D
					7. Red	E80.946D	8. Tangerine	E80.945D
					9. Yellow	E80.947D		
					1. Mix	E80.950GFC	2. Bee	E80.944GFC
					3. Bolero	E80.948GFC	4. Flame	E80.943GFC
					5. Gold	E80.941GFC	6. Orange	E80.949GFC
					7. Red	E80.946GFC	8. Tangerine	E80.945GFC
	9. Yellow	E80.947GFC						
10 SAFARI 	Extra large double and flat flowers. Uniform in habit and flowering time.	25 cm	9-10 cm	500 GN	10. Yellow Fire	E81.608D		
				1000 GFC	10. Yellow Fire	E81.608GFC		
11 RED KNIGHT 	Top performing single flowered marigold offering an excellent display in flower bed as well as in containers. Proven and adapted in North European conditions.	20-25 cm	11-16 cm	500 GN		E78.720		
12 GOLDILUXE 	Vigorous plants with stunning garden performance producing masses of enchanting bicolor flowers.	25-30 cm	11-16 cm	500 GN		E78.710		
13 DWARF SINGLE GOLD 	The single, golden yellow flowers appear in large numbers throughout the summer. For bedding and border planting, very attractive for insects as well as for the human eye.	25-35 cm		500 GN	13. Single Gold	E77.260B		
14 FIREBIRD 	Masses of 4 cm anemone-like flowers providing an outstanding summer-long display. For cottage garden or with one plant in a 30 cm diameter pot.	30-35 cm	13-16 cm 30 cm container	500 GN		E78.700		

Tagetes patula ☉



TAGETES PATULA WITH SINGLE FLOWERS		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 2	ALUMIA	20 cm	mounded	9 cm, pack	250 GFC	1. <i>Crème Brûlée</i>	E80.882GFC	2. <i>Vanilla Cream</i>	E80.880GFC
3	BAMBINO	20 cm	mounded	9-11 cm	1000 GN	3. <i>Orange</i>	E83.305D		
4	MR. MAJESTIC	30 cm	mounded	9-11 cm	500 GN		E83.300D		
5 ▶ 10	DISCO	20 cm	mounded	9 cm, pack	500 GN	5. <i>Mix</i>	E82.802D	6. <i>Granada</i>	E82.200D
						7. <i>Marietta</i>	E82.605D	8. <i>Orange</i>	E82.800D
						9. <i>Red</i>	E82.796D	10. <i>Yellow</i>	E82.610D



TAGETES PATULA TRIPOID		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 4	ENDURANCE F1	22-25 cm	mounded	10-12 cm	500 GFC	1. <i>Formula Mix</i>	E84.520 GFC	2. <i>Orange</i>	E84.526GFC
						3. <i>Sunset Gold</i>	E84.524GFC	4. <i>Yellow</i>	E84.522GFC
5 ▶ 7	ZENITH F1	30 cm	mounded	10-11 cm	500 GFC	5. <i>Mix</i>	E84.502GFC	6. <i>Lemon Yellow</i>	E84.460GFC
						7. <i>Red</i>	E84.430GFC		

Tagetes tenuifolia



	Height	Habit	Pot size	Mini.	Colour	Code
1 <small>sign. pum.</small> GNOM	25 cm	mounded	9-10 cm, pack	1 g	1. Gold	E85.000
2 <small>sign. pum.</small> LULU	25 cm	mounded	9-10 cm, pack	1 g	2. Yellow	E85.100
3 <small>sign. pum.</small> RED CARPET	25 cm	mounded	9-10 cm, pack	1 g	3. Red	E85.220
4 <small>sign. pum.</small> TANGERINE	25 cm	mounded	9-10 cm, pack	1 g	4. Orange	E85.050
5 <small>sign. pum.</small> STARFIRE	25 cm	mounded	9-10 cm, pack	1 g	5. Mix	E85.240

Tanacetum (Pyrethrum)

- Asteraceae
- Tanacetum coccineum
- Perennial bedding plant and cut flower
- Seed count/gram: 400
- Sowing: From March to June.
- Germination: At 22°C.
- Growth temperature: Between 14 and 16°C.
- VOLTZ advice: Cutting back of stems after flowering encourages new flowering in the fall. Replace the plants every 2 years.

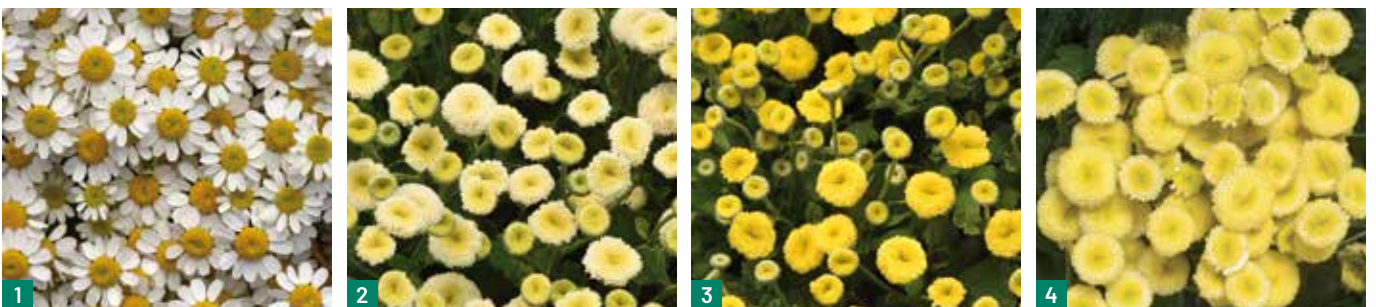


	Height	Habit	Mini.	Colour	Code	Colour	Code
1 ▶ 3 ROBINSON	80 cm	upright	1 g	1. Mix	P59.700	2. Red	P59.760
				3. Roseum	P59.840		

Large single flowers. Flowering time: July-September.

Tanacetum (Matricaria)

- Asteraceae
- Tanacetum parthenium
- Annual for cut flower
- Sowing: All year long according to production objectives.
- Germination: At 18-20°C.
- Growth temperature: Between 16 and 18°C.



	Height	Habit	Mini.	Colour	Code	Colour	Code
1 ▶ 4 VEGMO	70-90 cm	upright	1 000 GE	1. Single White	D46.060E	2. Snowball Extra	D46.062E
				3. Sunny Ball Gold	D46.064E	4. Yellow	D46.066E

Ideal as cut-flower and for combined plantings. Needs long days for an optimum flowering. Strong stems.

Thunbergia

- **Acanthaceae**
- **Thunbergia alata**
- **Climbing annual**
- **Seed count/gram:** 40

■ **Sowing:**
In February-March.
Sow directly 4-5 seeds per pot.

- **Germination:**
At 18-22°C (soil temperature) in 10-14 days.
- **Growth temperature:**
Between 12 and 15°C.
- **Voltz advice:**
2,5 to 3,5 months crop time depending on pot size. One time pinching results in better branching. The plants need sticks to climb on.



Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
150 cm	climbing	11-13 cm	100 GN	1. Mix / Eye 3. White / Eye	R67.1001 R67.0801	2. Orange / Eye 4. Yellow / Eye	R67.0601 R67.0001
200 cm	climbing	11-13 cm	1 g	5. Mix	R67.1051		

1 ▶ 4 SUSIE

Well-branching, fast growing and rich flowering series with bright colours.

5 AFRICAN SUNSET

Unique sunset shades of red, apricot, buff with dark burgundy eyes. Deep green foliage, good self-climbing plant. Also producible with 3-5 plants in a 16 to 19 cm pot.

Thymophylla

- **Asteraceae**
- **Thymophylla tenuiloba**
- **Annual for flower beds, pot plants and hanging baskets**
- **Seed count/gram:** 7 000

- **Sowing:**
From February to April.
- **Germination:**
At 18-20°C, in 10 to 15 days.
- **Growth temperature:**
Between 14 and 17°C.
13-16 weeks cultivation.

YELLOW CARPET

Yellow. Small flowers of Daisy-type. For flower beds and hanging baskets.

Height	Habit	Pot size	Mini.	Code
15 cm	mounded/ cushion	9-10,5 cm	1 g	E86.800



Tithonia

- **Asteraceae**
- **Tithonia rotundifolia**
- **Annual for beddings or cut flower**
- **Seed count/gram:** 100

- **Sowing:**
From February to April.
- **Germination:**
At 18-22°C in 7-10 days.
- **Growth temperature:**
Between 12 and 16°C. Not below 10°C.
12 to 15 weeks cultivation.



1 FIESTA DEL SOL

Heat tolerant, attractive bedding plant for containers and borders.

2 GOLDFINGER

Large tufted plant with large flowers. For flower-beds and cutflower production (10-12 plants/m²).

Height	Habit	Pot size	Mini.	Code
60-75 cm	upright	11-16 cm	250 GN	E87.5001
80 cm	upright	16-19 cm	5 g	D65.000

Trachelium


- Campanulaceae
- **Trachelium caeruleum**
- Annual bedding plant and cutflower
- **Sowing:**
From September to March.
Light germinator.
- **Germination:**
At 20-22°C, in 7 to 12 days.

