



Černý

FLOWER SEED CATALOGUE

2023–2024

Introduction

Dear Customers

The rainy and cold spring in Europe this year was a source of anxiety for many growers, especially for those planting outdoor beds in urban settings and in parks. The hot summer weather which followed, accompanied by sudden storms and torrential rains, also thoroughly tested the quality and resistance of flowers produced by Černý Seed s.r.o. in climatic conditions which in recent years have brought with them a number of unpredictable changes.

Climate change is also a major challenge for breeders. Their work focuses, among other things, on creating flowers which will prove resistant to extreme conditions. This is one of the reasons why we continue to develop our work in breeding of Vinca and the popular **Volcano F1** group has been extended to include the two new colours **Blush F1** and **Scarlet Eye F1**, which, just like the other varieties in this group, are extremely hardy.

However, the star of the show is our new premium group **pollen-free Pelargonium Falcon F1**, which we are introducing in the key colours **Orange F1**, **Scarlet F1**, **Salmon F1**, **Violet F1** and **White F1**. These varieties are not only pollen-free, but also have a self-cleaning effect which reduces plant maintenance to the absolute minimum and ensures endless flowering throughout the season.

Other welcome additions to our range for example include the **Begonia interspecific Sensation F1 Red with Green Leaves** and the double and semi-double flowering **Begonia semperflorens FlowerBall F1 Rose** which extend the popular groups you know so well to include key colours, increasing not only their attractiveness but also options for combining them in beds and pots.

A unique new product, unparalleled anywhere else in the world, is our early **Petunia multiflora Eyelash F1** group with veining extending to halfway of the flower and forming a circular pattern. Three colours will be available for the time being (Orchid, Salmon, Light Purple and a mixture of these). More are certain to follow in the near future.

Last but not least, the **Dot Star F1** petunia - one of the most commercially successful groups and most popular among consumers - is enhanced by the addition of the **Dark Violet Improved** variety which offers significantly more compact growth and more stable dots and spots even on hot days. Treat your customers to this great product too.

The sales achieved during the past season and the continuously expanding territories we serve continue to convince us that we are on the right track and that the seed market is not nearly as saturated nor as conservative as it might seem at first glance.

The driving force behind our work and innovation is you, our satisfied customers. Thank you for your cooperation and support, and for the opportunity to make the world a more beautiful and friendlier place together with you.

We look forward to working with you in the new sales season!

Best regards

Jan Černý

Jakub Černý





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12



13



14

Petunia hybrida multiflora nana
"Eyelash F1" Series

01 E1232
Eyelash F1 Orchid

02 E1233
Eyelash F1 Salmon

03 E1234
Eyelash F1 Light Purple

04 E1235
Eyelash F1 Mix



Petunia hybrida multiflora nana

05 E339
Dot Star F1 Dark Violet – Improved

Begonia semperflorens

06 E066 FlowerBall F1 Rose

Begonia interspecific
variety with green leaves

07 E114 Sensation F1 Red

Catharanthus roseus

08 E1059 Volcano F1 Scarlet Eye

09 E1058 Volcano F1 Blush

Pelargonium × hortorum
"Falcon F1" Series

10 E1223 Falcon F1 Orange

11 E1224 Falcon F1 Scarlet

12 E1222 Falcon F1 Salmon

13 E1225 Falcon F1 Violet

14 E1221 Falcon F1 White

PETUNIA HYBRIDA GRANDIFLORA NANA

PETUNIA HYBRIDA NANA

We offer an original assortment of hybrid petunias, which belong to the group of multiflora and grandiflora petunias. These varieties have been specially cultivated for the specific climatic conditions in Central Europe. They perform excellently in sunny and warm summers but nor do they disappoint in cold and rainy weather.

PETUNIA HYBRIDA GRANDIFLORA NANA

Resistant to harsher climatic conditions, plant height 40–45 cm, well-branched, free-flowering until the end of the vegetation season, flower size 7–10 cm, excellent in flower boxes and containers. Ideal for places protected from wind and rain.



11–13
weeks



7–10 cm



40–45 cm



flower pots /
beds



pellets /
raw seeds





1



2



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10

01

E207
Půvab F1
white

02

E208
Úsměv F1
star-type red and white bicolor pattern

03

E209
Láska F1
red

04

E210
Přátelství F1
rose pink

05

E211
Radost F1
carmine rose

06

E212
Touha F1
burgundy

07

E214
Sněží F1 - Improved
An improved type of one of the most popular and most attractive varieties of the group of large-flowered petunias. Richly blooming, flowers of light purple shades with distinctive purple veins. The plants are well-branched and highly compact.

08

E567
Mládí F1
salmon pink

09

E677
Naděje F1
sky blue

10

E370
Záře F1 - Improved
A variety with deep yellow flowers contrasting strongly with other colours, large-sized flowers, plant height 30–35 cm.

PETUNIA HYBRIDA GRANDIFLORA NANA

"MISTRAL F1" SERIES

"Mistral F1" is a group of modern well-performing varieties with large blooms. The plants are characterised by low growth 30–35 cm, high compactness of the plant and resistance to adverse weather. They are early-flowering throughout the season with large blooms with a diameter of 8–10 cm; suitable for potting as well as for bed planting. The "Mistral F1" series is comparable with the very best groups in the ranges on offer.



10–11
weeks



8–10 cm



30–35 cm

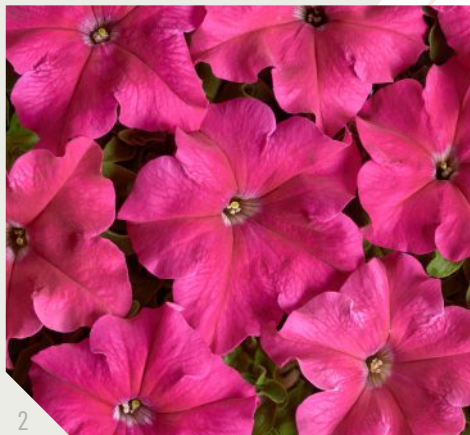


flower pots /
beds



pellets /
raw seeds





01

E007
Mistral F1 Pearly
pale pearly pink

02

E452
Mistral F1 Rosy
dense intense shade

03

E453
Mistral F1 Deep Blue
Older flowers become brighter around the gorge, resulting in a combination of colour shades that increases the attractiveness of this variety.

04

E509
Mistral F1 Bright Red

05

E600
Mistral F1 Burgundy
deep shades of burgundy

06

E227
Mistral F1 White



PETUNIA HYBRIDA MULTIFLORA NANA

Hybrids resistant to bad weather. Plants reach a height of 30–35 cm, well-branched, free-flowering, flower size 5.5–6.5 cm, suitable both as a bedding plant and for balcony boxes and containers. Rapid recovery from rain damage. Ideal for use in city parks and gardens.



11–13
weeks



5.5–6.5 cm



30–35 cm



flower pots /
beds



pellets /
raw seeds





1



2



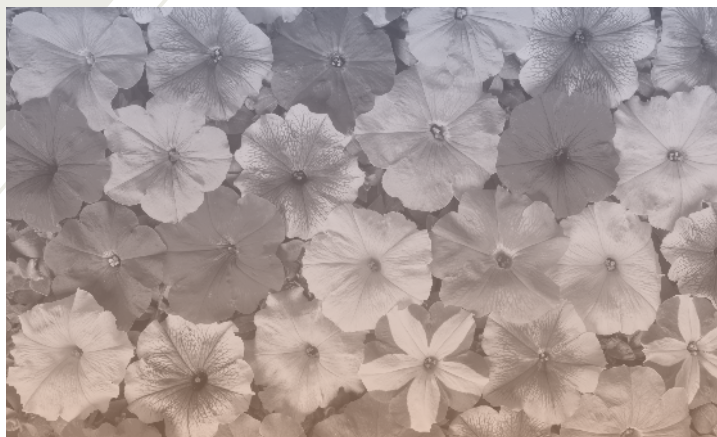
3



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10

01 E190
Angelika F1
white

02 E194
Marika F1
red

03 E196
Rita F1
bright rose pink with veins

04 E197
Sylvie F1
burgundy

05 E198
Lucie F1
lilac

06 E199
Dita F1
sky blue

07 E200
Andrea F1
blue violet

08 E205
Berenika F1
yellow

09 E778
Simona F1
glossy pink

10 E779
Yvetta F1
light salmon, unique shade

PETUNIA HYBRIDA MULTIFLORA NANA

Special varieties of petunias with unusual colours and colour combinations

01

E538

Alenka F1

Bright pink blossom with tall yellow gorge following the main venation pattern up to the blossom.



