



FLOWER CATALOG

2016-2018



TAKII SEED

Creating Tomorrow Today

TAKII'S WORLD

The high quality of Takii's seed products, developed over a long history and experience of over 180 years, are widely recognized not only in Japan but also in many countries around the world.

We continue to make every endeavor to improve seed quality in order to meet the highest level of demand.



Takii Europe B.V.



Qingdao Huang Long Seeds Co., Ltd



TAKII'S Award Winners

All-America Selections and Fleuroselect Gold Medal Winners

Takii is a member of both All-America Selections(AAS) and Fleuroselect organizations. It is our great pleasure to present a number of prestigious varieties awarded by AAS and Fleuroselect in this catalogue. Varieties with logos of AAS and/or Fleuroselect are indicators for our recommendation of items for your variety selection.



All America Selections National Winner

Awarded only to new varieties that perform best in garden performance trials over all of North America



All America Selections Regional Winner

Awarded only to new varieties that performed particularly well in certain regions in North America



Fleuroselect Gold Medal

Rewards true breeding innovations evaluated through trials of new ornamental varieties at 18 private trial grounds across Europe



Fleuroselect Quality

Only granted to new varieties showing clear improvements from existing varieties



Fleuroselect Approved Novelty

New varieties that have been recognized to be sufficiently new and different versus existing cultivars and have passed the rigorous requirement for uniformity

1978



Dianthus, F1 Carpet Snow Fire



Zinnia, F1 Sun Red

1979



Zinnia, F1 Sun Gold

1982



Dianthus, F1 Telstar Mix

1989



Dianthus, F1 Telstar Crimson

1989



Dianthus, F1 Telstar Picotee

NETWORK

180th
anniversary
Creating Tomorrow Today

NORTH AMERICA

UNITED STATES OF AMERICA

■ Salinas



American Takii, Inc.



Head Office

SOUTH AMERICA

BRAZIL

Sao Paulo ■





Takii do Brasil Ltda.






Takii Korea Co., Ltd.




1990

-  Achillea, F2 Summer Pastels
-  Celosia, Castle Pink

1992

-  Canna, Tropical Rose
-   Salvia, Hummingbird Lady in Red

1997

-  Zinnia, Crystal White
-   Delphinium, F1 Centurion Sky Blue


1999

-  Osteospermum, Passion Mix



2007

-  Petunia, F1 Opera Supreme Pink Morn
-   Viola, F1 Floral Power Orange Red Wing

2011



-  Brassica, F1 Glamour Red

2011-2012


-   Salvia, Summer Jewel Red

2012

-  Salvia, Summer Jewel Pink

-   Alcea, Spring Celebrities Crimson

2013

-  Canna, F1 South Pacific Scarlet




2014

-  Petunia, F1 African Sunset

2015

-  Petunia, F1 Trilogy Red
-  Salvia, Summer Jewel White















































































































2016

-  Salvia, Summer Jewel Lavender
-   Verbena, Serenity Pink

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Key to Symbols

 Bedding plants  Pot plants  Cut Flowers  Fuel Saving Crop

Cut Flowers

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	Aster (see Callistephus)		♀		82-83
B	Balloon Cottonbush (see Gomphocarpus)		♀		90
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Campanula, F1 Uniform series
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Capsicum, Karneval series
Capsicum, Mambo Deep Yellow
Gerbera, F1 Royal Peach
Lisianthus, F1 Carmen Deep Pink
Pelargonium, F1 Black Velvet Appleblossom
Pelargonium, F1 Vogue series
Pansy, F1 Nature Yellow with Blotch
Pansy, F1 Iona series
Petunia, F1 Opera Supreme Raspberry Ice
Petunia, F1 Opera Supreme Salmon
Petunia, F1 Carnival series
Petunia, F1 Symphony Blue
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Petunia, F1 Symphony Rose Picotee
Petunia, F1 Symphony Mix
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Primula, F1 Paloma series
Solanum, Thurino
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Viola, F1 Floral Power Light Blue
Juncus, Carmen's Grey
Calendula, Greenheart series
Capsicum, Rio series
Delphinium, F1 Centurion Gentian Blue
Lisianthus, F1 Arena I Green
Lisianthus, F1 Arena II Blue Flash
Lisianthus, F1 Vulcan II Purple Picotee

THIS SEASON'S HIGHLIGHT

Helianthus



Beginning in the early 1990s, Takii has been in the forefront of Helianthus breeding. F1 Sunrich Orange is one of our masterpieces and has become a global standard in the Helianthus cut-flower market because of its classic orange color, refined flower shape and sturdy stems. We continue to add new varieties to the Sunrich series to widen its assortment by color and flower earliness. Takii's Helianthus are grown all over the world and are the standard for high quality cut Helianthus.