- **Growth temperature:**
For culture in autumn and winter : 11-13°C. Culture in spring : 15-18°C. Culture end of spring and summer: 15-25°C.
- **Voltz advice:**
Depending on season 4,5- 7 months from sowing to flower. For cutflower production outdoor plant distance of 15 x 15 cm. In northern Europe also greenhouse production possible. Long day plant: for flowering in May give 14-16 hours additional HID light.



DWARF VARIETY		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1	▶ 2	30 cm	mounded	10-13 cm	250 GE	1. Violet	E87.900E	2. White	E87.905E
PASSION								Excellent behaviour in flower beds and larger pots.	



HIGH VARIETY TO CUT 		Height	Habit	Mini.	Colour	Code	Colour	Code		
1	▶ 3	70-90 cm	upright	250 GE	1. Blue	D67.251E	2. Purple	D67.253E		
LAKE MICHIGAN					Summer-flowering series. Latest to flower, this group 4 series has the greatest tolerance for high heat and high light of the Lake Collection. Transplant in late spring through summer for summer through early autumn flowering.		3. White	D67.255E		

Torenia

- Scrophulariaceae
- **Torenia fournieri**
- Perennial cultivated as an annual for flower beds and pot plant
- **Sowing:**
From February to April for sales from May to July.

- **Germination:**
In 4 to 6 days, at 20-22°C. Do not cover seeds, needs light to germinate.
- **Growth temperature:**
Between 18 and 21°C the day, between 16 and 18°C the night.

- **Voltz advice:**
3 to 4 months cultivation in pot size of 10-12 cm. Resist to temperatures until 5°C, but without humidity.



KAUAI F1 Mix

Easier to grow and to manage on the bench than previous varieties: grows about 5 cm shorter in average, more uniform, better branching, better and more vivid colour range, improved flower window (7-9 days). Superior performance in extreme heat and humidity.

Height	Habit	Pot size	Mini.	Code
20 cm	mounded	9-12 cm	500 GE	R67.668E

Tradescantia

- Commelinaceae
- **Tradescantia x andersoniana**
- Perennial bedding plant
- **Sowing:**
From March to June.

- **Germination:**
At 20-22°C.
- **Growth temperature:**
15 to 19°C.
16 to 18 weeks cultivation.



ANDERSONIANA Blue

Red and blue shades. Flowers are closing up when it's raining. Flowering time: June to September.

Height	Habit	Pot size	Mini.	Code
70 cm	upright	9-11 cm	250 GN	P83.5002

Tritoma

■ Asphodelaceae

■ *Kniphofia hirsuta*

■ *Kniphofia uvaria*

■ Perennial bedding plant and cut flower

■ Sowing:

For annual crop flowering in summer: November to March. For biennial culture: June to August. Use 2 to 3 seeds per cell.

■ Germination:

3 to 6 weeks at 18-20°C. Light improves germination.

■ Growth temperature:

Between 14 and 16°C. 11 to 18 weeks cultivation.

■ Voltz advice:

Grow at high light level. Avoid too high humidity. In winter keep soil dry. Sowings in January flower the first year.



1 *hirsuta* FIRE DANCE

Most winterhardy *Kniphofia*; starts flowering orange red turning to yellow.

Height	Habit	Pot size	Mini.	Code
45-50 cm	upright	11-13 cm	250 GP	P14.450GP
80 cm	upright	11-13 cm	250 GN	P14.5001

2 *uvaria* ROYAL CASTLE Mix

Mix of red, orange and yellow, early. Flowering time: July to October.

Tropaeolum

■ Tropaeolaceae

■ *Tropaeolum majus*

■ *Tropaeolum peregrinum*

■ Annual bedding and pot plant

■ Seed count/gram:

10

■ Sowing:

Directly sowing in final container, from March to April.

■ Germination:

At 18-20°C within 14-20 days.

■ Growth temperature:

Between 10 and 15°C.

■ Voltz advice:

3 to 4 seeds per pot or pack. Crop time young plants: 4 weeks. Sowing to flower: 10-12 weeks. Very sensitive to black aphids. Flowers are edible when no chemical treatments during cultivation.



SINGLE FLOWERED DWARF VARIETIES

1 > 2 BABY

Bright colours on luscious dark green, medium sized foliage is offering an remarkable colour contrast.

Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
20 cm	mounded	9-13 cm	10 g	1. Deep Rose	E88.608	2. Orange	E88.607
				3. Alaska Mix	E88.609	4. Mix	E88.610
				5. Apricot	E88.611	6. Gold	E88.613
				7. Lemon	E88.616	8. Mahogany	E88.614
				9. Rose	E88.615	10. Scarlet	E88.612

3 > 10 TIP TOP



Dwarf, early, ideal for pack sales. Flowers clearly on top of compact foliage.



SINGLE FLOWERED DWARF VARIETIES		Height	Habit	Pot size	Mini.	Colour	Code	
11	WHIRLYBIRD	Compact, bushy plants flowering well above the foliage with upward facing spurless flowers. The foliage is small and bright green.	25-30 cm	mounded	9-10 cm	10 g	12. Tangerine	E88.512
12	NANUM SINGLE <small>edible flowers use only</small>	Dwarf, non-climbing plants with flowers upon the top, now in BIO quality! Perfect for production of edible flowers and leaves; but also for compos with vegetables and flowers.	25-30 cm	mounded	9-12 cm	25 g	13. Mix	E88.2001B
13	EMPRESS OF INDIA	Bloody red on dark foliage.	30 cm	mounded	9-12 cm	10 g		E88.140



DOUBLE FLOWERED DWARF VARIETY				
JEWEL <i>Mix</i>				
Abundant semi-double flowers. Non-climbing.				
Height	Habit	Pot size	Mini.	Code
30 cm	mounded	9-12 cm	10 g	E88.300

SINGLE FLOWERED HIGH VARIETIES								
1	DE LOBB 	Vigorous, strongly climbing selection. Requires a climbing frame.	200-300 cm	climbing	13-19 cm	25 g	1. Mix	E88.161
2	PEREGRINUM 	Trailing. Curly flowers. Climbing plant also called 'Canary Creeper'.	250 cm	climbing	10-13 cm	10 g	2. Yellow	E88.600

Verbascum

- Scrophulariaceae
- **Verbascum hybrida**
- **Verbascum chaixii**
- Perennial bedding plant
- **Sowing:** From January to March.
- **Germination:** At 18-20°C. No light required.
- **Growth temperature:** 15 to 19°C. 16 to 18 weeks cultivation.



	Height	Habit	Pot size	Mini.	Code
1 <small>chaixii</small> SNOWY SPIRE	A graceful presence of crisp pure-white florets and red stamina.	30-60 cm	upright	13-16 cm	250 GE P87.100E
2 <small>hybrida</small> SOUTHERN CHARM F1 <i>Mix</i>	Apricot to purple shades. For 15-18 cm pots. Annual cultivation. Daylength neutral.	65 cm	upright	15-18 cm	100 GE P87.370E

Venidium

- Asteraceae
- **Venidium fastuosum**
- Annual bedding plant
- Seed count/gram: 1400
- **Sowing:** From March to May.
- **Germination:** In 10-14 days, at 18-20°C.
- **Growth temperature:** 12 to 13 weeks at 15-18°C.



PRINCE Orange

Ideal for bringing some bright and cheerful colour to summer plantings. With silky foliage, it bears large, bright flowers with a dark black central ring.

Height	Habit	Pot size	Mini.	Code
50-60 cm	upright	10-11 cm	1 g	E88.800


Veronica

- Scrophulariaceae
- **Veronica gentianoides**
- **Veronica longifolia**
- **Veronica spicata**
- Perennial bedding plant and outflower
- **Sowing:** From March to June.
- **Germination:** At 18-20°C, in 15 to 20 days.
- **Growth temperature:** Between 14 and 16°C.



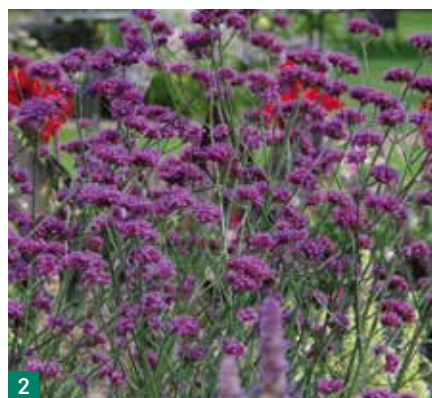
DWARF VARIETIES FOR BEDDINGS AND ROCK GARDEN		Height	Habit	Pot size	Mini.	Colour	Code
1	spicata INCANA	Silvery grey foliage. Flowering time: June to July.	40 cm	upright	9-11 cm	500 GN	1. Blue P88.2001
2	GENTIANOIDES	Bushy. Long floral spikes. Flowering time: May to July.	50 cm	upright	9-11 cm	500 GN	2. Blue P88.7001



HIGH VARIETIES TO CUT 		Height	Habit	Mini.	Colour	Code	Colour	Code
1	▶ 2 SPICATA	High variety with long floral spikes. Flowering time: July to August.	60 cm	upright	500 GN	P88.441	1. Blue	P88.5001
3	▶ 4 LONGIFOLIA	Upright habit. Long floral spikes. Flowering time: June to August.	60 cm	upright	500 GN	P88.2601	3. Blue	4. White P88.2801

Verbena bonariensis

- Verbenaceae
- **Verbena bonariensis**
- Annual bedding plant
- **Sowing:** From February to May.
- **Germination:** At 20-22°C, in 15-20 days. Cover with plastic.
- **Growth temperature:** Between 10 and 16°C.
- **Voltz advice:** 12 to 14 weeks cultivation. We deliver primed seeds for better germination.