1



11-13
weeks



5.5-6 cm



30-35 cm



flower pots /
beds



pellets /
raw seeds





PETUNIA HYBRIDA MULTIFLORA NANA

02

E523

Ingrid F1

This shade, unique in the world, provides a completely new dimension to the group of multiflora veins in a star petunia. It flowers with rich beautiful creamy yellow blooms with distinct brownish-yellow veins stemming from the gorge and reaching up to one third of the flower. The plants are well-branched, compact, growing to a height of 30–35 cm. The diameter of the blooms ranges from 5.5 to 6 cm.



2

PETUNIA HYBRIDA MULTIFLORA NANA

01

E835

Sophia F1

An improved type of the variety introduced earlier. New plants are more compact and lower, pale pink flowers with distinctive bright pink veins in a star formation. The customer gets an improved quality version of one of the most popular varieties in the group of petunia multiflora.

02

E203

Nora F1

delicate blue with bright blue veins in a star formation

03

E204

Brigitta F1

light violet with deep violet veins in a star formation

04

E539

Claudia F1

Blossoms are light salmon pink in colour with a distinctive dark salmon pink star-like venation pattern around the gorge. These are spreading plants, compact, achieving 30 cm in height and very rich in blossom, with a blossom size of 5.5–6 cm.

05

E191

Belinda F1

star-type deep rose and white bicolour pattern

06

E192

Kristina F1

star-type burgundy and white bicolour pattern

07

E193

Henrietta F1

star-type red and white bicolour pattern



1



2



3



4



5



6



7



11–13 weeks
(Claudia F1
11 weeks)



5.5–6.5 cm



30–35 cm



flower pots /
beds



pellets /
raw seeds



1



2



3



4



5



6



PETUNIA HYBRIDA MINIFLORA

"PETIT F1" SERIES

A very early variety. Several flowers always come into bloom at the same time. They create a very densely branched compact little bush. Flower size is 4–5 cm. They are intended in particular for planting in containers but also grow well in beds. They grow to a height of 20 cm. Hybrids are resistant and flower abundantly throughout the whole season. Cultivation is practically the same as with other petunias.

01

E596
Petit F1 Red

02

E595
Petit F1 Deep Salmon

03

E597
Petit F1 Violet

04

E599
Petit F1 Blue

This is the earliest variety in the series, blooming after 9–10 weeks from sowing. Richly blooming with small flowers of a deep blue colour.

05

E433
Petit F1 Carmine Rose
vivid and intense colour shade

06

E598
Petit F1 Red Vein

Red flowers with a distinct pattern created by the veins, the latest variety, extends the popular group of dwarf petunias to include a new highly attractive colour combination.



10–11
weeks



4–5 cm



20 cm



flower pots /
boxes



pellets

PETUNIA HYBRIDA MULTIFLORA NANA

"DOT STAR F1" SERIES

A unique series of petunias with white dots and spots

A combination of vibrant and rich colours with white dots and spots on the petals gives the flowers an unprecedented and highly attractive appearance. The shape, frequency and intensity of the little white patterns on the petals can change during hot or changeable weather. This makes every flower a unique original.

Just like the other multiflora petunia from the Černý Seed Company, the "Dot Star F1" series also boasts a high level of resilience to bad weather.

Plants grow to a height of 30–35 cm, branch well and bloom abundantly, with flowers that have a diameter of 6–7 cm. They are suitable for beds, planters and pots. They quickly regenerate after heavy rain and regain their impressive appearance. Available only as pellets.

The "Dot Star F1" group has been bred over many years by plant selection and its genetics do not come from commonly available varieties from cuttings.



11–13
weeks



6–7 cm



30–35 cm



flower pots /
beds



pellets



01

**E339
Dot Star F1 Dark Violet
Improved**

dark violet with white dots and spots,
lower and more compact growth

02

**E340
Dot Star F1 Deep Pink
Improved**

deep pink with white dots and spots, lower
and more compact growth

03

**E341
Dot Star F1 Red**

bright red with white dots and spots

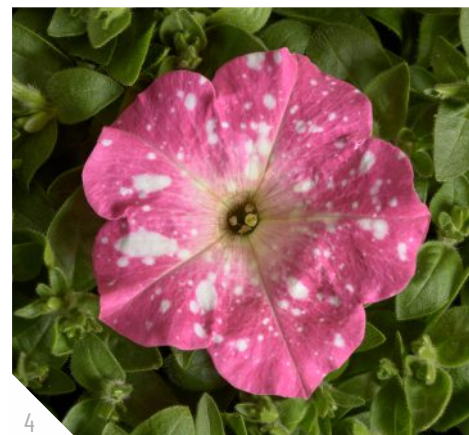
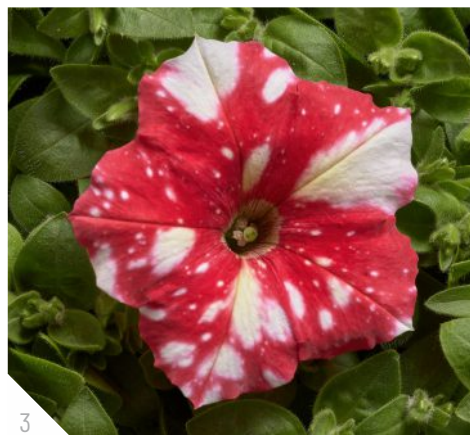
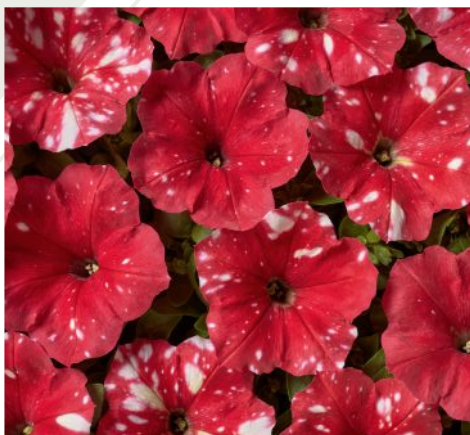
04

**E342
Dot Star F1 Rose**

rose with white dots and spots



2



3

4



PETUNIA HYBRIDA MULTIFLORA NANA

"EYELASH F1" SERIES

A unique, premium series of multiflora petunias. They are characterised by a **circular venation** which extends halfway into the flower, creating an impressive eye-catching colour transition. The varieties in this group have a compact and uniform growth habit, which makes it easy to combine various colours, and the **flowers are 6.5–7 cm in diameter**. They grow to a height of **25–30 cm**. They are perfect for containers, hanging baskets and for use as bedding plants. Seeds are supplied only in pelleted form.



11–12
weeks



6.5–7 cm



25–30 cm



flower pots /
flower beds



pellets





01

E1232
Eyelash F1 Orchid
orchid with dark circular venation

02

E1233
Eyelash F1 Salmon
salmon with dark circular venation

03

E1234
Eyelash F1 Light Purple
light purple with dark circular venation

04

E1235
Eyelash F1 Mix



1

2

3

4

PETUNIA HYBRIDA PENDULA GRANDIFLORA

"AVALANCHE F1" SERIES

This is a unique group of overhanging hybrid petunias. When cultivated correctly, eight colour shades create a true "avalanche" of large flowers in bright and pastel colours. Flowers can reach 7–9 cm in diameter. Young plants are erect at first. Only after having grown, does their own weight make them fall and spread further in cascades. It is important to replant them correctly and to keep the plants growing continuously.

Very impressive in balcony flower boxes, large hanging baskets and bowls etc. The ideal location is in a sunny area. They need regular watering and fertilisation during the whole vegetation period.



