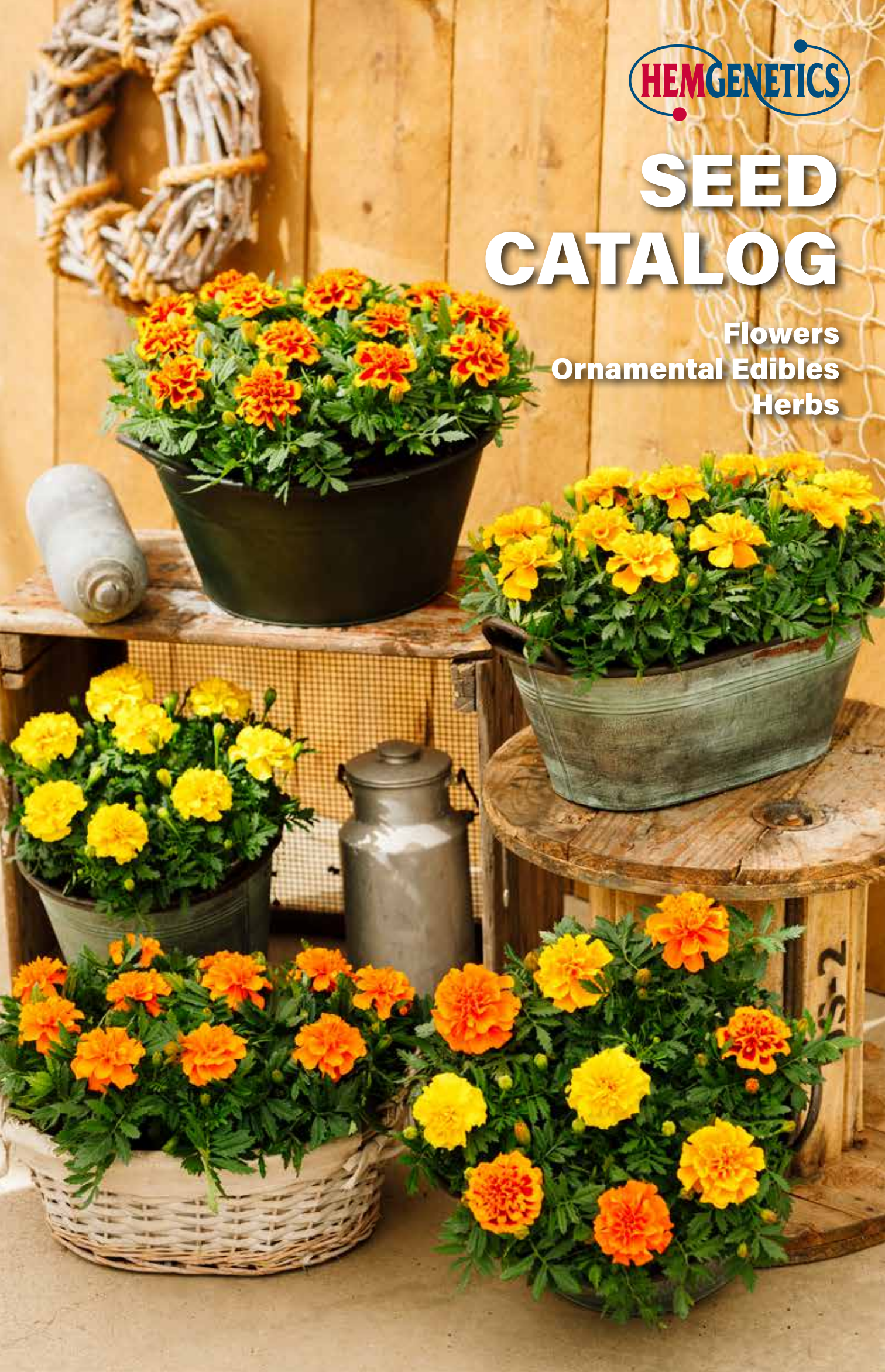




SEED CATALOG

Flowers
Ornamental Edibles
Herbs



Key to lay-out

NON-GMO Statement

All flower seed varieties bred by Hem Genetics and listed in this catalog have been created by using traditional breeding methods without the use of genetic modification.

Low Grow Approved- Eco Friendly Production

Varieties listed in this catalog and marked with the Low Grow Approved stamp are natural varieties bred by Hem Genetics through the use of traditional breeding methods. These varieties need little or no plant growth retardants (PGRs), which enable a grower to opt for a much more sustainable, eco-friendly production.



New

Varieties marked with the NEW logo are brand new series or additional colors to the existing series listed in this catalog.

NEW

Fleuroselect Gold Medal

The Fleuroselect Gold Medal is awarded to novel varieties that have been tested by expert and independent judges and proven to clearly supersede existing varieties in terms of breeding innovation and beauty. Fleuroselect's Gold Medal Winning varieties are lavishly displayed in more than forty public gardens across in Europe, the U.S.A. and Asia. These varieties are the trendsetters of the moment, and represent the absolute top in breeding and beauty.



Fleuroselect Approved Novelty

New varieties which have been recognised by the Fleuroselect judges to be sufficiently new and different versus existing cultivars and which have passed the rigorous requirement for uniformity are granted **Novelty Protection**. These innovative cultivars are protected by the membership from reproduction.



All America selections Winner

The AAS award is awarded to novel flower seed varieties that have been tested by expert and independent judges on various trials grounds in North America. The award recognises a flower seed variety for significant achievement superior to others in the market.



National Garden Bureau - NGB

Hem Genetics is proud member of NGB. National Garden Bureau is a non-profit organisation dedicated to educate, inspire and motivate people in North America to increase their use of plants in homes, gardens and workplaces, by being the marketing arm of the horticulture industry.



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Hem Genetics combines the latest and best methods of seed enhancement through our newly established Seed Technologies department, with one goal in mind, improved seed performance.

Hem Technologies can apply the newest and most effective methods to upgrade our seed products, accomplished through the following treatments:

Pelleting

Pellets from Hem Technologies melt direct after contact with a drop of water. We utilize a yellow color for better optical recognition to allow for immediate spotting of sowing errors. It contains an organic ingredient that protects against fungi and bacteria.

Our tests and trials conclude that we have developed a pellet that shows extremely good germination results. This pelleting process is available for various species, including our Petunia, Dianthus, Ageratum and other species like Begonia.

Upgrading and Priming

Various upgrading techniques contribute to achieving the optimum in seed quality enabling growers to produce their crops more efficiently and reliably.

Upgrading

With the demanding needs of growers in today's market, we create seed products that combine multiple technologies, including priming, breaking dormancy, density separation and seed sizing to enhance seed germination in both uniformity and speed. For example, regular raw Pansy seed will germinate in 5 to 7 days, where Pansy seed run through our enhancement program will germinate in approximately 3 days, or half the normal time. This shortens time in germination chambers, for product rotation, and also gives much better uniformity to the finished plug trays.

Priming

Priming seeds improves uniformity and imparts better tolerance of extreme or less-than-optimal growing conditions. It effectively increases the speed of germination to a higher level. This treatment is available for Viola, Pansy, Primula, Verbena hybrid and more species.

Seed coating

Hem Technologies newly developed film coating process is applicable to a wide range of seeds. The focus was for development of a complete process that would increase germination and protect against fungi and bacteria during the germination process.

If you have questions or wish to receive further information about Hem Technologies, we invite you to contact us.

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Sustainable Production From Seed

Hem Genetics **Low Grow** varieties have lots to offer the professional grower in every respect. And the same goes for links further along the chain too. With their compact habit and low levels of stretch, Hem Genetics Low Grow varieties need little or no growth regulators. They are also much less labour-intensive to grow.

Hem Genetics was set up in 1998 as a sister company to Hem Zaden. Since then we have brought countless stand-out seed-raised pot and bedding plants to market. Our Mambo and Limbo petunias, Nano geraniums and Reddy salvias are head and shoulders above the rest, despite their compact habit.

Because they need little or no plant growth regulators, they are much less labour-intensive and therefore considerably more efficient to grow and of course that delivers significant savings. But even more importantly, it also means that **Low Grow** varieties make for a much more sustainable crop. And that's precisely what the market demands these days. Planted in borders, containers, gardens and parks, these plants will give the end-user pleasure all season long – and with the added benefit of being very low maintenance. Countless growers across the globe have got the Low Grow message and are now producing much more sustainably. Don't forget that these varieties come from seed. Getting these plants off to a cleaner, virus-free start is an important contributing factor in sustainable production.

Our Low Grow series also stand out clearly in flower trials. Their innovative nature is rated highly by industry associations like Fleuroselect and All America Selections. We are one of the few companies in the world that put so much time and effort into developing sustainable series. A further expansion of our **Low Grow** programme is planned.

Keep in touch with our latest developments on our website www.hemgenetics.com or follow us on Facebook.

Low Grow varieties



AGERATUM
CINERARIA
GERANIUM
PETUNIA
PETUNIA
SALVIA
PATIO TOMATO
PATIO TOMATO
PATIO TOMATO

Kona
Quicksilver
Nano
Limbo GP
Mambo GP
Reddy
Sweet Valentines
Funnnyplums
Plumbrella



Low Grow versus standard petunia



Ageratum Aloha blue



Ageratum Aloha White



Ageratum blue planet

AGERATUM

F1 Ageratum houstonianum

dwarf, Aloha

Early-flowering, vigorous and suited for mass-market programs. Good choice for landscapes, edging and containers.

- Blue
- White

compact, Kona **INTRO 2023**

Early-flowering, extra compact and therefore ideally suited for high-density pack production

- *Blue*



Life cycle	annual
Use	garden beds, borders, landscape
Pot size	10 cm (4")
Height in pot	7-10 cm (3-4")
Garden height	15-20 cm (6-8")
Garden spread	"15-20 cm (6-8")
Seed count	6.100 s/gram (173.000 s/oz)
Seed form	raw and pelleted



Ageratum Aloha blue versus Kona blue

tall, Blue Planet

Tall growing and very-well branched *Ageratum* that can form a nice hedge of color in the landscape, is perfect as a component in mixed containers and also outstanding for cut flower production.