	Height	Habit	Pot size	Mini.	Code
1 PURPLE HAZE	Better branched and 20% shorter than standard variety. Therefore also suitable for large pots on balcony and terrace. Reaches a height of 50-60 cm in pot; 70-90 cm when planted out.	70-100 cm	upright	13-16 cm	500 GP P87.8106P
2 BLUE VIOLET	Purple-blue. Hardy stems. For association with other plants. Flowers from July to frost.	100 cm	upright	13-16 cm	500 GP P87.8006P

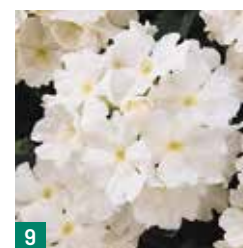
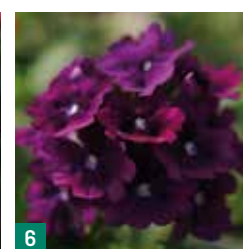
Verbena hybrida ☺

- **Verbenaceae**
- **Verbena hybrida**
- **Annual bedding and pot plant**
- **Sowing:** From January to April.
- **Germination:** At 20-24°C, in 15 to 20 days.
- **Growth temperature:** Between 14 and 16°C. Cultivate as dry as possible.
- **Voltz advice:** 11 to 15 weeks cultivation. After sowing avoid watering: Keep moisture by covering with glass or plastic. Plants supposed for baskets and windowboxes should not be treated with growth regulators.



QUARTZ XP

- Hybrid dwarf variety with huge flowers
- Early and uniform series
- Shorter internodes, better branching, reduced requirement for growth regulator
- Homogeneous between colours
- Large bright umbels and long-lasting flowering
- Excellent qualities in packs and gardens
- Mildew tolerant



		Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code	
1	TUSCANY	Beefy upright plants with large flowers.	20 cm	upright	pack, 10-11 cm	250 GN	1. Mix	E89.890		
2	QUARTZ	Good mildew tolerance. Good branching and reduced internode length.	20 cm	upright	pack, 10 cm	250 GN	2. Blue	E89.340		
3	▶ 9	Early and dwarf variety. Good mildew tolerance. Good branching, reduced internode length.	20-25 cm	upright	pack, 10-11 cm	250 GN	3. Mix	E89.360	4. Bordeaux	E89.347
QUARTZ XP							5. Pink	E89.350	6. Purple	E89.349
							7. Red with Eye	E89.3461	8. Scarlet	E89.3521
							9. White	E89.3561		

Verbena hastata 24

- **Verbenaceae**
- **Verbena hastata**
- **Perennial**
- **Seed count/gram:** 3500
- **Sowing:** From March to June. 1-2 seeds/cell.
- **Germination:** 26°C day/18°C night, in 21-28 days.
- **Growth temperature:** 20°C day/16°C night.

SPIRES

First year flowering; long flowering period; branched flower spikes.

Height	Pot size	Mini.	Colour	Code
100-120 cm	9-11 cm	500 GE	1. Blue	P87.860GP
			2. Pink	P87.862GP
			3. White	P87.861GP



Verbena officinalis 21

- **Verbenaceae**
- **Verbena officinalis**
- **Perennial**
- **Seed count/gram:**
3 300
- **Sowing:**
From September to October.

- **Germination:**
24°C / 5°C / 20°C in 4 to 7 weeks.
Cold germinator.
- **Growth temperature:**
16°C day / 12°C night.



var. grandiflora **BAMPTON**

Well branching; decorative, purple-red foliage; plenty of small flowers.

Height	Habit	Pot size	Mini.	Code
40-80 cm	upright	9 cm square 11-12 cm	500 GN	E89.1001

Verbena rigida

- **Verbenaceae**
- **Verbena rigida**
- **Annual bedding plant**

- **Sowing:**
From February to May.
- **Germination:**
At 18-20°C, in 10-14 days.

- **Growth temperature:**
Between 10 and 16°C.

- **Voltz advice:**
15 to 18 weeks cultivation. After sowing avoid watering: Keep moisture by covering with glass or plastic.



1 SANTOS First year flowering perennial. One of the best tough and long-lasting landscape perennials available - very heat and drought tolerant, plus exceptional performance in cool climates.

2 POLARIS Smart, exclusive, mildew resistant Verbena. High demand for mixed flower beds and borders. Can survive temperatures around 0°C but not fully winterhardy.

Height	Habit	Pot size	Mini.	Colour	Code
--------	-------	----------	-------	--------	------

30 cm	mounded	10,5-13 cm	250 GP	1. Purple	E90.310GP
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30 cm	carpet-mounded	9-10,5 cm	250 GP	2. Blue	E90.300GP
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Verbena speciosa

- **Verbenaceae**
- **Verbena speciosa (x hybrida)**
- **Annual bedding plant**

- **Sowing:**
Mid-January to mid-March; for large baskets sow in December.
- **Germination:**
15-20 days at 15-20°C.

- **Growth temperature:**
16-18°C
- **Voltz advice:**
After sowing avoid watering: Keep moisture by covering with glass or plastic.



IMAGINATION® Violet

Flexible divergent habit, very branched, for hanging baskets. Small flowers with bright colours.

Height	Habit	Pot size	Mini.	Code
30 cm	semi-trailing	11-13 cm, baskets	250 GP	E90.100GP

Viola hybrida ☺

GRANDISSIMO F1

- **Violaceae**
- **Viola hybrida**
- **Biennial bedding and pot plant**

■ **Sowing:**
From July to September.

■ **Germination:**
At 16-18°C, in 10-14 days.

■ **Growth temperature:**
From 12 to 15°C.

■ **Voltz advice:**
10 to 13 weeks cultivation. Under low light conditions avoid the use of growth regulators.

Ideal for 10,5 cm pots!



BERRY PIE P97.040



CLEAR ORANGE P97.043



CLEAR PURPLE P97.039



CLEAR YELLOW P97.046



ICY BLUE P97.041



LEMON SPLASH P97.042



PURPLE GLOW P97.044



ROSE BLOTCH P97.045



YELLOW JUMP UP P97.047



AGRUMES MIX P97.050



CLAFOUTI MIX P97.052



COCKTAIL MIX P97.054



CRUMBLE MIX P97.064



DELICE FRUITE MIX P97.062



NOUGAT MIX P97.066



TOTAL MIX P97.060

GRANDISSIMO F1
colleurs de ville

The tolerance to high temperatures makes 'Grandissimo' the ideal series for sales in late summer and early fall. The 4-5 cm diameter large flowers on compact, pot-covering plants are perfect to herald the Viola sales season.

Height	Pot size	Mini.
12-15 cm	10 cm	250 GN

Viola cornuta ☺

SORBET® XP F1

- Perfect Viola cornuta type in shape and size
- First series on the market which combines uniformity and homogeneous habit with homogeneous flowering
- Simultaneous flowering of all colours
- Sustained and long-lasting flowering
- Excellent disease resistance
- Unproblematic in transport and excellent shelf life on sales point
- Compact and branched habit
- Excellent outdoor performance





BEACONSFIELD P97.976



BLUE BLOTCH P97.970



DEEP ORANGE P97.975



DELFT BLUE P97.616



DENIM JUMP UP P97.615



LEMON ICE BLOTCH P97.612



LEMON JUMP UP P97.962



MARINA P97.609



MORPHO P97.611



NEPTUNE P97.624



ORANGE PURPLE JUMP UP P97.968



PINK HALO P97.632



PRIMROSE BLOTCH P97.610



PURPLE P97.966



PURPLE FACE P97.932



RASPBERRY P97.907



RED BLOTCH P97.617



ROSE BLOTCH P97.619



ROSE WING Code



TIGER EYE P97.192



TRUE BLUE P97.633



WHITE P97.969



WHITE BLOTCH P97.918



WHITE JUMP UP P97.993



YELLOW BURGUNDY JUMP UP P97.623



YELLOW P97.903



YELLOW BLOTCH P97.985



YELLOW JUMP UP P97.902



YELLOW PINK JUMP UP P97.927



YTT P97.986

SORBET® XP F1
Sorbet® XP F1

Very early flowering. Vigorous plant. Sorbet™ XP F1 is offering improved genetics with more uniform flowering and better habit.