11-13
weeks



7-9 cm



overhang
50 cm



flower pots /
boxes



pellets /
raw seeds





1



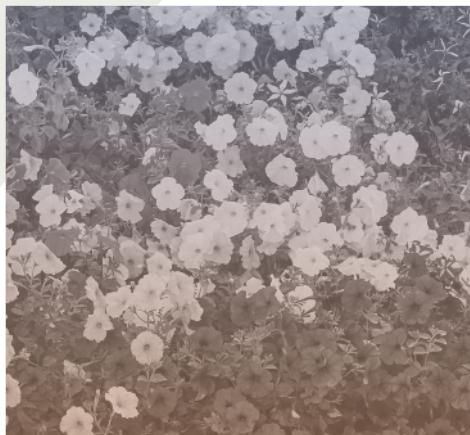
2



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01

E494
Avalanche F1 Red

02

E216
Avalanche F1 White

03

E634
Avalanche F1 Salmon

04

E635
Avalanche F1 Rosa

05

E636
Avalanche F1 Purple Red

06

E637
Avalanche F1 Purple Red Star

07

E727
Avalanche F1 Yellow Star
Pale yellow flower with distinctive deep yellow veins coming from the centre and creating a star formation.

08

E728
Avalanche F1 Blue Star
star-type bicolour white and deep blue, unique combination of colours

PETUNIA HYBRIDA MULTIFLORA SPREADING TYPE

"VELVET F1" SERIES

The "Velvet F1" series of varieties is intended especially for planting in containers such as flower boxes, hanging baskets or raised containers to emphasise their overhanging character. They create a massive cascade and bloom throughout the entire season. If cultivated correctly, they bloom on the whole surface of the plant. Thanks to the length of their overhanging shoots reaching 80–100 cm, the varieties of the "Velvet F1" group can compete with varieties grown from cuttings.

All the "Velvet F1" varieties can also be planted in flower beds where they grow together over a short period of time and create a flower carpet about 25 cm high. Excellent health, exuberant growth, blossoms of medium size and high seed germination are the great advantages of these varieties. Prices of seeds delivered are also attractive. The method of cultivation does not differ from other petunia groups. Plants have a creeping character from the very beginning. Proper nutrition has a positive influence on the length of the spreading cascade.



11–15
weeks



overhang
80–100 cm



flower pots /
boxes



pellets





01

E315

Velvet F1 Purple

A time-proven and still very popular variety. Intense violet-purple blossoms with a dark throat, size 5.5–6 cm, plants create a cascade reaching 100 cm.

02

E495

Velvet F1 Salmon Shades

An attractive variety with interesting flowers in fine pastel shades of salmon, flower size is 7–8 cm. The spreading cascade can reach about 80 cm.



1

2



PETUNIA HYBRIDA GRANDIFLORA SPREADING TYPE

"DIAMOND F1" SERIES

Globally unique series – a truly cascading petunia grandiflora grown from seed

A group of original overhanging varieties from the Černý Seed Company, which can boast the largest spreading cascade among seed-grown grandiflora varieties. These well-branched plants grow luxuriantly and create an impressive 80–100 cm cascade. The varieties are rich in blossoms, the size of which is 7.5–10 cm. They are intended for planting in raised flower containers, window boxes and big hanging baskets, which can show their overhanging character to good advantage. They can also be used for bed planting. The plants have a creeping growth habit. They grow together in a short period of time, creating a colourful carpet about 20–25 cm high. Like all luxuriantly growing petunias, they are more demanding on nutrients.





01

**E009
Diamond F1 Pearly Shades**

This variety creates an abundance of blossoms in fine shades of pearl-light violet, flower size is 7.5–8 cm, cascade 80 cm.

02

**E004
Diamond F1 Purple**

Intense dark purple-dark violet, flower size 7.5–8.5 cm. Spreading cascade 100 cm. Luxuriant growth.



11–15
weeks



overhang
80–100 cm



flower pots /
boxes



pellets

PETUNIA HYBRIDA GRANDIFLORA FIMBRIATA NANA

A group of traditional varieties with fringed flower edges. Thanks to the interesting colour combinations and full blooms, the "Pozdrav z Jaroměře" variety ranks among the mainstays of our range. They are especially suitable for sheltered places.



12–14
weeks



35 cm
(E217: 35–40 cm)



flower pots /
beds



pellets /
raw seeds



1



2

01

**E218
Krajkový závoj**

Large white flowers with corrugated and frayed edges, flower size 8 cm, plant height 35 cm, this variety is especially suitable for flower pots and boxes.

02

**E219
Karkulka**

A variety with large flowers with corrugated and frayed edges, flowers 6 cm in diameter, beautiful colour, dark pink-violet spots and stripes on a white background, height 35 cm, suitable for both flower pots or boxes and flower beds.

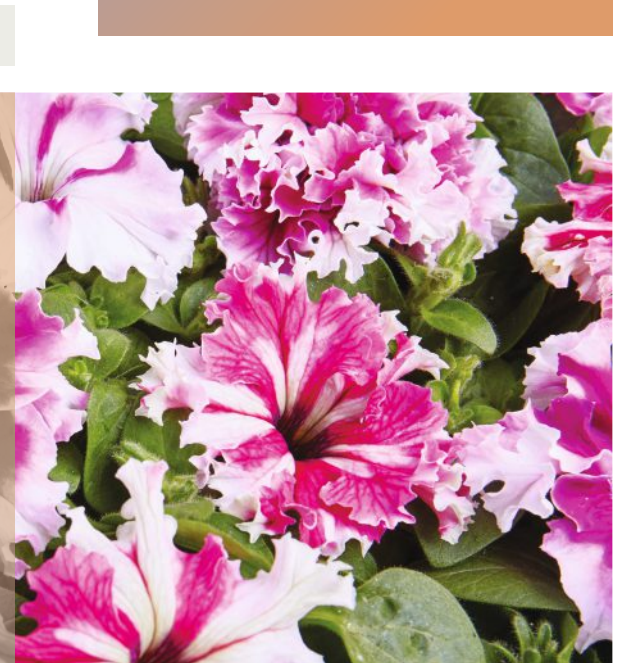
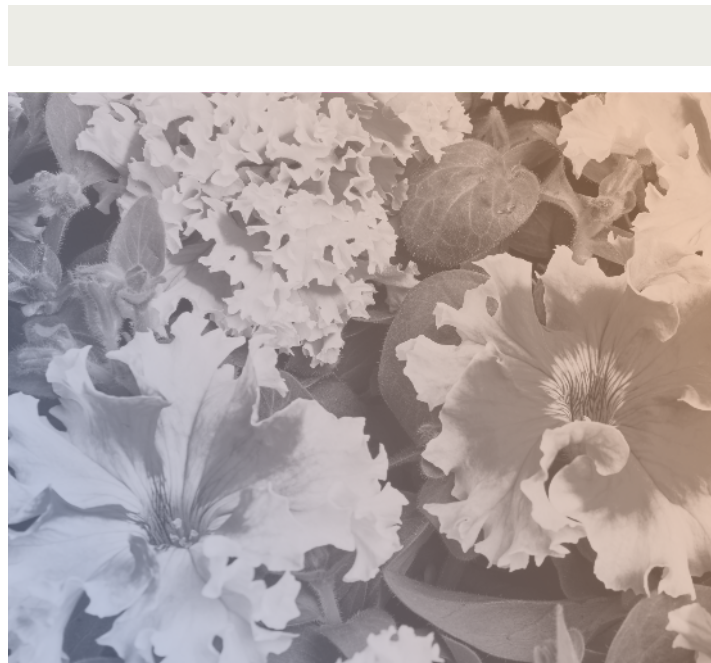
03

**E217
Pozdrav z Jaroměře**

Large flowers 6–7 cm in diameter, pink and violet stripes on a white background, 50% of plants have double flowers, 50% of plants have single flowers, height 35–40 cm.



3



PETUNIA HYBRIDA GRANDIFLORA FIMBRIATA NANA

"APHRODITE F1" SERIES

A group of hybrid varieties with rippled and fringed flower edges. These are resistant varieties which grow well and exuberantly. Can also be successfully grown in worse climatic conditions. The plants are bushy and grow to a height of 35 cm. Flower size is 8–9 cm.