In 2015 we introduced F1 Sunrich Orange DMR. It is a significant milestone in ornamental Helianthus breeding as the world's first downy mildew highly-resistant variety. Downy Mildew is the biggest problem in Helianthus growing, especially under warm and humid conditions of early spring.

After years of extensive testing in many places, F1 Sunrich Orange DMR proved to be resistant to multiple strains of Downy Mildew while meeting the high quality standard of F1 Sunrich Orange.

This DMR breakthrough's added-value provides substantial benefits with high yield results and the reduction of chemical use.

The 2016 new introduction of F1 Sunrich Lime, yellow petals with green center, makes this series even more attractive and valuable.

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F1 Sunrich Orange DMR

F1 Sunrich Lime



The Partnership with

We became the exclusive Sunflower partner of the Van Gogh Museum for three years beginning August 2015. The museum is located in Amsterdam and receives more than 1.6 million visitors annually.

The museum marks the 125th anniversary of Vincent van Gogh's death in 2015. In honor of this milestone the museum has many inspired events.

One of these events was to open a new entrance hall. The grand opening was held on September 4th, and featured a gigantic labyrinth outside the new entrance hall



the Van Gogh Museum

made up entirely of Takii's Sunflowers. We donated enough Sunflower "F1 Sunrich Orange" seeds to produce 125,000 blooming plants which were used to create the almost 2-meter high labyrinth.

Vincent Van Gogh's "Sunflowers" series are his most celebrated paintings and iconic of the maestro. Takii provides F1 Sunrich series worldwide to meet the market demand for high quality cut flower Sunflowers. We are very proud that the Van Gogh Museum recognized us as the world leading Sunflower breeding company as they approached us for the Sunflower Labyrinth project.

We continue our innovations to remain in the forefront in Sunflower breeding and to increase the interest in floriculture and related industries.



THIS SEASON'S HIGHLIGHT

Petunia

We are pleased to introduce the newly released F1 Trilogy Series. Trilogy is a mounding type with a good branching habit while keeping their tidy, compact habit. Trilogy has strong flower petals which stand up to humid conditions. With its strong habit and non-fading blooms throughout the season, Trilogy Red has received a 2015 AAS National Award. We introduced 6 colors of Trilogy in 2015 and add 2 new colors in 2016.

Additionally, we are introducing F1 Opera Supreme Raspberry Ice Imp. which has more stable flower color and spreading plant habit.

Trilogy
PETUNIA

Page 56-59



F1 Trilogy Blue



F1 Trilogy Purple



F1 Trilogy Red



F1 Trilogy Rose



F1 Trilogy Scarlet



F1 Trilogy White





2016
NEW

F1 Trilogy Deep Purple



2016
NEW

F1 Trilogy Lavender Pink



2016
IMP

F1 Opera Supreme
Raspberry Ice Imp

THIS SEASON'S HIGHLIGHT

Lisianthus

We introduced the new F1 Corelli series in 2015. Corelli has excellent large, double flowers with elegant fringed, curly petals. The advantage of Corelli is its top branching plant habit and excellent vase life. Corelli is available now in 6 colors.

We also introduced 5 new varieties in the F1 Arena, F1 Croma and F1 Vulcan series.

We continuously add new colors to these series, focusing our breeding efforts on these new series.

In addition to the above cut varieties, we are introducing a new dwarf variety F1 Marina for the pot Lisianthus market. F1 Marina produces very attractive single and long lasting flowers with blue picotee.

In recent years we developed many new Lisianthus varieties positioning us to provide the basic assortment for covering market demand. We will continue to focus on this breeding work to fine tune our assortment for traits such as improved stable flower quality, better plant habit, higher yield, and unique colors.