Height	Pot size	Mini.	Colour	Code	Colour	Code
--------	----------	-------	--------	------	--------	------

12-15 cm 9 cm, pack 250 GN

Also available in mixes:

1. Autumn Select Mix	P97.899	2. Citrus Mixture	P97.979
3. Brazil Mixture	P97.631	4. Harvest Mix	P97.917
5. Jump Up Mix	P97.920	6. Lemon Parfait Mix	P97.921
7. Orange Halo Mix	P97.607	8. Royal Mix	P97.288
9. Spring Select Mix	P97.964	10. Total Mix	P97.998

Viola cornuta ☺

EVO MINI F1

The supplemental colours to Sorbet XP F1!



Evo Mini in basket



BEACON YELLOW P97.203



BLACK P97.204



CARMINE P97.249



CLEAR YELLOW P97.265



JOLLY FACE P98.100



MIDNIGHT GLOW P97.274



OUTBACK FIRE P97.250



PEACH DUET P97.219



PURPLE FACE P97.197



PURPLE ROSE WHITE P97.195



RASPBERRY JOKER P97.258



RED WITH YELLOW FACE P97.282



TERRACOTTA P97.283



YELLOW BLOTCH / RED WING P97.255



YELLOW RED WING P97.226



YELLOW SURPRISE P97.251

EVO MINI F1



One of the best and earliest series. Compact habit. Exceptionally rich-flowering. A wide range of attractive and fashion colours performing very well in production, transport, sales and in the garden.

Height	Pot size	Mini.
--------	----------	-------

12-15 cm	9 cm, pack	250 GN
----------	------------	--------



1

admire®



BLUE P97.111



DEEP BLUE BLOTCH P97.102



DEEP MARINA P97.106



DEEP PURPLE FACE P97.109



DENIM P97.104



JOLLY FACE P97.101



LAVENDER PINK FACE P97.105



LEMON PURPLE WING P97.107



NEW MARINA P97.103



NEON PURPLE WING P97.121



ORANGE PURPLE WING P97.108



ORCHID P97.122



PINK P97.110



PINK SURPRISE P97.112



PURPLE WHITE FACE P97.117



RED BLOTCH P97.114



RUBY GOLD P97.116



WHITE P97.113



WHITE PURPLE WING P97.119



YELLOW P97.118



YELLOW BLOTCH P97.120



YELLOW PURPLE WING P97.115

Height	Pot size	Mini.	Colour	Code
--------	----------	-------	--------	------

12 cm 9 cm, pack 250 GN

Also available in mix:

1. Total Mix P97.130

ADMIRE® F1

A brand new, better branching series for more flowers. Earliest and most uniform flowering series in autumn. Also very suitable for spring sales, offering perfect and uniform plant habit as well as a tight flowering window.

Viola wittrockiana ☺

■ **Violaceae**

■ **Viola x wittrockiana**

■ **Biennial bedding and pot plant**

■ **Sowing:**

From autumn sales, from mid-June to mid-July.
For spring sales, from mid-August to mid-September.

■ **Germination:**

At 18-20°C, in 7 to 10 days.

■ **Growth temperature:**

Between 10 and 15°C, do not exceed 15°C.
In winter 6-8°C.

■ **Voltz advice:**

Apply ventilation and shade from the sowing. Under higher temperature germination will be more regular with pre-germinated seeds. Growing in light, fresh and airy conditions.



Blueberry Swirl in hanging basket

COOL wave™

The largest flowers of trailing pansies on the market

- The most vigorous trailing pansy
- Easy to care, long lasting colour display
- Extremely early flowering in spring

- Remarkable winterhardiness (stands temperatures down to almost -25°C)
- Swirl-colours are shading depending on temperature and light



BLUEBERRY SWIRL P91.2046P



BLUE SKIES P91.2096P



FIRE P91.2176P



FROST P91.2056P



GOLDEN YELLOW P91.2066P



LEMON IMP. P91.2206P



MORPHO P91.2166P



PURPLE P91.2076P



RASPBERRY P91.2186P



RASPBERRY SWIRL P91.2216P



STRAWBERRY SWIRL P91.2196P



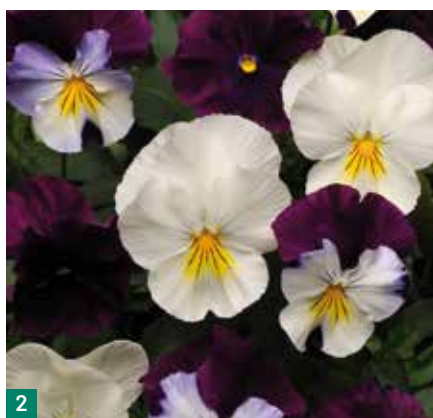
VIOLET WING P91.2086P



WHITE P91.2106P



1



2



3

TRAILING VARIETY

Height

Habit

Pot size

Mini.

Colour

Code

COOL WAVE™ F1

80 years of experience

A brand new generation of spreading pansies; ideal for hanging baskets. In opposite to other pansy series for use in baskets, Cool Wave™ F1 is producing very well-branched, prostrate and spreading plants which have slightly larger flowers and more vigour than the others (producing trails of 75 cm length). The superior overwintering, rich- and free flowering Cool Wave™ F1 performs also under poor weather conditions. Cool Wave™ F1 makes not only incredible cool-season baskets, but is also fantastic as a terrific spreading groundcover (more than 60 cm diameter).

20 cm (60-75 cm spread)

trailing

10,5-12 cm 25 cm baskets

250 GP

Also available in mixes:

1. Mix P91.2156P

2. Berries & Cream Mix P91.2136P

3. Pastel Mix P91.2146P

inspire
Deluxe



MAXI MIX P90.100



BLOTCH MIX P90.090



BLUE MOON MIX Code



FALL DAZE MIX Code



OLD GLORY MIX Code



WINE & ROSES MIX Code



BLUE SURPRISE P90.283



DEEP BLUE BLOTCH P90.078



DEEP ROSE BLOTCH P90.081



DENIM P90.079



LIGHT ROSE BLOTCH P90.091



OCEAN P90.087



ORANGE P90.088



PINK SURPRISE BLOTCH P90.089



RED BLOTCH P90.080



ROSE VELOUR P90.284



WHITE P90.082



WHITE BLOTCH P90.083



WHITE VIOLET WING P90.084



YELLOW P90.085



YELLOW BLOTCH P90.086

POWER F1

1



2



3



VERY LARGE FLOWERED VARIETIES

INSPIRE® DELUXE F1

Very large, long lasting blooms. Unmatched uniformity for habit and timing. For late summer and early autumn sales; fills the pot easily. Flower diameter 7-9 cm.

Height	Habit	Pot size	Mini.	Colour	Code
15-20 cm	mounded	9-10 cm	250 GN		

1 ▶ 3 POWER F1

Extra-large flowers on short and rigid stems. Compact plants, well-branched and resistant to drought. Short cultivation period (about 5 to 7 weeks). Recommended for autumn sales in warm climate.

20 cm	mounded	10 cm	250 GN	1. <i>Outback Fire</i>	P95.615
				2. <i>Patricia</i>	P95.630
				3. <i>Purple</i>	P95.617



MATRIX™

The versatile pansy series



BEACONSFIELD P90.307



BLUE BLOTCH IMP. P90.3001



BLUE WING P90.335



CLEAR ORANGE P90.310



CLEAR WHITE P90.330



DEEP BLUE BLOTCH P90.304



DEEP ORANGE P90.313



LAVENDER SHADES P88.730



LEMON CLEAR P90.303



LIGHT BLUE IMP. P90.3051



MIDNIGHT GLOW P90.315



MORPHEUS P90.306



OCEAN P90.308



PINK SHADES P88.711



PRIMROSE P90.312



PURPLE P90.314



PURPLE & WHITE P90.309



RED BLOTCH P90.316



RED WING P90.318



ROSE P90.320



ROSE BLOTCH P90.322



ROSE WING (CASSIS) P90.324



SANGRIA P90.327



SCARLET P90.325



SOLAR FLARE P90.323



SUNRISE in spring P90.326



SUNRISE in autumn



TRUE BLUE P90.301



WHITE BLOTCH P90.328



YELLOW IMP. P90.3321



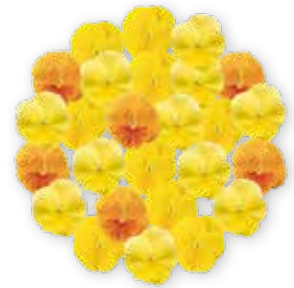
YELLOW PURPLE WING P90.329



YELLOW BLOTCH P90.334



A complete and fancy range of mixtures



AMBER MIX P90.353



AUTUMN BLAZE MIX P90.340



BLOTCH MIX P90.342



CITRUS MIX P90.344



CLEAR MIX P90.349



COASTAL SUNRISE MIX P90.346



EPICES MIX P90.351



HARVEST MIX P90.356



OCEAN BREEZE MIX P90.350



RUBY MIX P90.358



SUN & SKY MIX P90.345



TOTAL MIX P90.348



TOPAZ AND GARNET MIX P90.337

LARGE FLOWERED VARIETY

MATRIX® F1 

Compact habit, Seed homogeneity between colours.