Can be grown in flower beds or in boxes. If planted in a window box, they create a slight overhang. The plants flower abundantly.



11–13
weeks



8–9 cm



up to 35 cm



flower pots /
beds

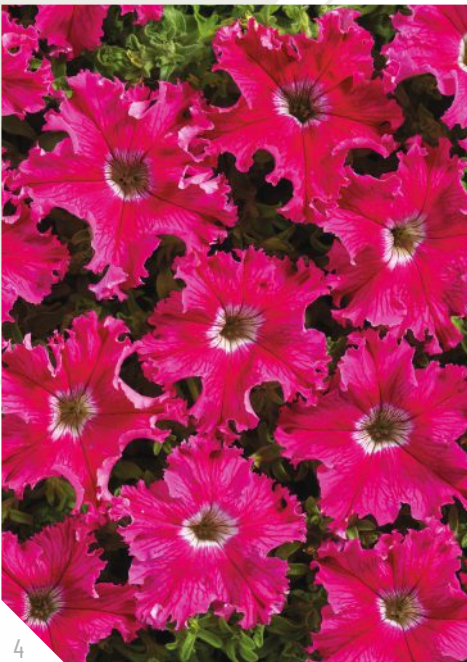


pellets /
raw seeds





- 01 E450
Aphrodite F1 Purple
- 02 E446
Aphrodite F1 White
- 03 E447
Aphrodite F1 Salmon
- 04 E448
Aphrodite F1 Rosy
- 05 E451
Aphrodite F1 Red



PETUNIA HYBRIDA GRANDIFLORA SUPERBISSIMA NANA

This group of varieties represents a speciality in our product range. They are especially appreciated for their giant flowers of unusual colours, which are about 16 cm in diameter and have ruffled and frayed edges. In contrast to usual diploid varieties these ones are tetraploid, which has an effect on their appearance and character.

The plants are robust, high, weakly branched. Especially suitable for flower boxes and containers but they can be used successfully as bedding plants as well.



13–15
weeks



up to 16 cm



flower pots /
beds



pellets /
raw seeds





1



2



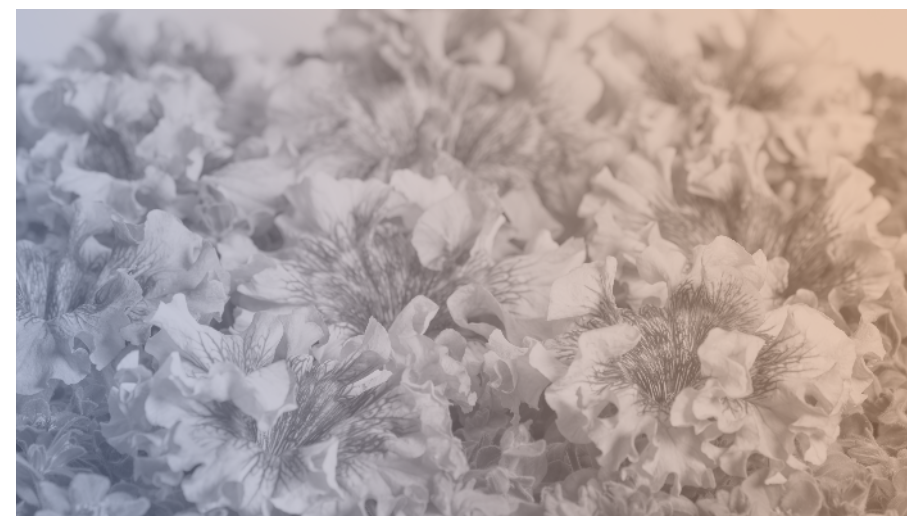
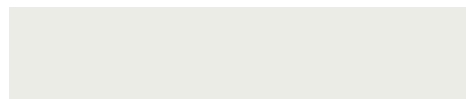
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01

E220
Rosea
pink

02

E221
Wine Red

03

E222
Dark Purple

04

E223
Černý's Triumph

Pink and violet shades on a white background, parts of plants with double flowers and parts of plants with single flowers.

05

E882
Alba

Free-flowering, white ruffled flowers with dark veins in the throat, flowers become light purple under higher temperatures, plants are robust, vital, resistant to climatic conditions.

BEGONIA TUBERHYBRIDA GIGANTEA FL. PL.

A group of classic, popular and widely grown varieties. Plant height can reach 30–35 cm. They are robust with strong stalks. These free flowering varieties have large camellia-form flowers, almost 100% of which are double.

The ideal location is in partial shade. They can also be grown in sunny areas when watered sufficiently. They are characterised by their resistance and full flowering until the first frosts. Varieties are also suitable for bulb production.



17–20
weeks



12–15 cm



30–35 cm



flower pots /
boxes / beds



pellets /
raw seeds





1



2



3



4



5



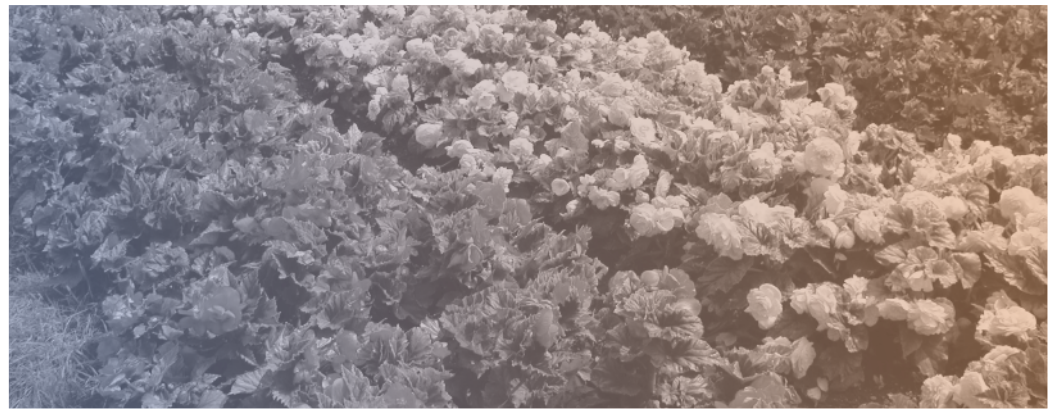
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8



- 01 E043 White
- 02 E044 Yellow
- 03 E045 Orange
- 04 E046 Salmon
- 05 E047 Deep Rose
- 06 E048 Vermilion-Red
- 07 E049 Dark Red
- 08 E050 Mixture

BEGONIA TUBERHYBRIDA PENDULA MULTIFLORA FL. PL.

"CHANSON F1" SERIES

"Chanson F1" is a group of popular hybrid spreading begonias with double and semi-double flowers. It offers the complete range of colours that begonias can offer. Plants grown from seed start flowering early and continue until the first frosts. Plants usually create 5–8 main shoots, where regular camellia-form flowers on long peduncles appear behind every leaf. Flower size is 6–8 cm. Plants create a cascade of 30–45 cm. Can also be used for bulb production.

Ideal for flower boxes, hanging baskets and higher spots to show its spreading cascading character. The two bicolour varieties we offer are unique.



17–20
weeks



6–8 cm



overhang
30–45 cm



flower pots /
boxes / beds



pellets /
raw seeds





01 E051
Chanson F1 White

02 E052
Chanson F1 Yellow

03 E053
Chanson F1 Salmon

04 E054
Chanson F1 Orange

05 E055
Chanson F1 Clear Red

06 E056
Chanson F1 Deep Red

07 E057
Chanson F1 Mixture



BEGONIA TUBERHYBRIDA PENDULA MULTIFLORA FL. PL.

01 E058
Chanson F1 Creamy Yellow

02 E762
Chanson F1 Pink



17–20
weeks



6–8 cm



overhang
30–45 cm



flower pots /
boxes / beds



pellets /
raw seeds



1



2





3



03

E606

Chanson F1 Bicolour Pink and White

Offers a beautiful combination of white with distinctive pink edges.

04

E607

Chanson F1 Bicolour Orange and Yellow

Has a much more distinctive colour shade, which further increases the contrast of the beautiful combination of yellow with intense orange edges.