- *Blue*

Life cycle	annual
Use	cutflower, garden beds, containers, landscape
Pot sizes and type	12-15 cm (5-6") and larger
Height in pot	50-60 cm (20-24")
Garden height	70-80 cm (28-32")
Width, spread	25-35 cm (10-14")
Seed count	7,100 s/gram (201,000 s/oz)
Seed form	raw and pelleted



Note

[illegible]



NEW

cherry



NEW

pink



NEW

rose flame



NEW

rose & white



NEW

scarlet



Improved

red



Improved

violet



bronze



lavender



lavender blush



mauve



orange



orange & yellow



orchid



orchid flame



peach



peach flame



red & yellow



red flame



rose



white



yellow



tricolor mixture

Snappy™

F1 Antirrhinum majus

Early flowering, strong branching plant habit and full closely spaced flower spikes makes this series excellent for beds, borders, packs and mixed patio containers. Very suitable for early spring and autumn sales as both plants and flowers can withstand frost well.

Life cycle	annual
Use	garden beds, borders, pots, containers
Pot sizes and type	packs, 10-20 cm (4-8")
Height in pot	15-20 cm (6-8")
Garden height	20-25 cm (8-10")
Width, spread	15-20 cm (6-8")
Seed count	5.950 s/gram (169.000 s/oz)
Seed form	raw and pelleted

- cherry **NEW**
- pink **NEW**
- rose flame **NEW**
- rose & white **NEW**
- scarlet **NEW**
- red **improved**
- violet **improved**
- bronze
- lavender
- lavender blush
- mauve
- orange
- orange & yellow
- orchid
- orchid flame
- peach
- peach flame
- red & yellow
- red flame
- rose
- white
- yellow
- tricolor mixture
- full mixture



Note



full mixture



appleblossom



bronze shades



peach



rose



violet



white



yellow shades



TwinnTM

double flowered ANTIRRHINUM - SNAPDRAGON

F1 *Antirrhinum majus*

A unique series with eye-catching semi-double to double open-faced flowers with a butterfly look, that grows to a garden height of 30 cm/12 in. Very suited for use in the landscape but also performs well in beds, borders and large containers. Twiny peach is an All-America Selections Winner.

Life cycle	annual
Use	garden beds, borders, pots, containers
Pot sizes and type	10-20 cm (4-8") and larger
Height in pot	25 cm (8")
Garden height	25-30 cm (10-12")
Width, spread	20-25 cm (8-10")
Seed count	6.500 s/gram (184.000 s/oz)
Seed form	raw

- *appleblossom*
- *bronze shades*
- *peach*
- *rose*
- *violet*
- *white*
- *yellow shades*
- *full mixture*



peach, yellow, bronze



Note

[illegible]



Purple Ball BASIL



Ocimum basilicum

Very aromatic Basil with tiny deep purple leaves that are densely formed on a compact globular plant. It performs well under sunny and warm weather conditions and is drought resistant.

The eye-catching purple foliage with occasional green accents is a stunning as well as delicious component in mixed containers.

Purple Ball is a Fleuroselect Gold Medal Winner.

- *Purple Ball*



Hem Genetics is appointed by NARIC as the exclusive producer and wholesale distributor for Basil Purple Ball.

Life cycle	annual
Use	garden beds, borders, pots, containers
Pot size	8-15 cm (3.5-6")
Height in pot	25 cm (10")
Garden height	25-30 cm (10-12")
Width, spread	25-30 cm (10-12")
Seed count	700 s/gram (19.800 s/oz)
Seed form	raw



Purple Ball



Note

[illegible]



red green leaf

Arrabona™

Celosia plumosa

Sturdy and well branched plant habit with an exceptionally long flowering season. Tolerant to drought, loves the heat and is excellent for tropical, subtropical and continental climates. Requires little maintenance, making it very suitable for garden beds and landscaping use.

- *Red Green Leaf* **NEW**



Hem Genetics is appointed by NARIC as the exclusive producer and wholesale distributor for Celosia Arrabona red.

Life cycle	annual
Use	larger pots, containers, landscape
Pot size	10-17 cm (4-7")
Height in pot	40 cm (16")
Garden height	35-40 cm (14-16")
Width, spread	25-30 cm (10-12")
Seed count	1.500 s/gram (42.500 s/oz)
Seed form	raw



Note

This image shows a vertical rectangular sheet of cream-colored paper. It features ten evenly spaced, horizontal light blue lines running across its width. The lines are thin and consistent in color and thickness throughout the page. There is no handwriting or other markings on the paper.



Quicksilver



Silverado



Quicksilver

-

Silverado

Dusty Miller CINERARIA

Senecio, Cineraria maritima

Quicksilver

Natural dwarf growing plant habit that stays more compact than any other variety and therefore very suited for growing in packs and small pots. Attractive finely indented silvery-grey leaves and its excellent garden performance makes Quicksilver suited for edging, landscape applications and mixed containers.



Silverado

Silverado has a normal height, taller compared to Quicksilver with leaves that are more coarsely shaped. Its more vigorous plant habit makes it suitable for use in beds, borders and the landscape.

Life cycle	annual
Use	packs, pots, garden beds, borders
Pot sizes and type	pack, 10-15 cm (4-6")
Height in pot Quicksilver	20 cm (8")
Height in pot Silverado	25 cm (10")
Garden height Quicksilver	20-25 cm (8-10")
Garden heigh Silverado	25-30 cm (10-12")
Width, spread	25-30 cm (10-12")
Seed count	1.900-2.500 s/gram (53.800-70.800 s/oz)
Seed form	profi seed and pelleted



Quicksilver - Silverado



Note

[illegible]



NEW



NEW

red

pink



NEW



NEW

violet

white



NEW

full mixture

Casanova COSMOS

Cosmos bipinnatus

Genetically dwarf Casanova is the most compact Cosmos of its type, which means that growth regulators no longer need to be used, making it therefore easier to grow and less costly in production. Recommended for growing in 10 cm (4") pots to gallon containers.

Breeder Floragran has appointed Hem Genetics as wholesale distributor.

Life cycle	annual
Use	large pots, containers, garden beds
Pot sizes and type	10-15 cm (4-6") and larger containers
Height in pot	35 cm (14")
Garden height	35-40 cm (14-16")
Width, spread	30-35 cm (12-14")
Seed count	150-200 s/gram (4.250-5.650 s/oz)
Seed form	raw

- *red*
- *pink*
- *violet*
- *white*
- *full mixture*



Note

This image shows a single sheet of white paper with horizontal blue lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Improved



salmon



crimson picotee



lavender picotee



scarlet picotee



blueberry



crimson



pink



purple centred white



red centred white



rose shades



scarlet



white



loving white

Diana

DIANTHUS

F1 Dianthus chinensis

Early to flower, a compact plant habit and an unmatched color range make the Diana series unique in its type of Dianthus. The profuse quantity of large flowers on low growing plants insures that the series is perfect for both large and small pot programs.

Life cycle	annual
Use	packs, small to larger pots, containers
Pot sizes and type	packs, 10-15 cm (4-6")
Height in pot	20 cm (8")
Garden height	20-25 cm (8-10")
Width, spread	20-25 cm (8-10")
Seed count	950-1.100 s/gram (27.000-31.000 s/oz)
Seed form	raw and pelleted

- salmon
- improved
- crimson picotee
 - lavender picotee
 - scarlet picotee
 - blueberry
 - crimson
 - loving white
 - pink
 - purple centred white
 - red centred white
 - rose shades
 - scarlet
 - white
- full mixture
 - lavandina mixture
 - picotee mixture
 - select mixture



Note





cherry picotee



crimson picotee



lilac picotee



purple picotee



crimson



pink



purple



red



rose



scarlet



strawberry



violet



white



auricula mixture

Chiba™ DIANTHUS

F1 Dianthus interspecific

Early flowering, basal branching, compact and a well-matched plant habit within the series makes Chiba well-suited for high-density pack and small pot programs. All Chiba varieties show clusters of well-rounded flowers that bloom consistently under hot, rainy and cool conditions making it an excellent garden performer.

Life cycle	annual
Use	packs, small pot programs, garden beds
Pot sizes and type	packs, 10-15 cm (4-6")
Height in pot	25 cm (10")
Garden height	25-35 cm (10-12")
Width, spread	25-35 cm (10-12")
Seed count	900-1.000 s/gram (25.500-28.300 s/oz)
Seed form	raw and pelleted

- *cherry picotee*
- *crimson picotee*
- *lilac picotee*
- *purple picotee*
- *crimson*
- *pink*
- *purple*
- *red*
- *rose*
- *scarlet*
- *strawberry*
- *violet*
- *white*
- *auricula mixture*
- *full mixture*



Note

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lavender



pink



red



Elegance

double flowered DIANTHUS

F1 Dianthus interspecific

A double flowered, first year flowering perennial that is winter-hardy to USDA Zone 5, heat and cold tolerant. The lacy lightly-scented flowers on a well-branched medium-tall sturdy plant perform well in the landscape, as a feature plant or as a component in mixed containers.

Life cycle	perennial, USDA Zone 5
Use	pots, containers, garden borders
Pot size	10-15 cm (4-6")
Height in pot	45 cm (18")
Garden height	45-60 cm (18-24")
Width, spread	35-45 cm (14-18")
Seed count	1.000-1.200 s/gram (28.350-34.000 s/oz)
Seed form	raw and pelleted

- lavender
- pink
- red
- full mixture



Note

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crimson



pink



purple



salmon



scarlet



white

Supra™ DIANTHUS

F1 Dianthus interspecific

First year flowering perennial that is winter-hardy to USDA Zone 5 is fast to flower and shows exceptionally good garden performance. Vigorous plants, heat and cold tolerant and profuse production of flowers with lacy, serrated petals make Supra very suitable for use in larger pots, garden beds and the landscape. Supra Pink and Purple are All America Selection Winners.