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2015
NEW

F1 Corelli II White



2015
NEW

F1 Corelli III Apricot



2016
NEW

F1 Corelli III Blue



2015
NEW

F1 Corelli III Light Pink



2015
NEW

F1 Corelli III Rose



2015
NEW

F1 Corelli III Yellow





CROMA



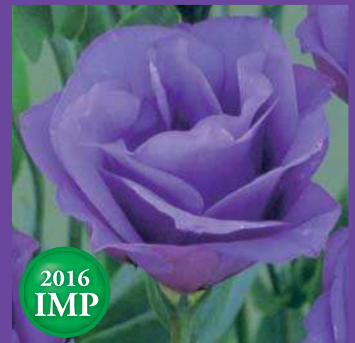
2016 NEW

F1 Croma III Blue Picotee



2015 NEW

F1 Croma III Yellow



2016 IMP

F1 Croma IV Lavender Imp

F1 Marina

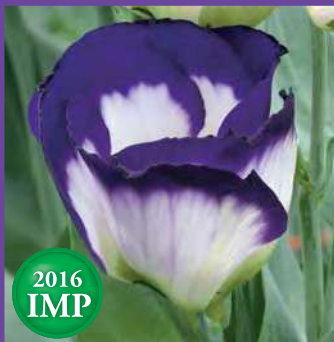


2016 NEW



2016 NEW

F1 Arena I Light Pink



2016 IMP

F1 Vulcan II Blue Picotee



H THIS SEASON'S HIGHLIGHT

Brassica

This season we are proud to present two unique varieties of cut flower Brassica — F1 Crane Feather King and F1 Crane Feather Queen.

The shape of F1 Crane Feather King & Queen are an outstanding accent for bouquet use.

The F1 Crane Feather King & Queen are very uniform, and have the same upright plant habit as the F1 Crane series.

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F1 Crane Feather King



F1 Crane Feather Queen

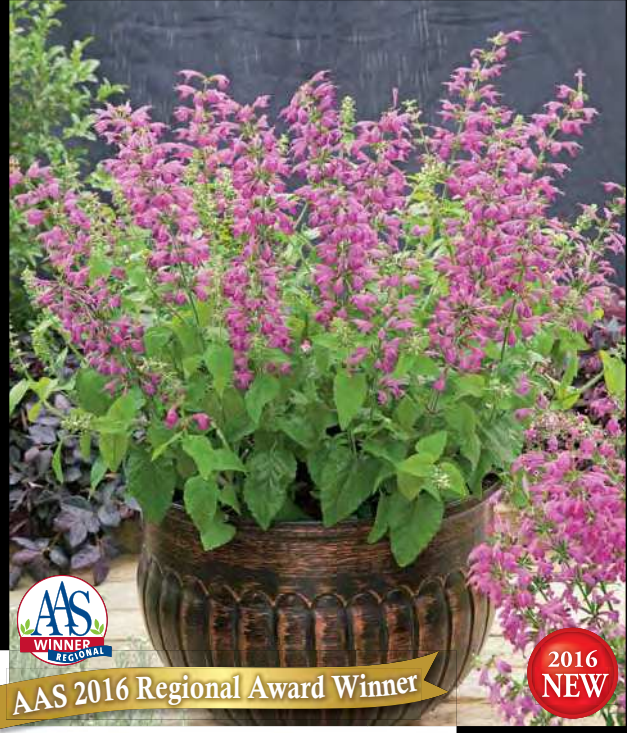


ALL-AMERICA SELECTIONS/ FLEUROSELECT AWARDED VARIETIES IN THIS SEASON

We proudly introduce our recent All-America Selections(AAS) and Fleuroselect(FS) Awarded varieties.



Salvia, Summer Jewel White



Salvia, Summer Jewel Lavender

Summer Jewel White earned a 2015 AAS National Award. The Summer Jewel series is comprised entirely of AAS award winners as Red and Pink have also received AAS National Awards. The Summer Jewel series shows better performance than other dwarf Salvia. It has excellent compactness, branching habit, and is significantly earlier in both growth and flowering. They withstand the heat in summer and bloom continuously from late spring to the first frost. For 2016, the new color Lavender, an AAS Regional Award winner, is added to the series.

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FS 2016 Approved Novelty

Verbena, Serenity Pink

Serenity Pink is the first pink flowered Verbena variety from seed. Its deeply-cut fern-like foliage is dark forest green. In cool climates it will stay dwarf, producing a carpet. In warmer areas Serenity Pink will be a perennial.