4

BEGONIA BOLIVIENSIS

"COPACABANA F1" SERIES

Varieties grown from seed

A good alternative to varieties propagated by cutting. Compact habit during production. Six colours available, bell-shaped flowers, flower size 6–7 cm, plant height in flower beds 35 cm. Tolerant to a wide range of cultivation conditions: drought, rain, full sun and shade.

When we compare this product to other types of begonia, it performs excellently in places exposed to full sunlight. It significantly extends the possibility of using these varieties in plantations.



14–16
weeks



6–7 cm



overhang 60–80 cm,
35 cm in flower beds



flower pots /
beds



pellets



Ideal for big hanging baskets, containers and garden beds.

Young plants have erect growth first and later produce a large quantity of side shoots. They create a small overhang in boxes. The growth in garden beds is decumbent.

Excellent seed quality. Available only as pellets.

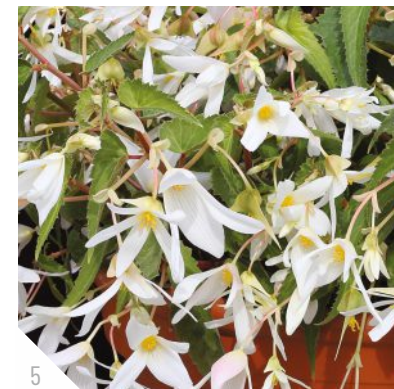
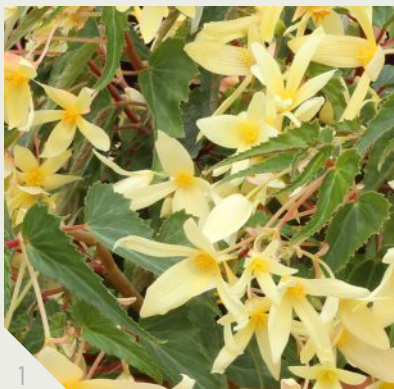
01 E153
Copacabana F1 Yellow

02 E151
Copacabana F1 Red

03 E149
Copacabana F1 Orange

04 E150
Copacabana F1
Salmon

05 E152
Copacabana F1 White



E144

Copacabana F1 Tricolour

A colour which is unique even on a global scale, a combination of apricot, cream and yellow shades. These plants are already more compact than other varieties in this series during the planting stage. The young plants grow to a height of 13–15 cm, the flowers have a wealth of branches and grow exuberantly.

The final height is 30–35 cm. Exuberant bloom and creation of an effective overhang of medium length are the natural characteristics of this variety.

14–16
weeks

6–7 cm

overhang 30 cm,
35 cm in flower bedsflower pots /
beds

pellets





1



2



3



4

BEGONIA SEMPERFLORENS

"FLOWERBALL F1" SERIES

This new group of semi-double and double Begonias semperflorens "FlowerBall F1" is the ideal alternative to uneconomical varieties cultivated from cuttings. Apart from that, these Begonias are significantly more resilient in plantings than the competing varieties from seeds which are available. This means that the "FlowerBall F1" is in fact precisely what you are looking for! To start with, **we are listing the four most important colours in this type: Pink, Red, White and Rose.** However, you can look forward to extension of the range to include other attractive colours in the near future.

Plants grow to a height of 20–25 cm, are well-branched, compact in growth with flowers up to 4 cm in diameter. They have a self-cleaning ability, which makes caring for plantings much easier. The cultivation period is 12–15 weeks depending on the conditions.

Varieties are suitable both for mixed containers of different sizes and also for planting in beds with the possibility of combining individual colours. They are well resistant to higher temperatures and rain and bloom from spring until the first frosts.

- 01 E068
FlowerBall F1 Pink
- 02 E067
FlowerBall F1 Red
- 03 E069
FlowerBall F1 White
- 04 E066
FlowerBall F1 Rose

12–15
weeks

up to 4 cm



20–25 cm

flower pots /
beds

pellets

BEGONIA SEMPERFLORENS

An egg-shaped plant, well-branched. Specially cultivated for resistance to climatic conditions. Excellent results both in hot sunny weather and during rainy summers. Plants have a self-cleaning ability, there is no need to remove past blossoms or ovaries, continuous flowering until frosts. We recommend you plant 30–35 plants per square metre.



11–14 weeks



3–3.5 cm



up to 20 cm



flower beds

pellets /
raw seeds



1



2



3



4



5



6



7



8



9



10



11

VARIETIES WITH GREEN LEAVES
PLANT HEIGHT UP TO 20 CM

- 01 E023 **Olomouc F1**
white
- 02 E024 **Lučenec F1**
bicolour, white flowers with a bright rose red edge
- 03 E025 **Boušín F1**
soft pink
- 04 E026 **Padolí F1**
pink
- 05 E027 **Podkrkonoší F1**
rose red
- 06 E028 **Skalka F1**
red

VARIETIES WITH BRONZE LEAVES
PLANT HEIGHT UP TO 20 CM

- 07 E029 **Ostaš F1**
white
- 08 E030 **Náchod F1**
bicolour, white flowers with a distinctive rose red edge
- 09 E031 **Strahov F1**
pale pink
- 10 E032 **Oreb F1**
dark pink
- 11 E033 **Broumov F1**
red
- 12 E034 **Mixture of varieties F1**
mixture of varieties with green and bronze-brown foliage

BEGONIA SEMPERFLORENS



11–14 weeks



3–3.5 cm



25–30 cm



flower beds



pellets /
raw seeds



1



2



3



4



5



5



6



7



8

VARIETIES WITH
GREEN LEAVES
PLANT HEIGHT 25–30 CM

01

E035
Variace F1 White

02

E036
Variace F1 Clear Pink

03

E037
Variace F1 Deep Pink

04

E038
Variace F1 Bicolour Pink and White
white flower with a distinctive rose red edge

05

E039
Variace F1 Scarlet Red

VARIETIES WITH
BRONZE LEAVES
PLANT HEIGHT 25–30 CM

06

E040
Akord F1 Clear Pink

07

E041
Akord F1 Deep Pink

08

E042
Akord F1 Scarlet Red

BEGONIA INTERSPECIFIC

"SENSATION F1" SERIES

This group of interspecific hybrid varieties complements the current range of begonias. These are highly resistant hybrid varieties which tolerate even the most extreme climatic conditions very well. These plants do not mind direct sunlight, heavy rain or shade.

They are characterised by robust growth and medium-sized simple flowers. Plants reach a height of 60–70 cm, branch abundantly and have a flower diameter of 4–4.5 cm. They flower abundantly from early spring until the first frosts. Cultivation time from sowing to flowering plants is 12 to 14 weeks. Suitable for planting in beds and large flowerpots, even, for example, in urban greenery. Planting is undemanding on maintenance.



12–14 weeks



4–4.5 cm



60–70 cm

flower pots /
beds

pellets

01

VARIETY WITH BRONZE LEAVES

E297
Sensation F1 Pink

02

E110
Sensation F1 White

03

VARIETY WITH GREEN LEAVES

E299
Sensation F1 White

04

E298
Sensation F1 Pink

05

E114
Sensation F1 Red



1



2



3



4



5



COLEUS BLUMEI

"COLOCHA" SERIES

Unlike conventional Coleus plants, this group is characterised by its unique wavy and ruffled leaf edges which are soft to the touch.

Plants are well-branched, moderately compact; they grow to a height of 45–50 cm. The leaves become tinged with attractive, highly intense eye-catching colours. Varieties from the "Colocha" group thrive in direct sunlight as well as in shady locations. Plants tolerate high and low temperatures very well and retain their decorative qualities until the first frosts. Another prized characteristic is their late flowering. They are great for large containers, as well as for use as bedding plants or even grown as houseplants. The unusual exotic look offers new possibilities to attract customers with something really NEW and ORIGINAL.

These Coleus "Colocha" varieties represent the beginning of a comprehensive premium group.

WHY CHOOSE COLEUS COLOCHA?