Life cycle	perennial, USDA Zone 5
Use	large pots, containers, garden beds, landscape
Pot sizes and type	packs, 10-15 cm (4-6"), containers
Height in pot	25 cm (10")
Garden height	25-35 cm (10-12")
Width, spread	25-35 cm (10-12")
Seed count	700-1.000 s/gram (19.850-28.350 s/oz)
Seed Form	raw and pelleted

- *crimson*
- *pink*
- *purple*
- *salmon*
- *scarlet*
- *white*
- *full mixture*



Note

[illegible]

purple



orange



orange with ring



red with ring



vanilla



yellow



yellow with ring



full mixture

Enorma GAZANIA

Gazania rigens

Extra-large flowers, 10-12 cm (4-5") in diameter, short sturdy stems and glossy dark-green foliage make Enorma very suitable for larger pots, garden beds and the landscape.

Life cycle	annual
Use	larger pots, containers, garden beds, landscape
Pot sizes and type	10-15 cm (4-6"), containers
Height in pot	20-25 cm (8-10")
Garden height	25-30 cm (10-12")
Width, spread	30-35 cm (12-14")
Seed count	400-450 s/gram (11.300-12.700 s/oz)
Seed form	coated seed

- orange
- orange with ring
- red with ring
- vanilla
- yellow
- yellow with ring
- full mixture



Note

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appleblossom



deep rose



glow



pink



pink bicolor



red



rose



rose bicolor



salmon



star



violet



white



full mixture

Apache GERANIUM

F1 *Pelargonium x hortorum*

Early-flowering Apache has a vigorous yet compact plant habit due to its heavy production of basal branches, resulting in the development of a profusion of large flowers during its long flowering period. Due to its earliness and uniformity in size and time to flower they are the best choice for high density pack and pot production. Its vigorous habit and profuse flowering is well displayed in garden beds and outdoor containers.

Life cycle	annual
Use	packs, pots, garden borders, landscape
Pot sizes and type	packs, 10-15 cm (4-6")
Height in pot	25 cm (10")
Garden height	25-30 cm (10-12")
Width, spread	25-30 cm (10-12")
Seed count	180-250 s/gram (5.100-7.000 s/oz)
Seed form	raw

- *appleblossom*
- *deep rose*
- *glow*
- *pink*
- *pink bicolor*
- *red*
- *rose*
- *rose bicolor*
- *salmon*
- *scarlet*
- *star*
- *violet*
- *white*
- *full mixture*



Note

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appleblossom



deep rose



pink



red



salmon



scarlet



scarlet bicolor



violet



white

Nano™



Pelargonium x hortorum

Nano geraniums are genetically dwarf. Plants does not stretch which make the use of growth regulators unnecessary. It develops a profusion of large flowers which contrast well with the dark foliage. It retains its compact plant habit during the growing season making them ideal for cultivation in packs, small table-top pots and smaller sized containers and window boxes.

Life cycle	annual
Use	packs, smaller pots and containers
Pot sizes and type	packs, 8-10 cm (3-4")
Height in pot	20 cm (8")
Garden height	20-25 cm (8-10")
Width, spread	20-25 cm (8-10")
Seed count	180-250 s/gram (5.100-7.000 s/oz)
Seed form	raw

- *appleblossom*
- *deep rose*
- *pink*
- *red*
- *salmon*
- *scarlet*
- *scarlet bicolor*
- *violet*
- *white*
- *full mixture*



full mixture



Note

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orange



salmon picotee



blush pink



bright eye



burgundy



cardinal



coral



lilac



pink



red



rose



rose picotee



violet



white



orange star



red star



rose star



violet star

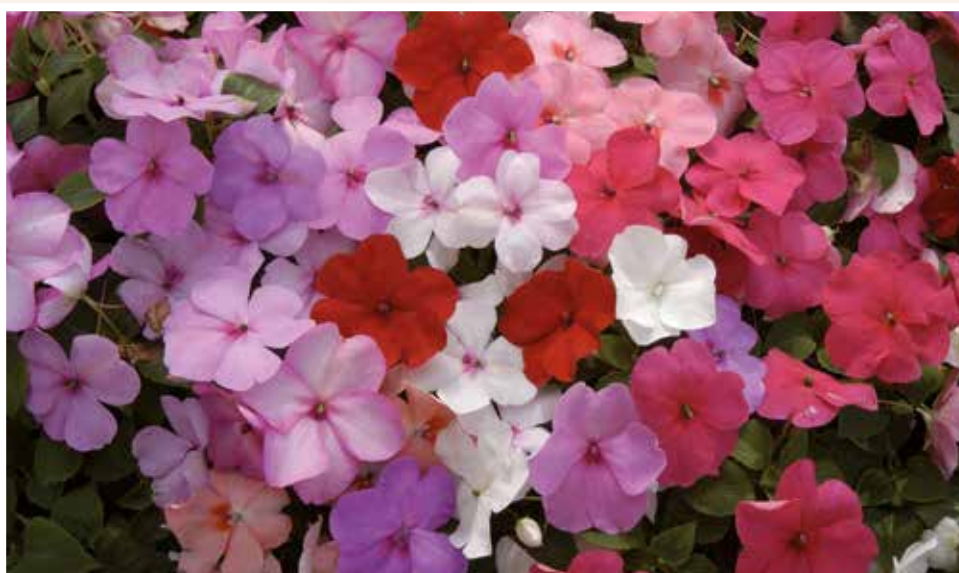
Balance™ IMPATIENS

F1 Impatiens walleriana

A well-branched habit that resists stretching and uniform flowering make Balance easy to produce and suited for high density production in packs and pots. Abundant flowering, strong garden vigor and its mounded plant habit make them ideal for garden beds, baskets and various container sizes.

Life cycle	annual
Use	packs, pots, conyainers, garden beds, landscape
Pot sizes and type	packs, 8-10 cm (3-4")
Height in pot	15 cm (5")
Garden height	15-20 cm (5-8")
Width, spread	20-25 cm (8-10")
Seed count	2.100 s/gram (59.500 s/oz)
Seed form	raw

- orange **improved**
- salmon picotee **improved**
- blush pink
- bright eye
- burgundy
- cardinal
- coral
- lilac
- pink
- red
- rose
- rose picotee
- violet
- white
- orange star
- red star
- rose star
- violet star
- Full Balance, mixture of all colors
- Star Balance - mixture of star colors
- Perfect Balance - uniform formula mixture of limited color range
- Patriot Balance - mixture of red, white and lilac
- Cool Balance - designer mix of violet, burgundy, cardinal and white



mixture of colors



Note

[illegible]



sky blue

Lovely Sky LAVANDULA

Lavandula angustifolia

A first year flowering perennial with sky-blue flowers, providing a lovely fragrance both in the garden, or indoor when dried after harvesting. Performs very well in your courtyard, herb or patio garden. Plants are highly attractive for bees and other pollinators.

- sky-blue **NEW**

Life cycle	perennial, USDA Zones 5-8
Use	pots and packs, outdoor containers, borders and beds
Pot size	10-15 cm (4-6")
Height in pot	25 cm (10")
Garden height	30-40 cm (12-16")
Width, spread	30-40 cm (12-16")
Seed count	1.100-1.250 s/gram (30.800-35.000 seeds/oz)
Seed form	profi-seed



Note

[illegible]



violet blue

Promise LAVANDULA

Lavandula angustifolia hidcote

A new variety of common or true lavender with silvery grey scented foliage and abundant flowering violet-blue flowers on tall thin stems. A perennial selection of hidcote-type with a compact plant habit, winter-hardy to USDA Zones 5-9. Great for edging along walkways, borders, rock gardens and in mass plantings. Available as profiseed with excellent and uniform germination.

- *violet blue*

Life cycle	perennial, USDA Zones 5-9
Use	pots, containers, garden beds, borders
Pot size	10-15 cm (4-6")
Height in pot	25 cm (10")
Garden height	30-40 cm (12-18")
Width, spread	30-40 cm (12-18")
Seed count	1.000-1.100 s/gram (28.350-31.200 s/oz)
Seed form	profi-seed



Note

[illegible]



Torch minty ice

Torch LAVANDULA

Lavandula multifida

Fast-growing tender perennial, USDA Zones 7-10, with downy fern-like and Oregano scented foliage and stems growing up to 75-85 cm (30-34"). Available in two colors Blue and Minty-Ice whose long-stalked flowers of 6 cm (2.5") bloom profusely from early summer into autumn. Performs very well as a landscape feature plant or as a component in mixed containers.

Life cycle	tender perennial, USDA Zones 7-10
Use	larger pots, containers, garden beds, landscape
Pot sizes and type	13 cm (5") or larger
Height in pot	40 cm (16")
Garden height	75-85 cm (30-34")
Width, spread	50-60 cm (20-24")
Seed count	1,400-1,600 s/gram (39,700-45,300 s/oz)
Seed form	profi-seed

- Torch blue
- Torch minty ice, lavender blushing white **NEW**



Torch blue



Torch blue



Note

This image shows a single sheet of white paper with horizontal blue lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

NEW



blue shades

NEW



pink shades

NEW



red shades

NEW



white shades

NEW



yellow shades

Lupini LUPINE

Lupinus polyphyllus

Dwarf type of first-year flowering hardy perennial, winter-hardy to USDA Zones 6-8. It has a short crop time with no vernalization requirement. Plants with upright flowering spikes grows up to 35-40 cm (14-16") and perform well in full sun or partial shade making them very suitable for garden beds. Also recommended for 15-20 cm (6-8") pots to gallon containers for sales as an attractive patio plant.

Breeder Floragran has appointed Hem Genetics as wholesale distributor.