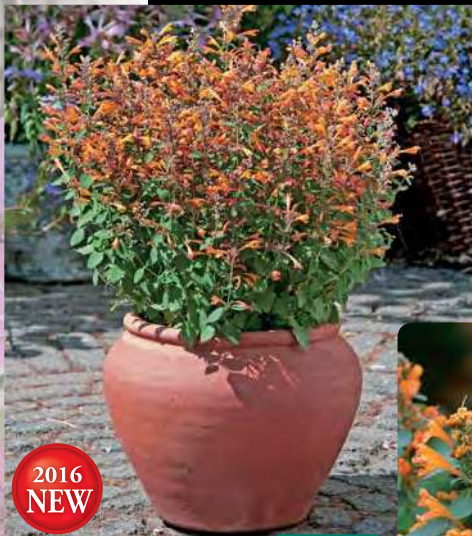
2016 NEW

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NEW FLOWERS LINE UP



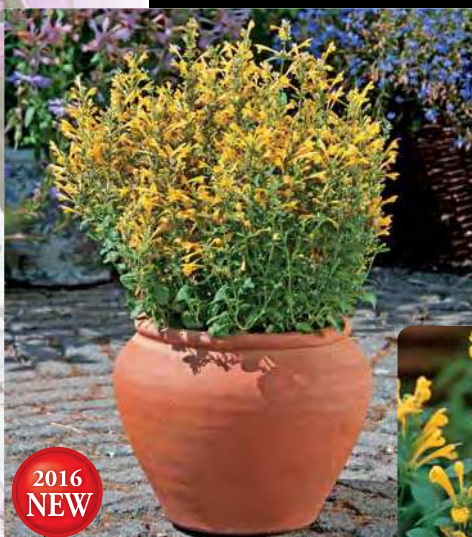
Agastache



2016
NEW

Arizona Sandstone

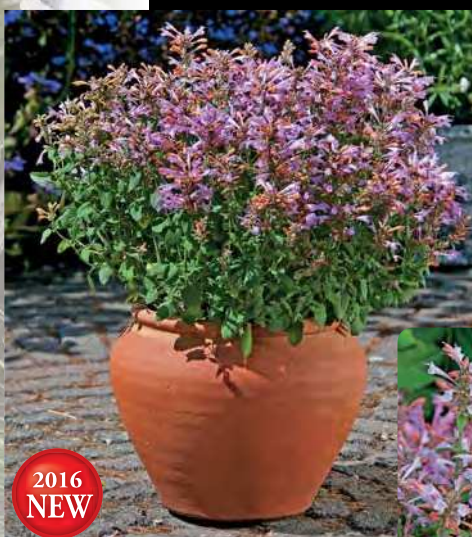
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2016
NEW

Arizona Sun

Page 20



2016
NEW

Arizona Sunset

Page 20



Antirrhinum



2015
NEW

F1 Legend
Pink

Page 77



2015
NEW

F1 Legend
White

Page 77

Gerbera



2016
IMP

F1 Royal Peach Imp

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Osteospermum



2016
NEW

Passion Pink Shades

Page 52



2016
NEW

Passion Rose

Page 52



2016
NEW

Passion White

Page 52

NEW
FLOWERS
LINE UP



Viola



2016
NEW

F1 Gem Rose Antique

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2016
NEW

F1 Four Seasons Indigo Wing Blue

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2016
NEW

F1 Four Seasons Purple Wing Yellow

Page 70



2016
NEW

F1 Four Seasons White Yellow Eye

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BEDDING & POT

F2 Flowerburst™ Red Shades



Achillea millefolium

🌡️ 17-20°C/ 63-68°F
🕒 3-4 days
🌱 4,500-5,000 sd/g

- An energizing blend of mainly red, rose and violet shades
- An attractive garden plant. Since it is a hardy perennial, it survives a cold winter and blooms every year unless exposed to extreme hot and humid conditions in summer



FACA02

F2 Summer™ series



Achillea millefolium

🌡️ 17-20°C/ 63-68°F
🕒 3-4 days
🌱 4,200-5,300 sd/g

- Very hardy perennial for the garden, mass plantings in landscapes, pot use and as a cut
- The Summer series loves sunny conditions and will bloom in Summer - Autumn in the first year, earlier in the second year
- Remove old flowers to encourage new blooms