- unique and exotic eye-catching look
- wide range of use
- very hardy
- late flowering
- seed supplied raw or as pellets



1



2



3

01

E1141
Colocha Rose

02

E1142
Colocha Scarlet

03

E1143
Colocha Mix



10–12 weeks



45–50 cm



flower pots /
beds



raw seeds /
pellets

CATHARANTHUS ROSEUS

VINCA "VOLCANO F1" SERIES

The "**Volcano F1**" series represents the **7** bestselling colours, the unique **Peach** and now the new varieties **Blush** and **Scarlet Eye**. The varieties are intended for professional use and after trying them out, you are certain to agree with us that they really do represent the very pinnacle of contemporary breeding. We also recommend that you pay attention to their price, which is absolutely unrivalled.

Plants are well-branched, have a compact habitus and grow to a height of 25–30 cm. The crop time from sowing to blooming plants for sale is 8–10 weeks. The flowers have overlapping petals, an intense colour and diameter of 5.5–6 cm.

"Volcano F1" plants are very resistant to diseases and stress factors. They tolerate heat, dry conditions and humidity well. They maintain their usual flower size and high colour intensity even under extreme conditions. They are perfect for use in various types of containers and also for planting in large beds.



8–10 weeks



5.5–6 cm



25–30 cm



flower pots /
beds



raw seeds



1



2



3



4



5



6



7



8



9



10



11

- 01 E1069
Volcano F1 Peach
- 02 E1060
Volcano F1 Apricot
- 03 E1061
Volcano F1 Burgundy
- 04 E1062
Volcano F1 Lavender
- 05 E1063
Volcano F1 Orchid
- 06 E1064
Volcano F1 Polka
- 07 E1065
Volcano F1 Red
- 08 E1066
Volcano F1 White
- 09 E1059
Volcano F1 Scarlet Eye
- 10 E1058
Volcano F1 Blush
- 11 E1067
Volcano F1 Mix

TOP five reasons for choosing "Volcano F1"

- significantly larger flowers than O.P. varieties
- early and uniform flowering
- resistance to adverse weather and extreme conditions
- uniformity and compactness of plants
- a convincing price

CYCLAMEN PERSICUM POLYPETALLUM

A specific group of cyclamen flowers intended for cutting. They are characterised by their rigid and long flower stem which grows to a height of up to 30 cm. They create large full blooms made up of 7–11 petals. Their fragrance is pleasant. These characteristics fundamentally differentiate them from regular varieties.

They provide a rewarding source of material for cutting during the winter.



01 E100
Apollon
white

02 E101
Amor
light salmon pink with an eye

03 E103
Orfeus
red



1



2



3



52 weeks



25–30 cm

flower pots /
beds

raw seeds

CYCLAMEN PERSICUM – MINI

The origin of this group of varieties is to be found in the "Kleine Dresdnerin" type mini cyclamen. These are universal varieties which can be grown either as mini or medium-sized flowers depending on the size of the pot. They create beautiful plants, balanced in all parameters and highly stable. They grow well and are resistant to pests and diseases. They have a wide range of application for growers and also grow well under worse conditions.



1



2



3



4



5



6

01 **E105
Betti**
salmon pink

02 **E106
Gabi**
bright red

03 **E614
Rosemarie**
light purple with a dark eye

04 **E615
Brigitte**
pure white

05 **E616
Hilde**
dark carmine pink

06 **E715
Helga**
two-coloured, light pink flower with a distinctive white edge



40 weeks



15–20 cm

flower pots /
beds

raw seeds

PELARGONIUM × HORTORUM (GERANIUM)

"DAY F1" GREEN-LEAVED SERIES

Plants in this range are characterised by a combination of the colour green and shades of brown on the edges of the leaves. Bright-coloured blossoms create massive inflorescences and flourish abundantly throughout the season until frosts arrive. Varieties are early, compact and have distinctive leaves. Their high resistance to pests and adverse weather is also characteristic.

At the peak of the growing season, these varieties reach a height of 25 cm (height without inflorescence) and including inflorescence, they reach a height of 35 cm. Plants reach 35 cm in width. During the season, each plant generates around 50 to 60 inflorescences, each with a diameter of 10–12 cm. The varieties are ideal for professional cultivation.



14–16 weeks



4–4.5 cm,
inflorescence
10–12 cm



without
inflorescence 25 cm,
height in total 35 cm



flower pots /
boxes / beds



scarified
seeds





1



2



3



4



5



6



7



8



9



10



11



12

- 01 E367
Day F1 Red Bicolour (Vlasta F1)
leaves have a light pattern
- 02 E786
Day F1 Orange (Lucie F1)
leaves have a light pattern
- 03 E183
Day F1 Salmon (Jitka F1)
leaves have a moderately distinctive pattern
- 04 E182
Day F1 Light Pink (Jarka F1)
leaves have a distinctive pattern
- 05 E184
Day F1 Deep Red (Alena F1)
leaves have a light pattern
- 06 E187
Day F1 Rose Bicolour (Pavla F1)
leaves have a distinctive pattern
- 07 E180
Day F1 Bright Red (Gizela F1)
leaves have a moderately distinctive pattern
- 08 E186
Day F1 Carmine Red (Mirka F1)
leaves have a moderately distinctive pattern
- 09 E365
Day F1 Light Scarlet (Regina F1)
leaves have a very distinctive pattern
- 10 E369
Day F1 Violet (Eva F1)
leaves have a very distinctive pattern
- 11 E179
Day F1 White (Blanka F1)
leaves have only the hint of a pattern
- 12 E363
Day F1 Pink Violet (Simona F1)
leaves have a less distinctive pattern

PELARGONIUM × HORTORUM (GERANIUM)

"NIGHT F1" DARK-LEAVED SERIES

These unique varieties from the "Night F1" series are characterised by their highly decorative brown leaves with a green border. The dark leaves are very effective in white pots. They can be used in countless horticultural compositions or in combination with green-leaved varieties.

The method of growing and superb properties are the same as those you are used to with the green-leaved varieties which you know so well. These plants are extremely resilient and love direct sunlight. The final height in a bed can reach 35 cm and flowers grow to 10–12 cm in diameter. Seeds are supplied already scarified with excellent germinating capacity.



14–16 weeks



4–4.5 cm,
inflorescence
10–12 cm



without
inflorescence 25 cm,
height in total 35 cm



flower pots /
boxes / beds



scarified
seeds



1



2



3



4

01

**E860
Night F1 Rose**

violet-pink, dark leaf with a thin green border

02

**E861
Night F1 Salmon**

salmon-coloured flowers, brown leaf with a thin green border

03

**E862
Night F1 Scarlet**

bright shades of light red, brown leaf with a thin green border

04

**E863
Night F1 Violet**

deep red-violet flowers, dark leaf with a thin green border



PELARGONIUM × HORTORUM (GERANIUM)

"FALCON F1" CMS* SERIES

SELF-CLEANING, POLLEN-FREE AND ENDLESSLY BLOOMING?

These are precisely the features offered by the new series of premium geraniums being introduced by Černý Seed s.r.o.

What is the main advantage of the new "Falcon F1" group? Unlike conventional geraniums, **this new generation of varieties does not produce any pollen**. As a result, it does not attract insects and does not produce the unwanted spikes which it is recommended are removed during the season in conventional varieties in order to avoid reduction of new flowers. In the "Falcon F1" group, the inflorescence falls off spontaneously after flowering and the plants continue to flower. Apart from this, the lifespan of the inflorescence is more than 7 days longer and plants produce up to 20 % more flowers during vegetation than conventional varieties.

Cultivation is identical to that of conventional geraniums. Plants are well-branched and compact, 25 cm in height without inflorescence (35 cm with inflorescence). The inflorescences are firm, 10-11 cm in diameter and flower size is about 4 cm. They tolerate both direct sun and partial shade extremely well. Suitable for containers, hanging baskets and beds. In large plantings, you gain a vibrant colour palette which does not stop flowering thanks to the self-cleaning effect. Seeds are available in scarified form.

Note: To better preserve the advantages of pollen-free varieties, we recommend isolation from conventional pollen varieties. Spatial isolation should be at least 50 m.