Life cycle	perennial, USDA Zones 6-8
Use	larger pots and containers, garden beds, landscape
Pot size	10-15 cm (4-6")
Height in pot	35 cm (12")
Garden height	35-40 cm (14-16")
Width, spread	30-35 cm(12-14")
Seed count	50 s/gram (1.400 s/oz)
Seed form	coated seeds

- blue shades
- pink shades
- red shades
- white shades
- yellow shades
- full mixture



full mixture



Note

This image shows a single sheet of white paper with horizontal blue lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



yellow



gold



orange



flame



full mixture

Chica™ FRENCH MARIGOLD

Tagetes patula

Large-flowered 5-6 cm (2-5") double crested flowers. Early, free-flowering and compact growing plants with uniform height and well branching deliver an excellent garden performance. Very suitable for growing in packs, pots and landscape applications.

Life cycle	annual
Use	packs, pots, garden beds, borders, landscape
Pot sizes and type	packs, 8-15 cm (3-6")
Height in pot	15 cm (6")
Garden height	15-20 cm (6-8")
Width, spread	15-15 cm (6-10")
Seed count	360 s/gram (10.200 s/oz)
Seed form	clipped/de-tailed and coated seed

- yellow
- gold
- orange
- flame
- full mixture

improved



Note

[illegible]



Silver Ocean

Silver Ocean MERTENSIA

Mertensia maritima

Silver Ocean **NEW**

Perennial ornamental edible variety, very hardy to Zones 2-8 and salt-tolerant with multiple uses for gardens and landscape. Also known by common names as Oysterleaf, Oysterplant and Sea bluebells. This edible plant for gourmets has silver-blue, greenish crispy leaves with the savory taste of fresh oysters. It requires vernalization over winter to initiate flower bud production. The low spreading habit makes it ideal for rock gardens, hanging baskets and mixed containers.

Life cycle	perennial, USDA Zones 2-8
Use	pots, containers, rock gardens, flavored plants
Pot size	10-15 cm (4-6")
Height in pot	10 cm (4")
Garden height	10-20 cm (4-8")
Width, spread	30-40 cm (12-16")
Seed count	400s/gram (11.340 s/oz)
Seed Form	profi-seed



Note





Limoncello

HERBS

Melissa, a perennial herb hardy to USDA Zone 4-9 also known as Lemon Balm, is loved for its fresh lemon scent. An alternative to the traditional Lemon Balm is the Orange Balm Mandarinina which has an extraordinary orange scent. A new variety of Lemon Balm is called Limoncello, which has a very strong aromatic lemon scent that sets it apart from other varieties. Both unique varieties have a vigorous, well-branched and mounding plant habit that performs well as a ground cover and component in mixed patio containers with both herbs and flowers.

Life cycle	perennial, USDA Zones 4-9
Use	pots, containers, garden beds, herbal plant
Pot size	10-15 cm (4-6")
Height in pot	25 cm (10")
Garden height	30-40 cm (12-16")
Width, spread	30-40 cm (12-16")
Seed count Mandarina	1.250 s/gram (35.400 s/oz)
Seed count Limoncello	2.150 s/gram (60.950 s/oz)
Seed form	profi-seed

- 



Note



ocean



pure white



antique shades



blue blotched



deep marina



lemon yellow



neon purple



primrose



pure deep orange



pure mid blue



raspberry surprise



rose blotched



violet face



white blotched



yellow purple wing



beaconsfield



cherry rose



deep orange blotched



marina



pink shades blotched



primrose shades blotched



pure light blue



pure yellow



red blotched



scarlet



white rose wing



yellow blotched



yellow red wing

F1 Viola wittrockiana

Compact, non-stretching, strong basal branching and sturdy plants with flowers that stands solidly upright on short flower stems with large flowers in size of about 7 cm (2.5"). Perfectly suitable for both spring and autumn programs in packs and pots.

Life cycle	biennial
Use	packs, pots, containers, garden beds
Pot sizes and type	packs, 9-12 cm (3.5-5")
Height in pot	20 cm (8")
Garden height	20-25 cm (8-10")
Width, spread	20-25 cm (8-10")
Seed count	700-950 s/gram (20.000-27.000 s/oz)
Seed form	raw and primed

- ocean
- pure white
- antique shades
- Beaconsfield
- blue blotched
- cherry rose
- deep marina
- deep orange blotched
- lemon yellow
- marina
- neon purple
- pink shades blotched
- primrose
- primrose shades blotched
- pure deep orange
- pure light blue
- pure mid blue
- pure yellow
- raspberry surprise
- red blotched
- rose blotched
- scarlet
- violet face
- white rose wing
- white blotched
- yellow blotched
- yellow purple wing
- yellow red wing
- full mixture



Note



blue blotched



lemon shades



mid blue blotched



peach shades blotched



pink shades blotched



pure white



pure yellow



red blotched



violet face



white blotched



yellow blotched

Xtrada™

XL-flowered PANSY

F1 Viola wittrockiana

Compact yet vigorous with a strong branching plant habit. Xtrada produces extra-large flowers of about 9 cm (3.5") across. Plants have a good heat and cold tolerance so they can withstand stress and extends the Pansy season very well. Perfectly suitable for autumn and spring programs.

Life cycle	biennial
Use	packs, pots, containers, garden beds
Pot sizes and type	9-12 cm (3.5-5")
Height in pot	20 cm (8")
Garden height	20-25 cm (8-10")
Width, spread	20-25 cm (8-10")
Seed count	700-950 s/gram (20.000-27.000 s/oz)
Seed form	raw and primed

- *blue blotched*
- *lemon shades*
- *mid blue blotched*
- *peach shades blotched* **improved**
- *pink shades blotched*
- *pure white*
- *pure yellow*
- *red blotched*
- *violet face*
- *white blotched*
- *yellow blotched*
- *full mixture*



Note

[illegible]



full mixture

Trumpet PANSY

S1 Viola wittrockiana

Bridges the gap between and F1 hybrid and open pollinated Pansy varieties in terms of uniformity and price. Early to flower, plants have a compact habit and are covered with medium-large flowers. Very suited for mass market Pansy programs in packs and small pots for both spring and autumn sales.

Life cycle	biennial
Use	packs, pots, containers, garden beds
Pot sizes and type	9-12 cm (3.5-5")
Height in pot	20 cm (8")
Garden height	20-25 cm (8-10")
Width, spread	20-25 cm (8-10")
Seed count	700-950 s/gram (20.000-27.000 s/oz)
Seed form	raw and primed

- *blue blotched*
- *light blue*
- *mid blue*
- *orange*
- *orange blotched*
- *pink blotched*
- *pure white*
- *pure yellow*
- *red blotched*
- *red wing*
- *rose blotched*
- *white blotched*
- *yellow blotched*
- *full mixture*



Note

[illegible]



NEW

silver blue



NEW

yellow lime



Improved

blue



Improved

burgundy



Improved

peach



Improved

plum



Improved

rose picotee



Improved

rose veined



blue picotee



burgundy picotee



red picotee



violet picotee



blue veined



orchid veined



red veined



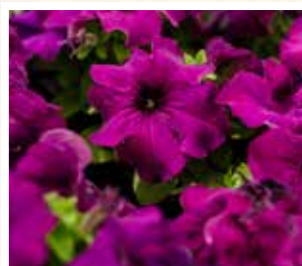
pink morn



rose morn



salmon morn



deep purple



mid blue



red



rose



salmon



sky blue



sweet pink



violet



white



NEW

pastel mixture



Limbo GP

natural dwarf PETUNIA



F1 *Petunia grandiflora*

Limbo GP, the benchmark for genetically dwarf grandiflora petunias from seed have a compact plant habit but show good vigor in the garden. Use of growth regulators is generally not necessary but growers can use a very light application if desired. Ideally suited for high-density production in packs or small pots. The genetic compact plants are topped by large showy flowers, are non-stretching and therefore easy to ship and maintain at retail, which significantly extends the plants shelf life. Limbo GP violet is an All-America Selections Winner.

- Normally NO plant growth regulators (PGRs)
- Not using PGRs allows Eco-friendly production
- Non-stretching plants are easy to ship on racks
- Longer shelf life at retail
- Vigorous in the garden
- Large showy flowers
- Best grandiflora Petunia for high-density production in packs or small pots
- Ideal for use in baskets, containers, borders and the landscape

Life cycle	annual
Use	packs, pots, containers, garden beds, landscape
Pot sizes and type	packs, 8-10 cm (3-4")
Height in pot	15 cm (5")
Garden height	15-20 cm (5-8")
Width, spread	20-25 cm (8-10")
Seed count	8.000-13.000 s/gram (227.000-368.500 s/oz)
Seed form	raw and pelleted

- | | | | |
|--------------------|----------|--|---|
| ▪ silver blue | NEW | ▪ blue | improved |
| ▪ yellow lime | NEW | ▪ burgundy | improved |
| ▪ blue picotee | | ▪ deep purple | |
| ▪ burgundy picotee | | ▪ mid blue | |
| ▪ red picotee | | ▪ peach | improved |
| ▪ rose picotee | improved | ▪ plum | improved |
| ▪ violet picotee | | ▪ red | |
| ▪ blue veined | | ▪ rose | |
| ▪ orchid veined | | ▪ salmon | |
| ▪ red veined | | ▪ sky blue | |
| ▪ rose veined | improved | ▪ sweet pink | |
| ▪ pink morn | | ▪ violet |  |
| ▪ rose morn | | ▪ white | |
| ▪ salmon morn | | ▪ full mixture | |
| | | ▪ growers mixture | |
| | | ▪ Heather's mixture (mix rose en violet) | |
| | | ▪ picotee mixture | |
| | | ▪ pastel mixture | NEW |



Note





yellow lime



deep purple



mid blue



blue veined



orchid veined



red veined



rose veined



pink morn



red morn



rose morn



blue



burgundy



peach



pink



plum



purple



red



rose



salmon



sky blue



sweet pink



violet



white



pastel mixture

Mambo GP natural dwarf PETUNIA



F1 Petunia multiflora

Mambo GP, the benchmark for genetically dwarf multiflora petunias from seed have a compact plant habit but show good vigor in the garden. Use of growth regulators is not necessary but growers can use a very light application if desired. Ideally suited for high-density production in packs or small pots. The genetic compact plants are, for a multiflora petunia, topped with extra-large showy flowers. Plants are non-stretching and therefore easy to ship and maintain at retail, which significantly extends the plants shelf life.