Berries
FACA03



Pastels
FACA04



Arizona™ series

20-25 cm
8-10 inches

Agastache hybrida

● 20-22°C/ 68-72°F ● 5-7 days ● 1,800-3,000 sd/g

- 2016 newly released series
- Very compact and floriferous, and performs well in containers and landscape
- Foliage has pleasant lemon / mint scent
- Fast crop from spring sowing. Easy maintenance
- Will bloom continuously throughout the season without deadheading
- Maintain pH level at 6.4-7.5 and EC at 1.5-2.0. Agastache will exhibit chlorosis if media pH is below 6.2
- Suitable for dry and sunny location. Agastache will not tolerate wet conditions



Sandstone
FATA22



Sun
FATA23



Sunset
FATA21

Mint scent attracts butterflies.



Spring Celebrities™ series



Alcea

Alcea rosea annua

🌡️ 15-20°C / 59-68°F
🕒 8-10 days
🌱 210-300 sd/g

- Double- to semi-double dwarf Hollyhock which has excellent basal branching
- It flowers in the first year and keeps flowering for three months if conditions are favorable
- Carmine Rose and White may have around 15% single flowers. Other varieties may have a small percentage of single flowers



Apricot
FHAA07



Carmine Rose
FHAA02



Crimson
FHAA09



Lemon
FHAA03



Lilac
FHAA04



Pink
FHAA08



Purple
FHAA05



White
FHAA06



Formula Mixture
FHAA00

Actual color ratios may vary from image



Its flower spikes give the garden height and volume.

A

Antirrhinum (Snapdragon)

F1 Magic™ series

15-20 cm
6-8 inches

Antirrhinum majus

Light required ■ 15-20°C/ 59-68°F ■ 10-12 days ■ 4,500-9,200 sd/g

- Vigorous and uniform, Magic blooms early and continues to bloom throughout the season on well-branched plants
- Dwarf plant for pack, pot, mixed container and garden use



Magic will paint your garden with vibrant colors



Bronze
FKG507



Deep Rose
FKG508



Orange
FKG504



Orange and White
FKG524



Purple
FKG506



Purple Rose
FKG512



Purple and White
FKG521



Red
FKG501



Red and White
FKG523



Rose Eye
FKG514



White
FKG509



Yellow
FKG516



Formula Mix
FKG519

F1 Monza™ series



Begonia semperflorens

Light required 🌞 22-24°C / 72-75°F 🕒 8-10 days 🌿 1,000-1,500 pel/g

- Very early, large flowers on strong, compact plants
- Monza maintains its excellent plant shape even after being transplanted into the garden
- Appleblossom flowers vary in color from appleblossom to almost white, and approx. 10% of plants show white flowers



Appleblossom
FBGG11



Blush
FBGG18



Coral
FBGG12



Pink
FBGG13



Rose
FBGG14



Scarlet
FBGG16



White
FBGG17



F1 Havana™ series



Begonia semperflorens

Light required 🌞 22-24°C / 72-75°F 🕒 8-10 days 🌿 1,000-1,500 pel/g

- Same plant habit as Monza series but with extremely dark-bronze foliage
- Havana provides a wonderful alternative to green-leaved varieties



Pink
FBGG01



Rose
FBGG03



Scarlet
FBGG02



White
FBGG05

Fringed leaved type

- The edges of all the leaves are finely ruffled
- Fringed-leaved types have better color development under warm conditions compared to other types

F1 Kamome™ series

15-25 cm
6-10 inches

Brassica oleracea

● 20-25°C/ 68-77°F ● 4-5 days ● 350-640 sd/g

- Kamome can withstand frosts and freezes
- One of the few items that can be enjoyed in the winter garden



Pink
FHB573



Red
FHB571



White
FHB572



Brassica adds luxuriance to the winter garden.