* Cytoplasmic male sterility



14-16 weeks



4.0 cm,
inflorescence
10-11 cm



without
inflorescence 25 cm,
height in total 35 cm



flower pots /
boxes / beds



scarified
seeds





01 E1223
Falcon F1 Orange

02 E1224
Falcon F1 Scarlet

03 E1222
Falcon F1 Salmon

04 E1225
Falcon F1 Violet

05 E1221
Falcon F1 White

MAIN ADVANTAGES OF THE NEW "FALCON F1" POLLEN-FREE GENERATION:

- self-cleaning effect – there is no need to remove spikes
- they do not stop flowering – they do not produce any seeds
- this means that inflorescences have a lifespan lasting more than 7 days longer
- plants produce up to 20% more flowers during vegetation
- people who suffer from allergies will also appreciate the absence of pollen



HISTORY OF THE "ČERNÝ SEED COMPANY"

The Founders

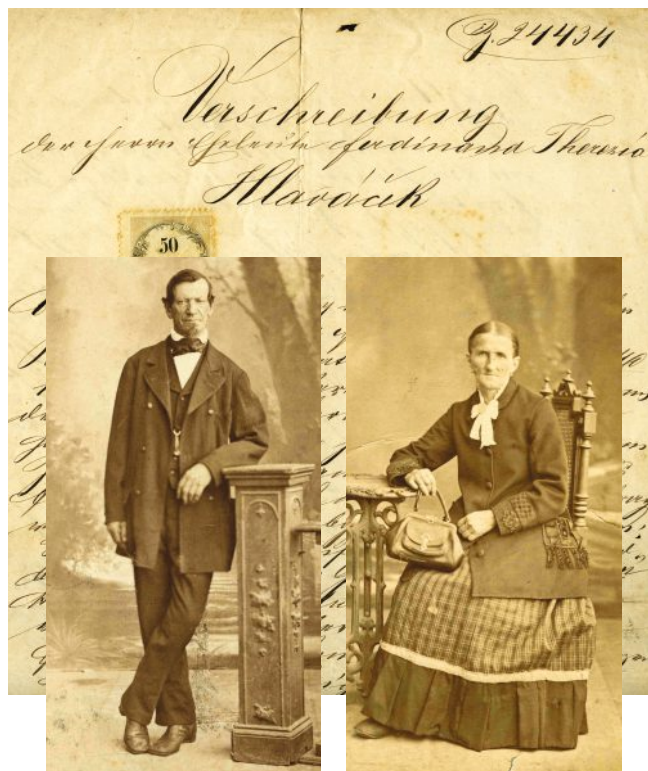
The story of the company began all the way back in 1859, five generations ago, when it was founded by the ancestor of the current owners, the passionate gardener and seed trader Ferdinand Hlaváček (1822–1897) together with his wife Terezie (1830–1896). They began gardening on the site of the current gardens, although these looked completely different back then and only started to grow slowly. The valley, bordered on the one side by the slopes of Klouzkov Hill and on the other side by a railway embankment, was more of a waterlogged meadow than a place to grow flowers. It also had more than 25 owners. Ferdinand bought a small house on the edge of the valley, a former match factory, a bit of land to go with this and set to work. He gradually started to buy up land, to reclaim the marshland and after thirty-six years of tiring work, was able to boast a garden roughly 1.5 strikes in size (approx. 4,000 m²).

His greatest passion was however vegetable and flower seed trading. He sold seeds for foreign and also tried and tested regional varieties. A metal snuff tin is still kept by the family to this very day – brought by a Dutch seed trader who wanted to get to know one of his good customers. At that time, seeds were mainly sold at market, so he travelled with his goods all over the region, but also to the famous markets in Brno and Prague. He was a savvy trader and used to say to his daughter: "Remember, Mařenko, that a dishonest penny will surely lead to no wealth."

Even though he was born into very poor circumstances and gained practically no education, he died as a respected gardener and citizen of Jaroměř.

Artistic Gardening

František Černý (1865–1925) married into the Hlaváček garden centre in 1896. He learned gardening at the chateau in Smiřice nad Labem and worked in Moravia after that. In 1888, he was appointed gardener at the Hohe Warte Park owned by the Rothschild family in Vienna, even more famous than the gardens at Schönbrunn. It is no exaggeration to say



Ferdinand Hlaváček (1822–1897)

Terezie Hlaváčková (1830–1896)



František Černý (1865–1925) and Marie Černá (1866–1932), née Hlaváčková

that this was the university of the gardening arts. However, František wanted to gain his independence. After having successfully managed landscaping for the "Music and Theatre Exhibition" in Vienna in 1892, he was recommended to Prince Radziwill as head gardener in the Russian part of Poland, but in fact started work with his relatives, the Rembieliński family in Krośniewice. He was given a luxurious flat, horses, a carriage, a sleigh and a good wage.



Courtyard in František Černý's garden (1865–1925)

While visiting Jaroměř, he met Marie Hlaváčková. She charmed him and they got married. From chateau parks, he found his way to vegetable growing and seed production. From orangeries with foreign flowers, to commercial gardening. He honoured traditional practices, never taking a liking for seed production. He preferred to devote his time to growing flowers and excelled in artistic flower arrangement. He also had other cultural interests. He enjoyed reading, wrote short stories, acted and painted. A white Niphetos climbing rose bush, which flowers all year round, still grows in our greenhouse to this very day. František planted this bush in order to be able to make up bouquets – even in winter.

Marie Černá (1866–1932), née Hlaváčková, married František Černý as her second husband. She worked hard in the garden, but above all devoted her efforts to the commercial side of the operation of the garden centre – she travelled to market. This was held in Jaroměř every Friday and was the main place for the sale of cultivars, but also seeds.



Petunia h. fimbriata Maminka



František Černý (1896–1968)
with petunias



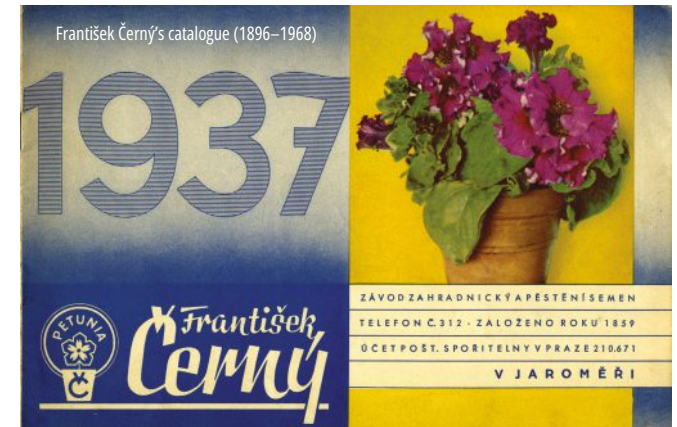
František (1896–1968)
and Marie Černá (1903–1987),
née Mojžíšová

Seed Producers – Breeders

Another ancestor of the family, František Černý (1896–1968), returned to seed production. His father did not want him to follow him into gardening. He saw how much hard work it was and imagined his son's future differently. František was however born a gardener and in the end managed to fight for his beloved career.

When his father was already very ill, František married Marie Mojžíšová (1903–1987) from an old gardening family from Náchod. After his father's death, he specialised the business with a focus on seed production with a clear goal: to shake the monopoly of German companies. They started to engage in breeding of petunias and later also begonias, lily-of-the-valley, salvia, cyclamens and cineraria.

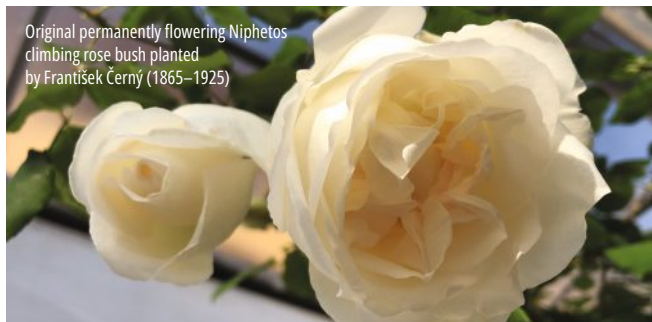
In fact, this happened quite by chance. František saw some planters in front of a seed company in Hradec Králové with large flowered overhanging petunia. They literally enchanted him and so he set out for the promised land of petunias, Germany. He planted his first petunia in 1927 and starting the next year, tried different possibilities for pollination and selection of the most suitable plants with his wife Marie. Their colourful colony grew.