Height	Habit	Pot size	Mini.
20 cm	mounded	9-10 cm, pack	250 GN

Viola wittrockiana ☺

inspire
plus



MAXI MIX P90.039



CLEAR MIX P90.016



BLOTCH MIX P90.018



BEACONSFIELD P90.024



BLUE BLOTCH P90.025



BLUE VELVET P90.280



LEMON P90.281



LEMON BLOTCH P90.040



LIGHT BLUE BLOTCH P90.015



MARINA P90.026



ORANGE P90.027



ORANGE BLOTCH P90.285



RED BLOTCH P90.028



PINK SHADES P90.286



TRUE BLUE P90.029



VIOLET P90.031



VIOLET FACE P90.032



WHITE P90.033



WHITE BLOTCH P90.034



YELLOW PURPLE FACE (wing) P90.038



YELLOW P90.035



YELLOW BLOTCH P90.037

EVO F1



CASSIS P88.847



ORANGE DUET P90.068



RASPBERRY SURPRISE P95.810



ROSY SUNSET P88.851

LARGE FLOWERED VARIETIES

		Height	Habit	Pot size	Mini.
INSPIRE® F1 PLUS	Uniform growing series with tight flowering window and short flower stems. For autumn and spring sales.	12-20 cm	mounded	9 cm, pack	250 GN
EVO F1	Compact habit. Short stems. Early and uniform flowering. For autumn and spring sales. Flowers stay upright. Compact, round plants for high density production.	12-20 cm	mounded	9 cm, pack	250 GN



MIX P95.680



ORANGE P95.678



PURPLE & WHITE P95.670



RED & GOLD P95.672



WHITE P95.674



YELLOW P95.676

LARGE FLOWERED VARIETY

CATS® F1 Colours de ville

Exceptional colours with whiskers.

Height	Habit	Pot size	Mini.
15-20 cm	mounded	9-10 cm	250 GN



COMPACT MID-FLOWERED VARIETIES

	Height	Habit	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 4 ULTIMA RADIANCE F1 <small>Colours de ville</small>	15-20 cm	mounded	9-10 cm, pack	250 GN	1. Mix	P90.245	2. Deep Blue	P90.240
					3. Pink	P90.242	4. Red	P90.243
5 ULTIMA MORPHO F1 <small>Colours de ville</small>	15-20 cm	mounded	9-10 cm, pack	250 GN	5. Blue & Yellow	P90.136		



CURLY FLOWERS VARIETIES

	Height	Habit	Pot size	Mini.	Colour	Code
1 FRIZZLE SIZZLE F1	15-20 cm	mounded	9-11 cm	250 GN	1. Mix	P.89.076
2 FRIZZLE SIZZLE F1 MINI	15-20 cm	mounded	9-11 cm	250 GN	2. Mix	P.89.095

Viola wittrockiana ☺

PANOLA® XP F1



TOTAL MIX P90.389



BRAZIL MIX P90.363



CITRUS MIX P90.397



CLEAR MIX P90.398



LUEURS MIX P90.420



TOUCHE DE MANGUE MIX P90.377



1



2



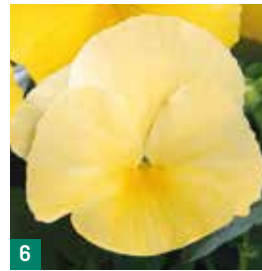
3



4



5



6



7



8



9



10



11



12



13

COMPACT MULTI-FLORA MID-FLOWERED VARIETY

Height

Habit

Pot size

Mini.

Colour

Code

Colour

Code

1. Beaconsfield	P90.360	2. Deep Blue Blotch	P90.362
3. Deep Orange	P90.364	4. Fire	P90.366
5. Pink Shades	P90.427	6. Primrose	P90.381
7. Purple	P90.370	8. Rose Picotee	P90.374
9. True Blue	P90.380	10. White	P90.382
11. Yellow	P90.386	12. Yellow Blotch	P90.388
13. Yellow Purple	P90.448		

PANOLA® XP F1
colours
top style

Multiflora series. Early and long-lasting flowering; the first to re-flower. Excellent winter-hardiness and resistance to cold and heat and to diseases. Range of bright colours, with excellent colour effects.

15-20 cm mounded 9-10 cm, pack 250 GN



Xeranthemum

- **Asteraceae**
- **Xeranthemum annuum**
- **Annual for dried and fresh cutflower**
- **Seed count/gram:** 800
- **Sowing:** 3 weeks before transplanting; Plant outside following the last frost.
- **Germination:** 7-14 days at 21°C.
- **Voltz advice:** Plants tolerate drought and do well in dry, infertile soils.

LUMINA Mix

Attractive double crested paper-like blooms; very nice colours; use as dried and fresh cut flower.

Height	Habit	Mini.	Code
70 cm	upright	5 g	D37.510



Zea

- **Poaceae**
 - **Zea mays**
 - **Annual for flower beds and dry bouquets**
 - **Seed count/gram:** Amero: 5; Little Jewel and Baby Corn: 15
 - **Sowing:** Directly in place or directly in the final pot, from April to May.
 - **Germination:** From 18-20°C.
- 300 to 500 g or 1 500 seeds for 1 000 plants depending on the number of seeds per variety.



	Height	Habit	Pot size	Mini.	Colour	Code
1 BABY CORN	100 cm	upright	-	25 g	1. Red	D68.724
2 LITTLE JEWEL	100 cm	upright	-	25 g	2. Mix	D68.704
3 AMERO	150 cm	upright	-	25 g	3. Mix	D68.700
4 FIELD OF DREAMS	150 cm	upright	16-19 cm	50 GC		D68.710GC

Zinnia *angustifolia hybrida* ☺

■ **Asteraceae**

- Zinnia angustifolia
- Zinnia elegans
- Zinnia hybrida
- Zinnia haageana

■ **Annual bedding plant and cut flower**

■ **Seed count/gram:**
130

■ **Sowing:**
From February to May; from mid February onwards for pot varieties.

■ **Germination:**

At 20 - 25°C, in 7 to 10 days.

■ **Growth temperature:**

Between 16 and 18°C.

■ **Voltz advice:**

11 to 12 weeks for spring production.
8 to 9 weeks for summer production.
Direct sowing outdoor not before May.
Sensitive to low night temperatures.



1 *angustifolia* **PINWHEEL** 🌱

Mildew-resistant, bushy plants covered with 9 cm single daisy-like blooms all summer long!

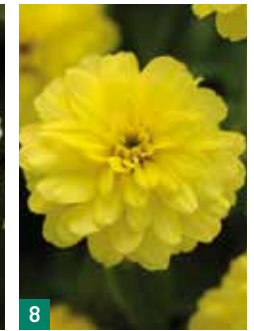
2 ▶ **12**
PROFUSION F1 🌱

Medium-sized single flowers on branched plants. Very floriferous. Mildew-resistant and tolerant to heat.

Height	Potsize	Mini.	Colour	Code	Colour	Code
25-30 cm	11-13 cm	5 g	1. Mix	D69.507		
			2. Total Mix	E92.344GFC	3. Apricot	E92.315GFC
			4. Cherry	E92.300GFC	5. Fire	E92.305GFC
			6. Cherry Bicolor	E92.301GFC	7. Lemon	E92.307GFC
			8. Orange	E92.310GFC	9. Red	E92.296GFC
			10. Red Yellow Bicolor	E92.298GFC	11. White	E92.330GFC
			12. Yellow	E92.306GFC		

ZAHARA® / ZAHARA DOUBLE

- Large double flowers
- Very uniform
- Combines precocity and good flowering all season long
- Mildew-tolerant
- Drought-resistant, few maintenance
- Recommended for public parks and city green spaces



1 ▶ 8
ZAHARA® DOUBLE 

Excellent behaviour in flower beds, even in dry conditions. Outstanding disease tolerance and low water needs.

9 ▶ 10 **ZAHARA®**  

Exceptional colours. Excellent behaviour in flower beds, even in dry conditions.

11 ▶ 14 *angustifolia* **STAR** 

More compact with smaller leaves than other Zinnia-types. Very branched plant with single flowers of 4 to 5 cm. Mildew-resistant.

Height	Pot size	Mini.	Colour	Code	Colour	Code
30 cm	10,5-13 cm	250 GFC	1. Total Mix	E92.329GFC	2. Bright Orange	E92.367GFC
			3. Cherry	E92.312GFC	4. Fire	E92.323GFC
			5. Raspberry Ripple	E92.355GFC	6. Salmon	E92.365GFC
			7. White	E92.366GFC	8. Yellow	E92.318GFC
			9. Single Mix	E92.360GFC	10. Sunburst	E92.326GFC
30-40 cm	8-11 cm	250 GN	11. Mix	E93.000	12. Gold	E93.060
			13. Orange	E93.020	14. White	E93.040

Zinnia *elegans* ☉



1 ▶ 8 DREAMLAND F1

Compact. Large double flowers.
For flower beds and pot plants.