- *Normally NO plant growth regulators (PGRs)*
- *Not using PGRs allows Eco-friendly production*
- *Non-stretching plants are easy to ship on racks*
- *Longer shelf life at retail*
- *Vigorous in the garden*
- *Large showy flowers*
- *Best multiflora Petunia for high-density production in packs or small pots*
- *Ideal for use in baskets, containers, borders and the landscape*

Life cycle	annual
Use	packs, pots, containers, garden beds, landscape
Pot sizes and type	packs, 8-10 cm (3-4")
Height in pot	15 cm (5")
Garden height	15-20 cm (5-8")
Width, spread	20-25 cm (8-10")
Seed count	8.000-13.000 s/gram (227.000-368.500 s/oz)
Seed form	raw and pelleted

- | | | |
|-----------------|-----------------|-------------------|
| • yellow lime | NEW | • peach |
| • blue veined | | • pink |
| • orchid veined | | • plum |
| • red veined | | • purple |
| • rose veined | | • red |
| | | • rose |
| • pink morn | | • salmon |
| • red morn | | • sky blue |
| • rose morn | | • sweet pink |
| | | • violet |
| | | • white |
| • blue | | • full mixture |
| • burgundy | | • growers mixture |
| • deep purple | improved | • pastel mixture |
| • mid blue | improved | NEW |



Note

[illegible]



red veined



rose veined



salmon veined



red morn



rose morn



blue star



burgundy star



red star



rose star



blue



burgundy



pink



plum



red



rose



salmon



violet



white

Tango PETUNIA

F1 Petunia grandiflora

Traditional large-flowered or grandiflora Petunia that shows good timing and uniformity in flowering. The plants are well-branched and show excellent flower production in the garden.

Life cycle	annual
Use	packs, pots, containers, garden beds, landscape
Pot sizes and type	packs, 8-10 cm (3-4")
Height in pot	20 cm (8")
Garden height	20-25 cm (8-10")
Width, spread	20-25 cm (8-10")
Seed count	8.000-13.000 s/gram (227.000-368.500 s/oz)
Seed form	raw and pelleted

- red veined
- rose veined
- salmon veined
- red morn
- rose morn
- blue star
- burgundy star
- red star
- rose star
- all star mixture
- blue
- burgundy
- pink
- plum
- red
- rose
- salmon
- violet
- white
- full mixture



All star mixture



Note

[illegible]



red veined



rose veined



rose morn



salmon morn



scarlet morn



blue star



red star



rose star



blue



burgundy



deep violet



pink



purple



red



rose



salmon



scarlet



white

Lambada™ PETUNIA

F1 Petunia multiflora

Traditional weather resistant multiflora Petunia that blooms early, exhibit strong basal branching and are very floriferous. They provide great masses of color throughout the season making it an excellent garden or landscape performer

Life cycle	annual
Use	packs, pots, containers, garden beds, landscape
Pot sizes and type	packs, 8-10 cm (3-4")
Height in pot	20 cm (8")
Garden height	20-25 cm (8-10")
Width, spread	20-25 cm (8-10")
Seed count	8.000-13.000 s/gram (227.000-368.500 s/oz)
Seed form	raw and pelleted

- *red veined*
- *rose veined*
- *rose morn*
- *salmon morn*
- *scarlet morn*
- *blue star*
- *red star*
- *rose star*
- *All star mixture*
- *blue*
- *burgundy*
- *deep violet*
- *pink*
- *purple*
- *red*
- *rose*
- *salmon*
- *scarlet*
- *white*
- *full mixture*



All star mixture



Note

[illegible]



Rhodos

RHODOCHITON

Rhodochiton atosanguineus

The attractive bell-shaped flowers of Rhodos consist of a deep violet calyx containing a purplish-brown tubular flower. Rhodos has smoothly textured evergreen foliage. This rapidly growing climber will flower abundantly throughout summer and can grow up to a height of 300-400 cm (10-13 ft.) and spread 180 cm (6 ft).

Life cycle	annual
Use	pots, containers, hanging baskets
Pot size	15-20 cm (6-8")
Height in pot	40-50 cm (16-20")
Garden height	300-400 cm (10-13 ft)
Width, spread	300-400 cm (10-13 ft)
Seed count	3.700 s/gram (104.900 s/oz)
Seed form	profi-seed



Note





lavender



plum



purple



rose



rose bicolor



salmon



scarlet



scarlet bicolor



white

Amore SALVIA

Salvia splendens

A dwarf colorful series that bloom uniformly with flowers that are placed densely on the spikes, resulting in an excellent flower quality. Suitable for productions in packs and pots and a great garden performer.

Life cycle	annual
Use	pots, containers, garden bed, landscape
Pot size	12-15 cm (5-6")
Height in pot	45-50 cm (18-20")
Garden height	50-60 cm (20-24")
Width, spread	35-40 cm (14-16")
Seed count	250-300 s/gram (7,100-8,500 s/oz)
Seed form	raw

- *lavender*
- *plum*
- *purple*
- *rose*
- *rose bicolor*
- *salmon*
- *scarlet*
- *scarlet bicolor*
- *white*
- *full mixture*



scarlet



Note

[illegible]



Red Alert SALVIA

Salvia splendens

The compact and fiery Red Alert has a well-branched habit with an intense red flower color that contrasts well with its dark green foliage. Day length neutral Red Alert performs well in full sun and partial shade making it very suitable for landscape plantings.

Life cycle	annual
Use	packs, pots, containers garden beds, landscape
Pot sizes and type	packs, 10-15 cm (4-6")
Height in pot	25-30 cm (10-12")
Garden height	30-35 cm (12-14")
Width, spread	30-35 cm (12-14")
Seed count	250-300 s/gram (7.100-8.500 s/oz)
Seed form	raw



Note

[illegible]



pink improved



bright red



lavender



purple



salmon



scarlet bicolor



white



white surprise



Nero mixture



Cleopatra mixture

Genetically compact plant habit that doesn't stretch and are well-branched with flower spikes that rise above dark-green foliage. The use of growth regulators (PGRs) is not necessary which makes it especially suitable for plug and pack production. Plants are non-stretching and therefore easy to ship and maintain at retail, which significantly extends the plants shelf life.

- Plant growth regulators (PGRs) not needed
- Not using PGRs allows Eco-friendly production
- Non-stretching plants are easy to ship on racks
- Longer shelf life at retail
- Day-length neutral
- Especially suitable for high-density production in packs or small pots
- Splendid garden performance

Life cycle	annual
Use	packs, pots, containers, garden beds
Pot sizes and type	packs, 8-15 cm (3-6")
Height in pot	10-15 cm (4-6")
Garden height	20-25 cm (8-10")
Width, spread	20-25 cm (8-10")
Seed count	250-300 s/gram (7,100-8,500 s/oz)
Seed form	raw

- *pink*
- *bright red*
- *lavender*
- *purple*
- *salmon*
- *scarlet bicolor*
- *white*
- *white surprise*
- *Cleopatra mixture – white, salmon, bright red, scarlet bicolor and white surprise*
- *full mixture*
- *Nero mixture - white, lavender and purple*



full mixture



Note

[illegible]



Red Hill tall SALVIA

Salvia splendens

Tall type bright-red colored *Salvia* that grows up to a height of 50-60 cm (20-24"). Strongly branching from below, it forms a sturdy, robust and heat-tolerant plant with many flower spikes that continuously blooms with flowers held above its dark-green leaves. Flowers are placed densely on the flower spike, resulting in a sublime flower quality. Excellent performance in full sun and partial shade makes it very suitable for the landscape, background plantings and large containers.

INTRO 2023

Life cycle	annual
Use	packs, pots, containers, garden beds
Pot sizes and type	packs, 8-15 cm (3-6")
Height in pot	10-15 cm (4-6")
Garden height	20-25 cm (8-10")
Width, spread	20-25 cm (8-10")
Seed count	250-300 s/gram (7,100-8,500 s/oz)
Seed form	raw



Note

This image shows a single sheet of white paper with horizontal blue lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



rose



rose



orange-scarlet



orange-scarlet

SILENE

F1 Silene hybrida

Rosalyn rose NEW

A perennial day length neutral variety, winter- hardy in USDA Zones 5-9, that produces a profusion of small bright-rose lacy flowers on perfectly shaped uniform globular plants. Grows up to a height of 35-40 cm (14-16") and spread 30-35 cm (12-14"). Being an interspecific hybrid, it can adapt to a wider range of climate adaptations compared to many other *Silenes*. Can be utilized as an annual for winter to spring programs in subtropical areas.

Life cycle	perennial, USDA Zones 5-9
Use	pots, containers, garden bed, landscape
Pot size	10-15 cm (4-6")
Height in pot	30 cm (12")
Garden height	30-35 cm (12-14")
Width, spread	30-35 cm (12-14")
Seed count	3.500-4.000 s/gram (99.200-113.400 s/oz)
Seed Form	raw

Desert Glow orange-scarlet NEW

A perennial variety that is more growing upright compared to Rosalyn and winter hardy in USDA Zones 5-9. It produces many small bright orange-scarlet flowers with lacy flower petals that are attractive to pollinators. Grows up to a height of 35-40 cm (14-16") and spread 25-30 cm (10-12"). Native to Southwestern US, it makes Desert Glow perform better in drier areas.

Life cycle	perennial, USDA Zones 5-9
Use	pots, containers, garden bed, landscape
Pot size	10-15 cm (4-6")
Height in pot	35 cm (14")
Garden height	35-40 cm (14-16")
Width, spread	25-30 cm (10-12")
Seed count	1.500-1.700 s/gram (42.500-48.200 s/oz)
Seed Form	raw



Note



Dropshot



Dropshot TARGETES



Tagetes fillefolia

Annual herb that belongs to the Marigold family with a noticeable licorice or anise flavor. Well-branched and globular shaped with fine thin-tender leaves grows it to a height of 15-25 cm (6-10").