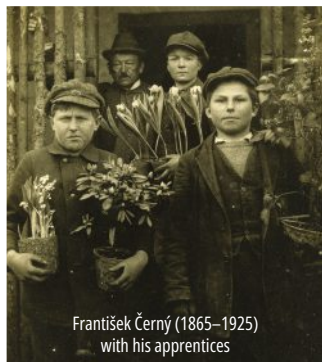
In 1934, the Černý family launched their first own variety "Karkulka", which we offer in our range in a modified form to this very day. Then came other original varieties. The petunias were joined by permanently flowering begonias and tuberous begonias.

Marie Černá devoted her whole life to breeding tuberous begonias and the result of this are beautiful full-flowered resistant varieties.

The Černý Seed Company gradually made its mark and production was already unable to meet demand after the war. In 1950 however, František had to lease his business to the state and it was completely expropriated ten years later. Despite this, he did devote the rest of his life to flowers. He too had a lot of cultural interests. He enjoyed reading, acted in the theatre and kept in contact with people from the artistic world. He was active in gardening social life, regularly writing for the professional press. He was a characteristic and respected personality in the field of gardening.



Original permanently flowering Niphetos
climbing rose bush planted
by František Černý (1865–1925)



František Černý (1865–1925)
with his apprentices



František Černý (1865–1925)
with his young son František (1896–1968)



František Černý's garden
centre in the 1940s

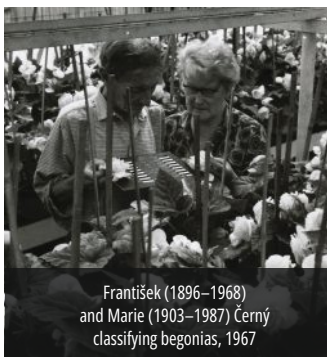


Production crops of petunia intended for production of seeds

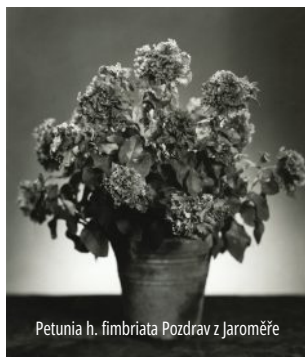
Hybrid Breeding

After World War Two, flower breeding in Jaroměř reached a completely new level. The person responsible for this was František Černý's son Jan (1928–1980).

Jan first learned the gardening trade with his father. He met his future wife Alenka Prokopová (1928–2000) at the gardening school in the Moravian town of Lednice, where everybody who was truly interested in this field caught up with their education after the war. Alenka also came from a gardening family. Jan then continued his studies at the Agricultural University in Brno. As a student, he became acquainted with a pioneer of the new heterosis method, Professor F. Frimmel. This truly fateful meeting led him to start breeding hybrid varieties.



František (1896–1968) and Marie (1903–1987) Černý classifying begonias, 1967



Petunia h. fimbriata Pozdrav z Jaroměře



Jan Černý (1928–1980) next to hotbeds with cyclamen



Jan Černý (1928–1980) and Alenka Černá (1928–2000), née Prokopová



Alenka Černá (1928–2000) selecting petunias for production of seeds

In 1959, Jan Černý launched the first hybrid variety of permanently flowering begonias onto the market, the Turov F1. In 1960, he launched the first hybrid petunia variety, the Avalanche F1 White. He gradually bred a comprehensive range of hybrid varieties of these flowers. His wife Alenka also participated in breeding many of these.

His varieties were judged to be the best in international comparative trials in Hannover. These varieties won several awards at garden shows. One of his dreams come true was the yellow petunia, a shade which does not naturally occur in petunias.

Jan Černý became an important and respected breeder on an international scale. He also took an interest in the public greenery in Jaroměř and performed an inventory of this. He died suddenly in 1980. The valuable genetic material was only preserved in its scope and quality thanks to his wife Alenka. It was not easy to perform the duties which were



Jan Černý (1928–1980) with his father František Černý (1896–1968), 1967

originally performed by three people. The scope of breeding work was huge.

The nationalised enterprise was incorporated for several years into the Semptra state enterprise. Despite various problems, the Černý family was able to continue the breeding work they had started. The fruits of these efforts are modern varieties of petunia and begonia which flower fans in the Czech Republic and abroad have taken pleasure in for several years now.



Jan Černý (1928–1980) evaluating trial hybrids, 1967

The Novitas Olomucensis award



Aerial view of Černý Seed s.r.o.

Jan Černý (1957–2016)
and the first free elections in 1990

Petunia h. fimbriata Aphrodite F1

Rebirth and Present Day

A representative of the next generation, Jan Černý (1957–2016), also devoted his life to flower breeding. The result of this is a range of modern hybrid varieties of begonia and petunia.

Jan studied plant genetics at the Faculty of Science at Charles University in Prague. While still studying at university, he married Vlasta, née Broučková in 1978. Their first son, Jan, was born in 1978, a daughter,



Jan Černý (1957–2016) with his mother Alenka Černá (1928–2000)

Veronica, in 1980 and a second son, Jakub, in 1991. After certain disagreements with the management of the then state-owned enterprise Sempra, he had to abandon his work for a short period in 1988. He did not however lose contact with the breeding station in Jaroměř.

Then something happened at the start of 1991 which nobody had dared to hope for anymore. The gardening business was returned to the hands of its original owners, the Černý family, within the framework of restitution and successfully built on its past tradition. After November 1989, Jan Černý also got involved in public life in Jaroměř, where he was politically active for three electoral terms (1990–2002) as city councillor and for two electoral terms (1990–1998) as a member of the town council. Jan enjoyed music – attending concerts by his favourite musicians and bands and took a passionate interest in cinematography. He also had a lifelong interest in art and very much enjoyed travelling.

His two sons Jan Černý (1978) and Jakub Černý (1991) currently work in and manage the company. They already represent the sixth generation to continue the family tradition. Both among other things studied at the Secondary Horticultural School in Mělník and at the Faculty of Horticulture at Mendel University in Brno. The team of experienced workers, some of which have been working in the company for more than 25 years, guarantees the high quality of seeds produced.

The Černý Seed Company is nowadays a highly specialised breeding and seed production company. It is currently the only company in the Czech Republic to launch new F1 hybrid flowers which it has bred itself onto the market every year. The seeds which are produced are constantly gaining in popularity and are successfully distributed to customers all around the world. Plants which come from Jaroměř are



Petunia h. Diamond Pearly Shades F1

Jan Černý (1957–2016)
at work breeding

Jan Černý (1957–2016) with his sons – Jan (1978) from the left and Jakub (1991) from the right

František Černý (2015) next to the Niphetos climbing rose bush,
planted by his great-great-great-grandfather František Černý (1865–1925)

thus nowadays grown not only in Europe, but also in Asia, America or for example on the Arabian Peninsula.

Since 1934, the Černý family has bred more than 150 original varieties of petunia, begonia, cyclamen, lily-of-the-valley and other types of flowers. Varieties bred in Jaroměř have won several medals at international exhibitions and have been awarded the "Novitas Olomucensis" prize three times. However, the most important thing is the fact that they have retained their popularity among gardeners and flower fans the whole time.

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25-26	Petunia hybrida grandiflora fimbriata nana "Aphrodite F1" series
27-28	Petunia hybrida grandiflora superbissima nana
29-30	Begonia tuberhybrida gigantea fl. pl.
31-34	Begonia tuberhybrida pendula multiflora fl. pl. "Chanson F1" series
35-37	Begonia boliviensis "Copacabana F1" series
38	Begonia semperflorens "FlowerBall F1" series
39-42	Begonia semperflorens
43	Begonia interspecific "Sensation F1" series
44	Coleus blumei "Colocha" series
45-46	Catharanthus roseus – Vinca "Volcano F1" series
47	Cyclamen persicum polypetallum
48	Cyclamen persicum – mini
49-50	Pelargonium × hortorum (Geranium) "Day F1" series
51-52	Pelargonium × hortorum (Geranium) "Night F1" series
53-54	Pelargonium × hortorum (Geranium) "Falcon F1" CMS series
55-58	History of the "Černý Seed Company"



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