Height	Pot size	Mini.	Colour	Code	Colour	Code
20 cm	10,5-13 cm	500 GFC	1. Mix	E92.000GFC		
		1 g	1. Mix	E92.000	2. Coral	E92.080
			3. Ivory	E92.020	4. Pink	E92.040
			5. Red	E92.050	6. Rose	E92.060
			7. Scarlet	E92.120	8. Yellow	E92.160

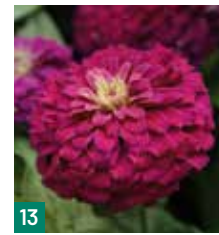
9 ZEN F1

More compact and better branching than „Dreamland F1“, higher doubleness of the flower.

17-20 cm	10-12 cm	250 GFC	9. Mix	E92.230GFC		
		250 GFC	10. Light Yellow	E92.238GFC	11. Orange	E92.232GFC
			12. Pink	E92.235GFC	13. Red	E92.231GFC
			14. Rose	E92.234GFC	15. Scarlet	E92.236GFC
			16. White	E92.233GFC	17. Yellow	E92.237GFC

10 ▶ 17 PRECIOSA F1

More compact and better branching than „Dreamland F1“, higher doubleness of the flower.



	Height	Pot size	Mini.	Colour	Code	Colour	Code
1 ▶ 6 ZINNITA	25 cm	10,5-13 cm	250 GN	1. Mix	E92.500	2. Golden Yellow	E92.540
3. Orange				E92.510	4. Rose	E92.516	
5. Scarlet				E92.524	6. White	E92.532	
7 ▶ 8 SWIZZLE F1	30 cm	11-16 cm	100 GFC	7. Cherry & Ivory	E93.100GFC	8. Scarlet & Yellow	E93.101GFC
9 ▶ 16 ZESTY <small>colours de zinnia</small>				45-60 cm	10-13 cm	100 GFC	9. Mix
	11. Orange	E92.128GFC	12. Pink				E92.134GFC
	13. Purple	E92.132GFC	14. Scarlet				E92.133GFC
	15. White	E92.131GFC	16. Yellow				E92.127GFC



	Height	Mini.	Colour	Code
1 UPROAR	35-40 cm	100 GFC	Rose	D72.4526FC
2 ZOWIE <small>colours de zinnia</small>	40-60 cm	100 GFC	Yellow Flame	D72.4506FC
3 FORECAST <small>colours de zinnia</small>	50-75 cm	5 g	Mix	D69.506

Zinnia *elegans* ☺



HIGH VARIETIES TO CUT		Height	Mini.	Colour	Code	Colour	Code
1 ▶ 2	POP ART <small>Gold & Red</small>	60 cm	5 g	1. Gold & Red	D69.520	2. White & Red	D69.522
3	MACARENIA	60-75 cm	5 g		D69.090		
4	MAZURKIA	60-75 cm	5 g		D69.092		
5 ▶ 11	QUEENY	65 cm	500 GN	5. Lime 7. Light Violet 9. Orange 11. Violet	D69.602 D69.610 D69.604 D69.608	6. Deep Red 8. Lime Orange 10. Red-Lime	D69.606 D69.601 D69.600
12 ▶ 17	POMPON	70 cm	5 g	12. Mix 14. Orange Gem 16. Scarlet Gem	D72.000 D72.156 D72.154	13. Canary Gem 15. Pink Gem 17. White Gem	D72.150 D72.152 D72.158



HIGH VARIETIES TO CUT		Height	Mini.	Colour	Code	Colour	Code
1 ▶ 7	OKLAHOMA	80 cm	500 GN	1. Mix	D69.1151	2. Carmine	D69.1001
				3. Golden Yellow	D69.1021	4. Pink	D69.1041
				5. Salmon	D69.1051	6. Scarlet	D69.1061
				7. White	D69.1071		
				8. Lilac	D69.096	9. Orange	D69.094
8 ▶ 13	ZINDERELLA	75-80 cm	250 GN	10. Peach	D69.098	11. Purple	D69.095
				12. Red	D69.097	13. White	D69.099
14	PEPPERMINT	70-90 cm	5 g	14. Mix	D69.502		
15	CALIFORNIA GIANTS	90 cm	5 g	15. Mix	D69.500		

Zinnia elegans ☺



HIGH VARIETIES TO CUT		Height	Mini.	Colour	Code	Colour	Code
1 ▶ 11	DAHLIA FLOWERED	90 cm	5 g	1. Formula Mix	D69.000	2. Dream	D69.045
				3. Exquisite	D69.030	4. Golden Dawn	D69.010
				5. Golden State	D69.020	6. Hallo	D69.070
				7. Meteor	D69.050	8. Polar Bear	D69.088
				9. Purple Prince	D69.040	10. Rose Queen	D69.080
				11. Scarlet Flame	D69.060		
				12. Formula Mix	D69.005		
				13. Bright Pink	D69.006	14. Deep Red	D69.008
				15. Orange	D69.009	16. Purple	D69.007
				17	THUMBELINA <small>colours de ville</small>	30-45 cm	5 g



haageana **SOMBRETO BICOLOR**

Bright, colourful, bicoloured Mexican Zinnia sports rings of vivid color in red and yellow throughout summer. An uncommon Zinnia that will get loads of attention in the garden or a vase.

Height	Habit	Mini.	Code
80 cm	upright	5 g	E93.110

Flower Meadows

■ **Mixtures made of plenty genus and species**

■ **Sowing:**
2,5- 3 g per qm (in poor, stony soil also 3- 5 gram/qm possible, but never more than 5 g; else the competition among the species is too big and the richness in species will be reduced.)

■ **Sowing date:**

March-May (depending on the climate, the soil should not be cold anymore)

■ **Voltz advice:**

Direct sowing on open ground. To ensure a homogenous dispersion, stir the seeds before sowing.

To facilitate the sowing process one can mix the seeds with Vermiculite or dry soil. To avoid weed disturbing the germination, a thorough preparation of the flower bed is essential. Mortise and level the soil (like preparation for sowing a lawn), wait a few days until weed is emerging, then eliminate the weed. Then immediately do the sowing of the Flower Seed

Mixture. Depending on weather conditions an irrigation might be necessary to improve germination and emergence of the seedlings. After a few weeks it might happen that strong growing weed such as amaranth, black nightshade, millet or pigweed need to be eliminated selectively by hand.



THE FLOWER MIXTURES:

A salvage to preservate the fauna of beneficial insects!

Create with our Flower-Meadows and -Mixtures a habitat for beneficial insects helping this way to obtain the biodiversity of bees, bumblebees, butterflies and other pollinators as well as plenty of other beneficial insects.





By generating a natural, season-long flowering surface you are bringing colour, nectar and pollen to the world helping the insects to find sufficient nutriment. **Show to your customers that you are active in helping the bees to survive, and that you as an expert know what to do to keep the nature vivid and versatile!**

		Height	Mini.	Code
1 FLOWERS FOR BEES & CO	This new developed Mixture is only made of species attracting bees and other pollinators.	25-50 cm	50 g	550412
2 WILD FAUNA FALLOW	This Colourful Mix for beneficial organism has been developed to support the beneficial and predator insect fauna that helps you to protect your crops. The selection of the higher species in that Mix are giving room and shelter to this fauna to support their reproduction.	25-100 cm	50 g	550559
3 COUNTRY MIX FIELD AND MEADOW FLOWERS	Long-lasting, species-rich Mixture made of 28 annual and 24 perennial varieties. When sowing in spring the first bloom will be mainly annuals; if sowing in autumn the majority of the first bloom in following spring will be made of perennials.	50-80 cm	50 g	550504
4 TAGETES GROUND CONTROL	Semi-Dwarf selection with strong root growth.	30-40 cm	50 g	E85.200

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		Drought tolerant plant	Bee-friendly plant	Durable plant	Variety for late summer	Ornamental foliage plant for combos	Shadow plant	Sensory plant
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Eragrostis	80					
Festuca	81					
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Hordeum	81					
Isolepis	82					
Juncus	82					
Koeleria	82					
Lagurus	82					
Luzula	83					
Melinis	83					
Millium	83					
Miscanthus	83					
Oryza	86					
Panicum	86					
Pennisetum	84					
Phalaris	86					
Setaria	86					
Sorghum	86					
Stipa	87					

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Acanthus	4					
Acroclinium	4					
Agapanthus	4					
Ageratum	6					
Alchemilla	8					
Amaranthus	8					
Ammi	10					
Antirrhinum	12					
Asclepias	19					
Atriplex	21					
Bergenia	30					
Brassica	31					
Bupleurum	32					
Calendula	32					

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Callistephus	34					
Campanula	37					
Celosia cristata	45					
Celosia spicata	44					
Centaurea cyanus	46					
Centaurea montana	46					
Centranthus	46					
Cerithe	46					
Cheiranthus	47					
Chrysanthemum	48					
Craspedia	55					
Cynara scolymus	56					
Delphinium annual	58					
Delphinium perennial	59					
Dianthus barbatus	60					
Dianthus caryophyllus	64					
Dianthus hybridus	62					
Dichondra	65					
Echinacea	67					
Echinops	68					
Eryngium	69					
Eschscholzia	69					
Eucalyptus	70					
Euphorbia annual	71					
Freesia	71					
Geranium	73					
Geum	76					
Godetia	76					
Gomphrena	77					
Gossypium	76					
Gynerium (Cortaderia)	81					
Gypsophila	88					
Helichrysum bracteatum	89					
Heliopsis	92					
Helipterum	93					
Helianthus	90					
Hesperis	93					
Lagurus	82					
Lavatera	99					
Leonurus	102					
Leucanthemum	102					
Liatis	103					