Ideal for ornamental use in pots, mixed flower and herb containers and very suitable for production of microgreens. Flowers are insignificant and Dropshot is best grown as an herb under long days to suppress flower and seed formation.

Life cycle	annual
Use	pots, containers, garden beds, microgreens, herbal plant
Pot size	8-15 cm (3-6")
Height in pot	20 cm (8")
Garden height	15-25 cm (6-10")
Width, spread	15-25 cm (6-10")
Seed count	1.200-1.300 s/gram (34.000-36.850 s/oz)
Seed form	clipped/de-tailed and coated seed



Note

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PATIO TOMATO



Solanum - Lycopersicum esculentum

Small-fruited and heart-shaped tomato with a very compact self-mounding or cascading plant habit. It grows up to a height of 30-35 cm (12-14") and produces an abundant amount of very sweet tasting fruits. Ideal for hanging baskets, pots and as a spiller component in mixed containers.

Life cycle	annual
Use	pots, containers, flavored plants
Pot size	10-15 cm (3.5-5")
Height in pot	25-30 cm (10-12")
Garden height	30-35 cm (12-14")
Width, spread	25-30 cm (10-12")
Seed count	400 s/gram (11.300/oz)
Seed form	profi-seed



Note

This image shows a single sheet of white paper with horizontal blue lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



creamy-yellow



orange



red



rosy-pink

Funnyplums™ PATIO TOMATO



Solanum - Lycopersicum esculentum

Plum-shaped fruited patio tomato with a dwarf and compact plant habit. The numerous sweet-tasted fruits ripen early and spread widely above the leaf, making it easy to pick. Best suited for production in smaller pot sizes and small containers. Presents excellently for use as a tabletop plant for kitchen or patio.

Exclusive distribution in Europe by Graines Voltz-France. Re-imported resale in Europe is not permitted.

Funnyplums has an even more compact habit than Plumbrella, 20 cm (8") and recommended for growing in 12 cm (4.5") pots.

Life cycle	annual
Use	pots, containers, flavored plants
Pot size	12 cm (4.5")
Height in pot	to 20 cm (8")
Width, spread	to 20 cm (8")
Seed count	550 s/gram (15.600 s/oz)
Seed form	profi-seed

- *creamy-yellow*
- *orange*
- *red*
- *rosy-pink*
- *full mixture*



Note

This image shows a single sheet of white paper with horizontal blue lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



rosy-pink



creamy-yellow



orange



red

Plumbrella™

PATIO TOMATO



Solanum - Lycopersicum esculentum

Plum-shaped fruited patio tomato with a dwarf and compact plant habit. The numerous sweet-tasted fruits ripen early and spread widely above the leaf, making it easy to pick. Best suited for production in smaller pot sizes and small containers. Presents excellently for use as a tabletop plant for kitchen or patio.

Exclusive distribution in Europe by Graines Voltz-France. Re-imported resale in Europe is not permitted.

Plumbrella, dwarf and compact habit, 35cm (14") and recommended for growing in 16 cm (6") pots.

Life cycle	annual
Use	pots, containers, flavored plants
Pot size	16 cm (6")
Height in pot	to 35 cm (14")
Width, spread	to 20 cm (8")
Seed count	550 s/gram (15.600 s/oz)
Seed form	profi-seed

- *rosy-pink* **NEW**
- *creamy-yellow*
- *orange*
- *red*
- *full mixture*



full mixture



Note

[illegible]



Orangelo THYME



Thymus fragrantissimus

French Thyme with the traditional thyme scent but Orangelo has overtones of a citrusy orange scent what makes it unique. It's a hardy perennial that survives to USDA zones 5a to 9b. Leaves are narrow, grey-green and during summer the cascading or spreading plants are covered with tiny blush-white flowers. In addition to being valuable in the kitchen, it's just as useful in the landscape as a fragrant low growing evergreen ground cover where it spreads up to 30-35 cm (12-14"). Also suited for growing in pots and containers.

Life cycle	perennial, USDA Zones 5a-9b
Use	packs, pots containers, garden beds, herbal plant
Pot size and type	packs, 8-15 cm (3-6")
Height in pot	15-25 cm (8-10")
Garden height	25-30 cm (10-12")
Width, spread	30-35 cm (12-14")
Seed count	5.500-6.000 s/gram (155.900-170.000 s/oz)
Seed form	profi-seed



Note



Purple Haze

Verbena bonariensis

Tall free-flowering first-year flowering perennial, winter-hardy to zones USDA Zone 7a-9b. More compact selection that still grows up to 70-100 cm (28-39"). Globular clusters of lavender to light purple flowers on well-branched stems that flowers from summer through fall. Excellent as an accent plant in the landscape or as a height divider in garden beds and extremely attractive to pollinators.

Life cycle	perennial, USDA Zones 7a-9b
Use	larger pots and containers, garden beds, landscape
Pot size	12-15 cm (5-6") and larger
Height in pot	40-60 cm (16-23")
Garden height	70-100 cm (28-39")
Width, spread	30-40 cm (12-16")
Seed count	4.750-4.900 s/gram (134.500-139.000 s/oz)
Seed form	raw and pelleted



Note

[illegible]



Dazzling Nights

Verbena rigida

Medium-tall first-year flowering perennial, winter-hardy to USDA Zones 8-11, that grows up in height to 35-45 cm (14-18"). Round clusters of purple flowers on well-branched stems blooming all season long making it attractive to pollinators. Recommended for landscape plantings, container plantings and garden beds.

Life cycle	perennial, USDA Zones 8-11
Use	pots, containers, garden beds, landscape
Pot size	10-15 cm (4-6") and larger
Height in pot	20-30 cm (8-12")
Garden height	35-45 cm (14-18")
Width, spread	30-45 cm (12-18")
Seed count	1.400-1.520 s/gram (39.700-43.000 s/oz)
Seed form	profi-seed



Note

[illegible]



appleblossom



apricot



blueberry



blush pink



burgundy



fresh red



lilac



orange with eye



orchid with eye



pink



polka dot



raspberry with eye



red with eye



white



apricot

Solar VINCA

F1 *Catharanthus roseus*

Flowers in spring up to two weeks earlier than open-pollinated Vinca and produces large flowers with overlapping petals. Strongly basal branching, it develops into a compact and sturdy plant. Due to hybrid vigor it can tolerate more stressful and withstand cooler conditions compared to open pollinated varieties. Recommended for production in all types of containers and packs

Life cycle	annual
Use	packs, pots, containers, garden beds
Pot size and type	packs, 10-15 cm (4-6")
Height in pot	20 cm (8")
Garden height	20-30 cm (8-12")
Width, spread	20-30 cm (8-12")
Seed count	500-800 s/gram (14.200-22.700 s/oz)
Seed form	raw

- *appleblossom*
- *apricot*
- *blueberry*
- *blush pink*
- *burgundy*
- *fresh red*
- *lilac*
- *orange with eye*
- *orchid with eye*
- *pink*
- *polka dot*
- *raspberry with eye*
- *red with eye*
- *white*
- *full mixture*



Note

This image shows a single sheet of white paper with horizontal blue lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



apricot



blueberry



burgundy



cherry brilliant eye



pink



rose



red



violet



white

Solar Avalanche trailing VINCA

F1 *Catharanthus roseus*

Hybrid vigor translates into well-branched plants that start to spread early creating a low-mounded trailing or spreading habit. Specifically selected for varieties that produce large flowers with overlapping petals. It withstands full sun so does very well in extreme hot and dry conditions. Most ideal for growing in packs, hanging baskets and all type of containers and are very showy additions to mixed containers.

Life cycle	annual
Use	packs, pots, containers, hanging baskets, garden beds
Pot size and type	packs, 8-15 cm (3-6")
Height in pot	20 cm (8")
Garden height	20-30 cm (8-12")
Width, spread	45-55 cm (18-22")
Seed count	500-800 s/gram (14.200-22.700 s/oz)
Seed form	raw

- *apricot*
- *blueberry*
- *burgundy*
- *cherry brilliant eye*
- *pink*
- *rose*
- *red*
- *violet*
- *white*
- *full mixture*



apricot



Note

[illegible]



apricot



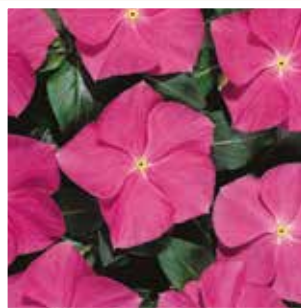
blue with eye



burgundy



cherry



deep rose



orchid



peach



peppermint



pink



raspberry



red



Santa Fe



white



full mixture

Heatwave VINCA

Catharanthus roseus

An open pollinated summer-hardy annual with a dwarf plant habit, glossy green leaves and large attractive flowers. It tolerates extreme hot, dry and full sun conditions and blooms well throughout the season. Recommended for growing in packs, pots and garden beds.

Life cycle	annual
Use	packs, post, containers, garden beds
Pot size and type	packs, 10-15 cm (4-6")
Height in pot	20 cm (8")
Garden height	20-30 cm (8-12")
Width, spread	20-30 cm (8-12")
Seed count	500-800 s/gram (14.200-22.700 s/oz)
Seed form	raw

- apricot
- blue with eye
- burgundy
- cherry
- deep rose
- orchid
- peach
- peppermint
- pink
- raspberry
- red
- Santa Fe
- white
- full mixture
- midnight mix
- southwest mix



Note

This image shows a single sheet of white paper with horizontal blue lines, resembling notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



white blotch



white purple wing



terracotta



black eye



deep blue & white



deep blue blotch



deep marina



full black



lilac purple wing



marina



mid-blue



pink yellow shades



primrose blotch



purple ice



purple yellow face



ruby & gold



twilight



violet



violet flare



violet eye



violet yellow face



white



white rose wing



white violet wing



yellow



yellow blotch



yellow red wing



yellow purple wing

Corina™ VIOLA

F1 Viola cornuta

Selected for excellent uniformity within the wide range of colors. Corina has a compact, well-branched mounded habit that insures that the plant covers the pot well. The profuse fragrant small 2.5 cm (1") flowers often entirely cover the plants which are produced continuously throughout the season. Suitable for both spring and autumn programs. Perfectly suitable for edging, rock gardens, packs, pots, hanging baskets and various containers.