		Drought tolerant plant	Bee-friendly plant	Durable plant	Variety for late summer	Ornamental foliage plant for combos	Shadow plant	Sensory plant
Ligularia	103							
Limonium annual	104							
Limonium perennial	104							
Linum	105							
Lunaria	109							
Lupinus	107							
Moluccella	112							
Monarda	113							
Myosotis	113							
Nigella	117							
Onobrychis	118							
Panicum	86							
Papaver annual	119							
Penstemon	122							
Phalaris	86							
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Scabiosa annual	147							
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CLIMBING PLANTS

		Drought tolerant plant	Bee-friendly plant	Durable plant	Variety for late summer	Ornamental foliage plant for combos	Shadow plant	Sensory plant
Asarina	18							
Basella	22							
Cobaea	49							
Dolichos	66							
Ipomoea	97							
Lathyrus latifolius	99							
Lathyrus odoratus	99							
Mina lobata	112							
Passiflora	119							
Phaseolus	130							
Rhodochiton	139							
Thunbergia	156							
Tropaeolum	158							

ORGANIC CERTIFIED VARIETIES

		Drought tolerant plant	Bee-friendly plant	Durable plant	Variety for late summer	Ornamental foliage plant for combos	Shadow plant	Sensory plant
Ammi	10							
Asclepias	19							
Atriplex	21							
Borago	30							
Celosia cristata	45							
Centaurea cyanus	46							
Cosmos	53							
Delphinium annual	58							
Dianthus barbatus	60							
Echinacea	67							
Eschscholzia	69							
Helianthus	90							
Lavatera	99							
Malva	109							
Moluccella	112							
Nigella	117							
Tagetes patula	152							
Tropaeolum	158							
Zinnia	176							

General terms of sale

1. Preamble

These terms of sale, in accordance with professional regulations and national and international practices, explicitly apply, unless there are specific agreements, to all our sales, and in particular to sales made to horticulturists, market gardeners, vegetable growers, seedling growers, nurserymen, conservationists, processors, local authorities, groups, dealers, landscape architects, golf courses, etc. The act of placing an order implies the acceptance of the terms of sale shown in our catalogue or in any other commercial document from our Company.

Prior information regarding possible risks of certain vegetables for your health.

In accordance with article L. 1338-3 of the French Public Health Code, all distributors or vendors of vegetables likely to harm human health are obliged to inform the purchaser, prior to all sales, of any risks to human health and, if necessary, means of prevention. Certain vegetables, explicitly listed in the annex of the decree from 4 September 2020, may potentially cause food poisoning when consumed, respiratory allergies, mucocutaneous reactions or unusual skin irritations when exposed to the sun. These risks, precautions and/or measures to be taken if needed, are presented in the following document: <https://www.legifrance.gouv.fr/jorf/id/JORF-TEXT000042325453>. By accepting the present sales terms, the purchaser acknowledges having been duly informed, prior to the sales, of any health risks possibly linked to the purchasing of the aforementioned vegetables.

2. Prices

The prices are those which are determined by our price lists valid on the date of the order. They are understood to be exclusive of tax and of packaging and transport costs.

They may be amended without prior notification at any time and are established subject to any major changes in the economic conditions.

The prices given for the various products apply when these are ordered in one individual order and per delivery.

The price given in a column applies as from the quantity shown at the top of that column.

The minimum value per order line is 5.-€. In case of a lower value than 5.-€ caused by ordering a small quantity, the minimum fee of 5.-€ will be charged.

We deliver in the most economical packaging available at the time of delivery.

In the event of an order in specific packaging, an additional charge may be agreed per packaging for its manufacture.

3. Transport and packaging costs

For every order, we will invoice, in addition to the goods, a fixed sum corresponding to the costs of preparation and shipment of the seeds, in accordance with our valid price lists.

4. Orders

Orders are carried out as far as it is possible to do so. Deliveries will be made depending on supplies and availabilities. They may be in full or in part.

In the event of an insufficient crop or no crop at all, due to weather disruptions and any kind of cultivation incidents, a partial or total reduction will be applied to the order.

No compensation may be claimed by the purchaser as a result.

The transactions which our Sales Force deals with do not commit us until after confirmation by our Company via an order acknowledgement (ARC in French).

We can only make the delivery if the purchaser is up to date in terms of all his/her debts to the Company, whatever the cause of these may be.

The lead time is given for information purposes and without any guarantee.

5. Order cancellation

Any cancellation, in full or in part, of an order for seedlings on the part of the customer less than 6 weeks before delivery leads ipso jure to a compensation payment set at 50% of the value of the cancelled order, without Graines VOLTZ needing to provide proof that it has suffered a loss due to this cancellation. However, if the products involved in the cancelled order cannot be sold, Graines VOLTZ reserves the right to the option of demanding full compensation for the loss suffered.

6. Shipment / delivery and risks

Our goods are transported at the recipient's own risk, whatever mode of transport is invoiced. They are carefully examined before being packed and handed over to the haulier, who will have issued us with a receipt for the shipment.

We ask our customers to:

- unpack and check the contents of the shipment before confirming acceptance from the haulier, especially when this involves young seedlings. We remind them that they must only accept their parcels after making sure that they are in good condition, that their weight corresponds properly to the one notified and that the seals are completely intact.

- write any justified reservations on the delivery note, transport damage, loss, anything missing or delays, etc. These reservations must be confirmed within 48 hours to the haulier, with Acknowledgement of Receipt, in order to get compensation, and a copy must be sent to our Company.

The purchaser must specify and justify the nature of his/her complaint, reservation or challenge, and also describe the products which were the subject of this complaint, reservation or challenge, in terms of quantity, quality and price. The purchaser must provide all evidence as to the actual existence of the defects observed. Graines VOLTZ reserves the right to carry out any investigation or verification on site, either directly or through an authorised agent. As a result, the purchaser is obliged to keep the products involved and must give Graines VOLTZ or its authorised agent every assistance in carrying out the above-mentioned investigations and verifications.

7. Payments

All payments are to be sent to the head office in Colmar. No discount is given for advance payment. Our payment terms are normally 30 days. The due date is shown on every invoice. In the event of the due date being exceeded, delay penalties are due, without any reminder being needed, at the ECB interest rate with a 10 point increase. Moreover, for any late payment, as of right, and with no prior notification required, an indemnity will be imposed for collection charges at a flat rate amount of 40 €. This indemnity may be increased if the collection charges exceed the flat rate, upon presentation of documentary proof.

Customers who do not adhere to the scheduled payment terms, or who have in the past been the subject of collection proceedings, will only receive deli-

veries, after their account has been settled, against payment at the time of the order of 50% or of the total amount.

Failure to pay after the due date, regardless of whether it is total or partial, will result in a penalty, as of right, with the application of a fixed indemnity of 15% on the amount of the unpaid sum.

The bank and debt collection costs arising from an extension of the due date shall be borne by the customer. Non-payment of our invoices shall itself lead to formal notice being given.

In the event of staggered payment which our departments have accepted in advance, the failure to settle one due payment immediately makes the whole debt due for payment. Finally, in the event of delay in payment, we shall be authorised to cancel ongoing contracts and orders without prejudicing any other course of action. This shall mean that we are released from all our undertakings.

8. New customers

People with whom we do not have any commercial relationship are requested to accompany their first order with their Siret or VAT number and payment equal to the amount of its value or to authorise us to make the shipment under cash on delivery terms or else to sign a direct debit payment form.

9. Repackaging by the purchaser

If our customer intends to replace the original packaging of the goods we delivered to him/her, by dint of law no. 64-1360 of 31 December 1964 on trademarks, he/she does not have the right to use our trademark for the repackaged products. This repackaging results in complete release from any liability as far as Graines VOLTZ is concerned.

10. Conditions of use of the products / liability

Use, by the purchaser, of the products is restricted to the production of a single commercial crop. Production excludes any reproduction of seeds and any vegetative propagation. Unless there is any contrary legislative provision, any use of the products - including that of parental lines which may fortuitously be present amongst the latter - for research, selection or molecular or genetic characterisation purposes is strictly forbidden. In the event of resale of the products to a third party, the purchaser shall be obliged to inform the third parties of the obligations described above. Any failure to abide by the above-mentioned restrictions of use shall be the subject of legal proceedings against the purchaser.

Graines VOLTZ restricts the use of all products solely to the uses and categories of uses for which they have been authorised. In other words, it forbids any use which is not explicitly indicated on the label; the Company does not accept any liability in the event of a product being used outside the regulatory framework of the law and that for approval.

Our products may not be sold on for export without the seller's explicit authorisation.

11. Protected varieties or products

Some varieties which we sell have been the subject of a patent, brand or trademark registration, one which is regularly renewed, and the purchaser cannot acquire any property rights on these varieties by usage or by making a claim. He/she undertakes to inform Graines VOLTZ immediately, by any means possible, of any infringement of its property rights on the patents or trademarks, as soon as he/she be-

comes aware of this, and in this respect must fully cooperate in the defence of the rights of Graines VOLTZ against any infringements.

The reproduction of protected varieties or the use of registered commercial trade names or trademarks is forbidden, unless there is written authorisation by Graines VOLTZ.

The purchaser shall authorise and cooperate with any inspections by Graines VOLTZ with the aim of checking any hindrances to the rights of Graines VOLTZ. To this end, he/she authorises Graines VOLTZ, or any person appointed by the latter, to have direct access to his/her own infrastructures, that is in particular to greenhouses, administration buildings, etc., along with those of third parties used under the responsibility of the purchaser.

The purchaser must ensure that any person handling or receiving the products complies with the obligations laid down above, so that the rights of Graines VOLTZ are respected in every way.

12. Claim periods / product conformity / warranties

Any claim, other than one which is specific to young seedlings, which involves external appearance and species purity must be made within 15 days of the receipt of the goods.

No warranty claim in respect of these provisions can be made by the purchaser for defects which appear:

- 50 days after delivery of the products to the purchaser when the defects involve germination capacity,

- within the normal sowing and inspection timescales immediately subsequent to delivery, when the defects involve the authenticity of the seed, its varietal purity and its species purity.

For young seedlings, the goods May be approved on receipt and claims are to be made to us within 48 hours. Once these timescales have been exceeded, the shipments shall be deemed to have been accepted.

If the conditions defined above are not adhered to, acceptance will be deemed to have been without reservations and the liability of Graines VOLTZ for any defect of conformity of the products May no longer be claimed.

Considering the nature of the products sold, the seller's liability, in the event of errors or defects which are acknowledged or established, May not under any circumstances, and in particular in terms of authenticity, varietal purity, species purity or germination capacity, of resistance conformity, of resistance to strains or races, of diseases unknown as of now and of notified tolerances, exceed the amount of the supply of the delivered item, including the proven costs arising from returning the goods. In order to guarantee the quality as indicated above, the purchaser is forbidden to grade, calibrate, coat or treat the products supplied in whatever way himself, or to have this carried out by a third party.

We will carefully examine any claim which might be made against us as a result of an error on our part and, if applicable, we will not refuse to replace or reimburse all or part of the offending goods.

The purchaser is also aware that the illustrations, catalogues or other descriptions of Graines VOLTZ relating to the quality, weight and measurements of the products are as far as possible in accordance with the tests and experience of Graines VOLTZ. However, these documents cannot under any circumstances involve liability in the event of different results.

The purchaser is also aware that the products are not suitable for human or animal consumption.

13. Terms for return

Any product return must be the subject of a formal

agreement between the seller and the purchaser. Any return request must be made within a period of eight days after shipment and the physical return of the goods made within 8 days after this request. Only goods returned with their original packaging intact shall be the subject of a credit note, which however shall not exceed 60% of the initial value. Any product returned without this agreement shall be kept at the disposal of the purchaser and shall not give rise to the issue of any credit note.

The costs and risks of the return are always borne by the purchaser.

No return of young seedlings is accepted.

14. Growing trays

Growing trays and "rigid" seedling containers are and remain at all times the property of Graines VOLTZ and cannot be used by third parties without the prior written agreement of Graines VOLTZ. Customers must store the trays in a clean place and keep them available for Graines VOLTZ who will provide for their return to the production centre. A penalty of 5.00 euros per tray shall be applied if they are not returned.

A penalty of 10.00 euros per tray shall be applied in the event of use by a third party without the written agreement of Graines VOLTZ and the boxes will have to be returned to the Graines VOLTZ logistics centres at the customer's expense.

15. Colour illustrations

The colour photos shown in our catalogues were taken in favourable growing conditions and identical results cannot necessarily be guaranteed. In some cases, they cannot give a 100% accurate reproduction of the plant due to printing conditions.

Plant colours, shades and cycles are given for information purposes and are not contractual.

16. Cases of force majeure

Orders will be carried out except for cases of force majeure. The following are deemed to be cases of force majeure, but this is not an exhaustive list: acts of war, strikes, fires and accidents in any of the companies involved in the production and distribution of the products and seedlings.

17. Hidden defects

Hidden defects for which the warranty May be implemented must exist at the time of the transfer of risks. The purchaser must provide any evidence as to the actual truth and existence of the defects observed prior to the transfer of risks.

Graines VOLTZ reserves the right to carry out any investigation or verification on site, either directly or through an authorised agent. From that point on, the purchaser must give Graines VOLTZ or its authorised agent every assistance in carrying out the above-mentioned investigations and/or verifications.

No warranty action in respect of these provisions May be undertaken by the purchaser for defects which appear after the planting of the products, if the purchaser is not able to prove that he/she acquired the products involved in a proper manner by providing the invoices and/or certificates issued by Graines VOLTZ at the time of the sale.

If these conditions are not adhered to, it will no longer be possible to implement the warranty due as a result of the hidden defects in the products. If it is established that the products supplied are defective, they May be the subject of a return or reimbursement, with the agreement of Graines VOLTZ.

In any case, Graines VOLTZ can only accept liability under the terms of the warranty for hidden defects

under the conditions defined above, if the purchaser has used the products in a normal way, has not modified them in any way whatsoever and has stored, conserved and handled them so as to ensure they are kept in a good state of preservation.

18. Reservation of title clause

We reserve title to the goods supplied until the full price has been paid. In this respect, the handover of bills of exchange or of any bond which creates an obligation to pay do not constitute payments under the terms of this provision.

With the permission of the supplier, within the framework of the normal running of his/her business, the purchaser is authorised to resell the goods supplied. However, he/she May not pledge them or transfer his/her ownership as a guarantee. In the event of resale, in doing so he/she transfers to us all the accounts receivable arising from his/her profit from the resale to the third party purchaser. The authorisation to resell is automatically withdrawn in the event of payment being stopped. In the event of a seizure or any other action by a third party, the purchaser is obliged to inform us about this immediately.

In spite of the application of this reservation of title clause, the purchaser shall bear the cost of the risks in the event of loss or destruction of the goods as from the time of their delivery. He/she shall also bear the costs of insurance.

19. Results

As the results obtained do not just depend on the product and its quality, but also on factors which are difficult or impossible to evaluate or foresee and which May vary, in particular depending on the regions, environment, agronomic and atmospheric conditions, on the technicians and on the operations involved in cultivation, the advice and suggestions are only given purely for information purposes and cannot as a result entail a crop guarantee.

20. Personal Data Protection

Customer-specific personal data which is gathered and kept as part of orders made, is solely used for managing orders, deliveries and billing.

Graines Voltz reserves the possibility of using the customer-provided data for commercial means, only if the latter accepted when initially giving these details.

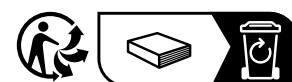
However, it May, subject to stricter confidentiality rules hereto applicable, be shared within our group, with our contractual partners, service providers and sub-contractors for the same usage, as well as legally-authorized administrative and judicial authorities. This information can be transferred towards a country outside the European Union with an equivalent protection level.

In compliance with the law N°78/17 from January 6, 1978 relating to information, you are informed that you have the right to question, access, rectify and a right to oppose, for a legitimate reason relating to your personal data, by writing to the following address: Graines Voltz SA , 1 rue Edouard Branly 68000 Colmar to the attention of the delegate for data protection.

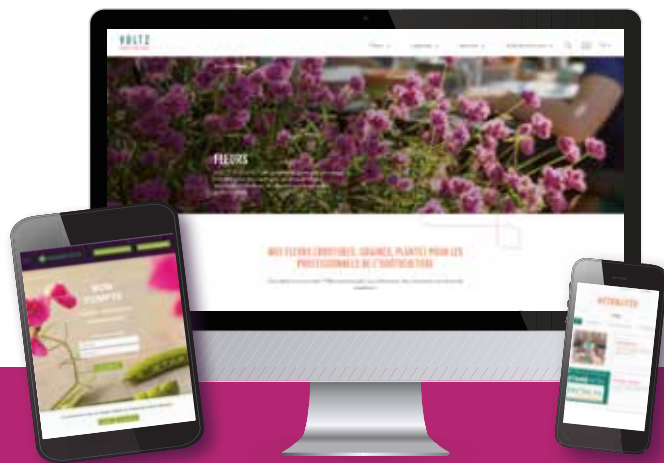
21. Assignment of jurisdiction

In the event of any dispute, French law alone shall apply.

All our sales are made under the conditions laid down above and the act of placing an order with us implies their acceptance. Any difficulty, whatever the cause May be, shall be judged by the competent Courts of COLMAR, who shall have sole jurisdiction over determining the liabilities, even in interim proceedings.



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BULBOS ESPAÑA

MAPI FLORICULTURA, S.L.

C/ Latina, 26 - 1° D - 28047 Madrid
Tel.: 91 526 38 22 · Fax: 91 526 38 54
E-mail: info@bulbosespana.com
www.bulbosespana.com



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