Life cycle	biennial
Use	packs, pots, containers, garden beds, borders
Pot size and type	packs, 9-12 cm (3.5-5")
Height in pot	15 cm (6")
Garden height	15-20 cm (6-8")
Width, spread	20-25 cm (8-10")
Seed count	1.100-1.400 s/gram (31.000-40.000 s/oz)
Seed form	raw and primed

- | | | | |
|--|------------------------|---|--|
| <ul style="list-style-type: none"> ▪ terracotta ▪ black eye ▪ deep blue & white ▪ deep blue blotch ▪ deep marina ▪ full black ▪ lilac purple wing ▪ marina ▪ mid-blue ▪ pink-yellow shades ▪ primrose blotch ▪ purple ice ▪ purple yellow face ▪ ruby & gold ▪ twilight | <p>improved</p> | <ul style="list-style-type: none"> ▪ violet ▪ violet flare ▪ violet eye ▪ violet yellow face ▪ white ▪ white blotch ▪ white purple wing ▪ white rose wing ▪ white violet wing ▪ yellow ▪ yellow blotch ▪ yellow red wing ▪ yellow purple wing ▪ full mixture ▪ black and white mixture | <p>NEW</p> <p>improved</p> |
|--|------------------------|---|--|



black and white mixture



Note

[illegible]

General Terms and Conditions

Drawn up by Hem Genetics BV at Hem on 1 November 2015 and based on the 2012 General sales and delivery terms of Plantum for ornamental and horticulture cultivation material and plants as well as horticulture materials. Filed at the Chamber of Commerce (COC) in Woerden, The Netherlands.

Article 1 Definitions

- 1. 'Seller' refers to: the natural or legal person engaged in delivering products as indicated in article 1 part 3 and in concluding transactions regarding such products, in the broadest sense, including the purchase and sale of products, the rental and/or sale of products he has cultivated himself and reproducing flowers or plants.
- 2. 'Buyer' refers to: the natural or legal person with whom the seller enters into any agreement regarding the products indicated in article 1 part 3.
- 3. 'Product' or 'products' refers/refer to: cultivation material and/or ornamental and horticultural plants as well as horticulture materials, such as fertilizers and crop protection products.

Article 2 Area of application

- 1. These General Terms apply to all offers, sales and deliveries made by the seller and agreements concluded by the seller regarding the products as described in article 1 part 3 of these General Terms.
- 2. Any terms of the buyer, of any type and by any name are not applicable, unless expressly agreed in writing.
- 3. Divergent provisions must be agreed expressly and in writing. In as much as these provisions do not replace the provisions of these General Terms, these provisions shall be deemed to supplement these terms.
- 4. A copy of these General Terms will be provided to the buyer by the seller.

Article 3 Offers and prices

- 1. All offers are non-binding unless otherwise agreed in writing. An offer will remain valid for a maximum of 30 days.
- 2. The agreement is deemed to have been concluded by written confirmation of the offer by the buyer, unless the seller objects in writing within five days after the buyer has sent confirmation.
- 3. If an agreement is concluded by the intervention of agents, travelling sales representatives and/or other intermediaries and/or retailers, this will only bind the seller once this has been accepted by the seller in writing.
- 4. Prices are exclusive of VAT and additional expenses, including: transport charges, packaging costs, cost of quality control and/or phytosanitary inspection, import duties, government and other official levies, as well as fees under breeders' rights and any other fees, unless otherwise agreed in writing. If no price is agreed on, the seller's price in effect at the time of delivery will apply.
- 5. The seller is entitled to adjust the price, in accordance with the requirements of reasonableness and fairness, to a level to be determined by the seller, if his expenses have increased significantly since the price was set.
- 6. Unless otherwise indicated, prices are in euros (€).
- 7. If the buyer cancels the agreement, he will immediately owe 25% of the gross sale value of the to be delivered products as a cancellation charge.
- 8. In the event that the products in question prove to be unsaleable or saleable only at a lower price as a result of said cancellation, the buyer will be liable for any price differences and other damages incurred by the seller.
- 9. Both parties are obliged to limit the possible damage due to the cancellation as much as possible.

Article 4 Conditions of sale

- 1. Orders for products for which materials have to be purchased from the buyer that is not yet fully grown at the time of purchase will be accepted by the seller subject to the normal cultivation average of good plant material with a good appearance.
- 2. Complete or partial failure of the cultivation or harvest of products or partial spoilage during storage for any reason will release the seller from the obligation to deliver and his other obligations, unless attributable to an intentional act or gross negligence on the part of the seller.
- 3. If the delivery of a variety that has been ordered is not

possible for any reason, the seller is entitled to deliver another variety, or to cancel the order. The seller shall , in consultation with the buyer, make an effort to deliver a variety that is equivalent as much as possible. This replacement delivery shall take place under the same conditions as originally agreed. If the buyer does not accept another variety, the buyer has the right to cancel the order of this variety. If the order of the undeliverable variety is part of a larger agreement, then the cancellation referred to above only pertains to the undeliverable variety and the other parts of the agreement remain in effect. If delivery of another variety has been agreed, the buyer does not have the right to receive compensation for damages or to terminate the agreement.

Article 5 Delivery and transport

- 1. Delivery is EXW (ex works), in accordance with the Incoterms 2010, unless otherwise agreed. On delivery, the risk connected to the products in question, with all that is connected there to, is transferred to the buyer.
- 2. After consultation with the buyer, the seller will determine the delivery date. Delivery dates indicated are not considered deadlines. If a delivery date is agreed on, the seller will endeavor to maintain that date for delivery in as far as possible. If the seller cannot deliver on the agreed date or within the agreed period, the seller will inform the buyer about this in the timeliest manner possible. Parties will determine a new delivery date in consultation. This new delivery date will then immediately constitute the agreed delivery date.
- 3. If the buyer receives the ordered products before the agreed delivery date or period as indicated in part 2, the resulting risk is entirely for the buyer.
- 4. If the buyer receives or wishes to receive the ordered products after the agreed delivery date, the risk of any loss of quality resulting from longer storage will be entirely for the buyer.
- 5. Any extra costs due to taking earlier or later delivery of the products as referred to in part 3 or 4 of this article will be charged to the buyer.
- 6. If after a certain storage period that may be considered reasonable in view of the type of product, the buyer has not received the product and the risk of loss of quality and/or spoilage of the products leaves no other option, the order will be deemed to have been cancelled by the buyer. In that case, the buyer is obliged to pay the damage incurred by the seller as a result.

Article 6 Packaging/carts/pallets

- 1. All products are packaged in the original packaging of the seller. Single-use packaging can be charged and will not be taken back.
- 2. All packaging, except single-use packaging, remains the property of the seller.
- 3. The seller is entitled to charge the buyer an agreed user fee for reusable packaging and other durable material, which fee shall be specified separately on the invoice.
- 4. Within 30 days after delivery or immediately after planting, the buyer is obliged to return the packaging to the seller at his own expense and in good condition and under the proper hygienic conditions. If it has been agreed that the seller will collect the packaging himself, the buyer must see to it that the packaging remains in good state and under the proper hygienic conditions and store it so that the seller can collect it in a normal manner.
- 5. The buyer may not continue to use or allow third parties to use the packaging.
- 6. If carts, rolling containers or reusable pallets have been delivered with the products, then the buyer must return identical carts, rolling containers or reusable pallets with the same manner of registration (such as chip or label) within one week, unless agreed otherwise. The buyer may not keep these for his own use or allow third parties to make use of them.

- 7. In the event of damage or loss of reusable packaging, carts, rolling containers, pallets, etc., the buyer is obliged to repay the repair or replacement costs to the seller and also repay any extra rent as a result of late return.

Article 7 Payment

- 1. The seller is entitled to request an advance of 50% on the invoice amount from the buyer.
- 2. Payment must occur within thirty days after the invoice date, unless otherwise agreed.
- 3. The buyer is not entitled to reduce the purchase price by any counter-claim he may make.
- 4. The buyer is not entitled to suspend the fulfilment of his payment obligation in the event of a complaint submitted by him to the seller regarding the products delivered, unless the seller expressly agrees with the suspension in exchange for a guarantee.
- 5. All payments will be made at the offices of the seller or by deposit or transfer into a bank account to be indicated by the seller.
- 6. Payment must be made in euros (€) unless otherwise indicated on the invoice. In the last-mentioned case, the seller is entitled to charge exchange rate differences to the buyer.
- 7. If the buyer does not fulfil his payment obligation, mentioned in part 2 of this article, in time, he will be deemed to be in default by operation of law. The seller will then be entitled to charge interest at 1% monthly as from the date that the buyer is in default of fulfilling the payment obligation indicated in part 2, with a partial month being counted as a whole month. In the event of the buyer's default, the seller shall also be entitled to charge the exchange rate loss suffered as a result of that.
- 8. If the buyer is in default or otherwise falls short in fulfilling any of his obligations, all reasonable costs to obtain satisfaction, both legal and extra-legal, will be at his expense.
- 9. The seller reserves the right to not carry out, or no longer carry out, orders or agreements if previous deliveries have not been paid for by the buyer or the buyer has not fulfilled or is at risk of not fulfilling his obligations to the seller. The buyer is required to pay the damage suffered by the seller due to this. The seller is not responsible for any damage to the buyer as a result of not carrying out orders.
- 10. The buyer located in a different EU Member State than the Netherlands will inform the seller in writing of his correct VAT identification number. Furthermore, the buyer shall provide all necessary information and documents that the seller requires as proof that he products have been delivered in a different EU Member State than the Netherlands. The buyer will indemnify the seller for all claims resulting from and all negative consequences of the buyer not or not entirely complying with the provisions in this article. The seller reserves the right to increase the price payable by the buyer with the VAT rate that would apply to the delivery in question in the event of delivery within the Netherlands.

Article 8 Force majeure

- 1. Force majeure refers to any circumstance outside the direct sphere of influence of the seller, as a result of which fulfilment of the agreement can no longer reasonably be expected. This may include strikes, fire, extreme weather conditions or government measures and diseases and plagues on the one hand or faults in the materials supplied to the seller on the other hand.
- 2. If the seller cannot fulfil its obligations because of force majeure, the seller must inform the buyer of the circumstances in writing as soon as possible.
- 3. In the event of force majeure, the parties will agree a change to the agreement or complete or partial dissolution of the agreement.
- 4. If the parties cannot agree on a change or dissolution within 10 days after the written notice of the circumstances in question, either of the parties may then apply to the court which is deemed competent by virtue of article

Article 9 Unforeseen circumstances

1. In the event of unforeseen circumstances on the part of one of the parties that are so serious that, in view of the requirements of reasonableness and fairness, the other party may not expect that the concluded agreement will remain in effect unchanged, the one party will inform the other party about the unforeseen circumstances in writing and the parties will consult about a change of the agreement or about the complete or partial dissolution of the agreement.
2. If the parties cannot agree on a change or dissolution within 10 days after the written notice of the circumstances in question, either of the parties may apply to the court deemed competent by virtue of article 14.

Article 10 Guarantees and complaints

1. The seller guarantees that the products that are to be delivered on the basis of the order will comply with the requirements set out in the applicable regulations of Dutch testing authorities in effect at the time of concluding the agreement.
2. The seller does not guarantee the trueness to variety of the products that are generally known to branch back.
3. The seller does not guarantee the growth and blossoming of the products delivered.
4. The buyer will at all times be provided with all requested cultivation information to the best of the seller's knowledge and abilities, by or on behalf of the seller, but without any liability on behalf of the seller.
5. The seller registers the crop protection products that he uses in his own records. Copies of this registration will be made available to the buyer upon request.
6. Complaints regarding visible defects, including those regarding the quantity, size or weight of the products delivered, must be indicated to the seller within two days after delivery and the seller must be informed in writing within eight days.
7. Complaints regarding non-visible defects must be indicated to the seller immediately after detection (within two days at the latest) and the seller must be informed in writing within eight days.
8. Complaints must also be indicated to the seller at such a time that the seller can check the product.
9. A complaint must at least include:
 - a. A detailed and accurate description of the defect;
 - b. The storage location of the product to which the complaint refers;
 - c. A specification of facts on the basis of which it can be determined that the products delivered by the seller and those rejected by the buyer are the same.
10. When the products delivered are rejected by the buyer under the terms of this article and the buyer and the seller do not immediately agree on an amicable settlement, the buyer must then appeal to an independent, officially accredited expert who will compile an expertise report. The costs of the expertise report will be for the seller if the rejection is justified and for the buyer if it is not justified. In any case, the buyer shall advance the costs in question.
11. Complaints regarding a portion of the products delivered cannot give rise to rejection by the buyer of the entire delivery.
12. The buyer is obliged to check the delivered quantity of the shipment delivered, or have this checked, on receipt and to report a deviation of the quantity to the seller in accordance with part 6 of this article.
13. Expressing a complaint does not suspend the buyer's obligation to pay, regardless of any justification of a complaint.

Article 11 Liability

1. The seller accepts no liability whatsoever, unless in one of the cases specified in this article. In such a case, the liability of the seller will be limited to no more than the amount of the invoice. In no event whatsoever, shall the seller be liable for any form of consequential damage, loss of turnover or loss of profit.
2. The seller is not liable for damages due to force majeure as indicated in article 8 part 1.
3. All liability regarding non-timely delivery by the seller is hereby excluded, unless the agreed delivery date referred to in article 5 part 2 is exceeded by more than seven days. If the delivery date is exceeded by more than seven days, the seller must be given written notice of default, whereby the

- buyer must set a reasonable period for the seller to fulfil his obligations as yet.
4. Compensation in the event of a complaint can only take place if the complaint, submitted in accordance with article 10, proves to be justified and provided that there is culpability or conscious negligence on the part of the seller. Moreover, the compensation shall be limited to the part of the delivered goods to which the complaint pertains.
 5. In the event of a partial failure of the cultivation at the buyer as a result of the delivered products, then, if the seller is required to pay compensation for damages by virtue of part 4 of this article, the compensation of damages payable by the seller shall not exceed the percentage of the invoice value that equals the portion of the cultivation that failed at the buyer. If, when the damage is reported, the seller and the buyer jointly determine or a third party determines the percentage of deviating, diseased or weak plants, this percentage will determine the seller's maximum liability.
 6. The buyer may not deduct damage compensation from any outstanding amounts payable to the seller and damage compensation does not entitle the buyer not to pay the invoice amount or not to pay this timely.
 7. Both parties are obliged to ensure that any damage is limited as much as possible.
 8. Each possible claim regarding compensation for damages pursuant to these General Terms expires, if and as soon as one year has passed since the delivery of the products in question when the claim has not been submitted to the seller in writing.
 9. Any possible guarantees/warranties on the part of the seller expires if the buyer of the products processed or has them processed, repackages or has them repackaged or has used the products incorrectly.
 10. Product photos in the catalog and on the Hem Genetics website are provided for illustrative purposes only. No rights can be derived from the use of these photos.

Article 12 Transfer of ownership, retention of ownership and surety

1. Except for the terms of part 2 of this article, ownership of the products is transferred to the buyer at the time of delivery under article 5 of these General Terms.
2. All delivered and to be delivered products, and the products arising therefrom, irrespective in which stage of the cultivation process, remain the sole property of the seller, until all claims that the seller has or acquires vis-à-vis the buyer, including in any case the claims specified in Book 3, Section 92, Subsect. 2 of the Dutch Civil Code have been paid in full.
3. As long as the ownership of the products has not been transferred to the buyer, the buyer may not pledge the products or grant any other right to these products to third parties, except within the context of his normal business operations. The buyer undertakes upon the seller's first request to cooperate in establishing a pledge right on the receivables that the buyer acquires or shall acquire following the delivery of the products to his customers.
4. The buyer is obliged to store the products that have been delivered subject to retention of title with the necessary care and in such a manner that the products can be identified by the seller.
5. The seller is entitled to repossess the products delivered subject to retention of title and that are still located at the buyer if the buyer is in default with regard to the fulfilment of his payment obligations or is experiencing payment difficulties or threatens to experience payment difficulties. The buyer shall grant the seller free access to his premises and/or buildings for the inspection of the products and/or in order to exercise the seller's rights.
6. If there is any doubt in the mind of the seller regarding the ability of the buyer to pay, the seller will be entitled to defer performances until the buyer has provided surety for the payment. If the buyer has not provided surety for the payment within fourteen days after being ordered to do so, the seller is entitled to terminate the agreement by cancellation. In this case, the buyer will be liable for the expenses incurred by the seller.

Article 13 Protection under breeders' rights or contractual protection of varieties

1. The delivered products may only be used by the buyer to cultivate end products at the buyer's business premises.

- The end product may only be sold by the buyer under the relevant variety name and trademark if applicable.
2. Starting material and plant material of species protected by a breeders' right applied for or granted in the Netherlands or any other country or by a contractual transfer provision may not be used to further reproduce the variety. Furthermore, illegally reproduced starting material and plant material may not be:
 - a. treated for the purpose of reproduction
 - b. brought into the realm of commerce,
 - c. traded further
 - d. exported
 - e. imported or kept in stock for one of these purposes.
 3. The seller is entitled to access to the business premises of the buyer or lots under the buyer's control where the starting or plant material delivered by the seller is located to view and/or assess said material. The seller will inform the buyer of his arrival in a timely manner.
 4. The buyer is obliged to provide immediate access to his business and the crops to inspection authorities carrying out inspections on behalf of the owner of a variety delivered to him. Upon request, the buyer must also provide immediate access to his records, such as invoices, that are relevant to this inspection.
 5. If the buyer finds a mutant in the protected variety, he must immediately inform the holder of the breeders' right and/or his representative by registered letter.
 6. At the written request of the holder of the breeders' right and/or his representative, the buyer will provide the holder of the breeders' right and/or his representative, within two months of receiving the request, with test material of the mutant, free of charge.
 7. The buyer is aware that the finder of a mutant, being an essentially derived variety, in the protected variety requires the permission of the holder(s) of the breeders' right regarding the 'parent variety' to exploit the mutant.
 8. In particular, the buyer is aware that the finder of a mutant requires the permission of the holder of the breeders' right regarding the 'parent variety' to carry out the actions indicated in part 2 regarding all material of the mutant, including harvested material (therefore also flowers, plants and/or plant parts).
 9. The buyer is obliged to provide all cooperation desired by the seller, including cooperating in collecting evidence, in the event that the seller becomes involved in proceedings regarding breeders' rights or other intellectual property rights.
 10. The buyer grants permission to wholesalers, auctions, importers and/or exporters to provide information to the holder of the breeders' rights and/or his representative regarding the quantity of harvested product that the buyer trades of the variety of the holder of breeders' rights. In addition, the buyer grants specific permission to the auctions to provide information to the holder of the breeders' rights and/or his representative regarding the quantity of his product that is traded at the auction under the code 'other.'

Article 14 Dispute settlement

1. Dutch law applies to all agreements to which these General Terms apply in whole or in part.
2. All disputes (even those deemed as such by only one party) regarding or arising from the agreements concluded between the seller and the buyer, to which these General Terms apply, can be settled by the Dutch court that is competent in the area in which the seller is established. In addition, the seller is entitled at all times to summon the buyer to appear before the court which is competent by law or by virtue of the applicable international convention.

Article 15 Final clause

If and insofar as any part or provision of these General Terms proves to be contrary to any compulsory provision of national or international law, it will be deemed not agreed on and these General Terms will otherwise bind the parties. The parties will then confer to arrive at a new provision corresponding as much as possible to what the parties intended.



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