Round leaved type

- Compact, dwarf plants with uniform, round-shaped, solid heads and slightly waved leaves

F1 Song Bird™ series

🌱
🕒
📊
🌿 15-25 cm / 6-10 inches

Brassica oleracea

🌡️ 20-25°C / 68-77°F
🕒 4-5 days
📊 200-330 sd/g

- Song Bird series has excellent doubleness with a compact habit
- Available in Pink, Red, and White, 3 colors that bring out the beauty in winter gardens and mixed containers



Pink
FHB533



Red
FHB531



White
FHB532



B **rassica (Flowering Kale)**

F1 Pigeon™ series

🌱
🕒
📊
🌿 15-25 cm / 6-10 inches

Brassica oleracea

🌡️ 20-25°C / 68-77°F
🕒 4-5 days
📊 190-560 sd/g

- Pigeon series has a robust habit and is suitable for landscape use



Purple
FHB514



Red
FHB511



Victoria
FHB501



White
FHB512

Feathered leaved type

- These varieties are all deeply serrated and have a larger head than other types

F1 Coral™ series




20-30 cm
8-12 inches
Brassica oleracea

● 20-25°C/ 68-77°F ● 4-5 days ● 230-370 sd/g

- Vigorous plants with thick, sturdy stems with moderate length
- Recommended for culture to aim for large size head



Prince
FHB612



Queen
FHB611

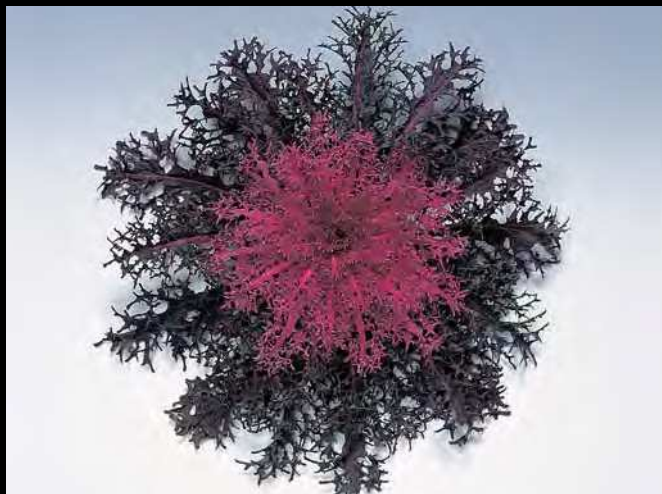
F1 Peacock™ series




20-30 cm
8-12 inches
Brassica oleracea

● 20-25°C/ 68-77°F ● 4-5 days ● 200-300 sd/g

- The plants can withstand moderate frosts and freezes and work well in wet conditions as their open feathery leaves are less likely to trap and hold water than fringed- and round-leaved types



Red
FHB621



White
FHB622

Takii's Brassica:

- Unique in the garden landscape and combination planters
- Heads begin to show color on the central leaves when the air temperature regularly drops below 13-15°C /55-60°F

Variety Comparison among Bedding types

Variety	Diameter of Flower Head	Larger	A
Song Bird Red	D	↑ Smaller	B
Song Bird White	D		C
Song Bird Pink	D		D
Kamome Pink	C		A
Kamome Red	C		B
Kamome White	C		C
Pigeon Purple	C		D
Pigeon Red	C		
Pigeon Victoria	C		
Pigeon White	C		
Coral Prince	B		
Coral Queen	B		
Peacock Red	A		
Peacock White	A		



Zen™ series 15-20 cm / 6-8 inches

Calendula officinalis

Dark required 🌞 21-24°C/ 70-75°F 🕒 8-10 days 🌿 100-200 sd/g

- Uniquely compact, bushy plants with double flowers
- Suitable for both pot and bedding use
- Flower size: 7-8 cm/ 3 inches



Gold
FKN321



Orange
FKN322





F1 Takion™ series



40-50 cm
16-19 inches

Campanula persicifolia

● 15-20°C/ 59-68°F ● 15-18 days ● 8,500-17,000 sd/g

- Takion has a very good basal branching habit with 6-8 sturdy stems of showy, long-lasting bell-shaped flowers in spring
- Very hardy and survive at least to -20°C/ -4°F
- Makes excellent garden perennial as well as a beautiful pot crop



Blue
FTU521



White
FTU522



Vernalization Tips for Takion

* After plants attain mature vegetative growth, they require vernalization.

The plants require about one month of temperatures below 8°C/46°F.

They endure light frost.

* After vernalization, heating at 10-15°C/50-60°F accelerates the flowering by approximately one month.

* The advantage of Takion is that it grows faster and comes into flower in a shorter period of time.

Sow the seed in the autumn, it will flower in the spring.



F1 South Pacific™ Scarlet

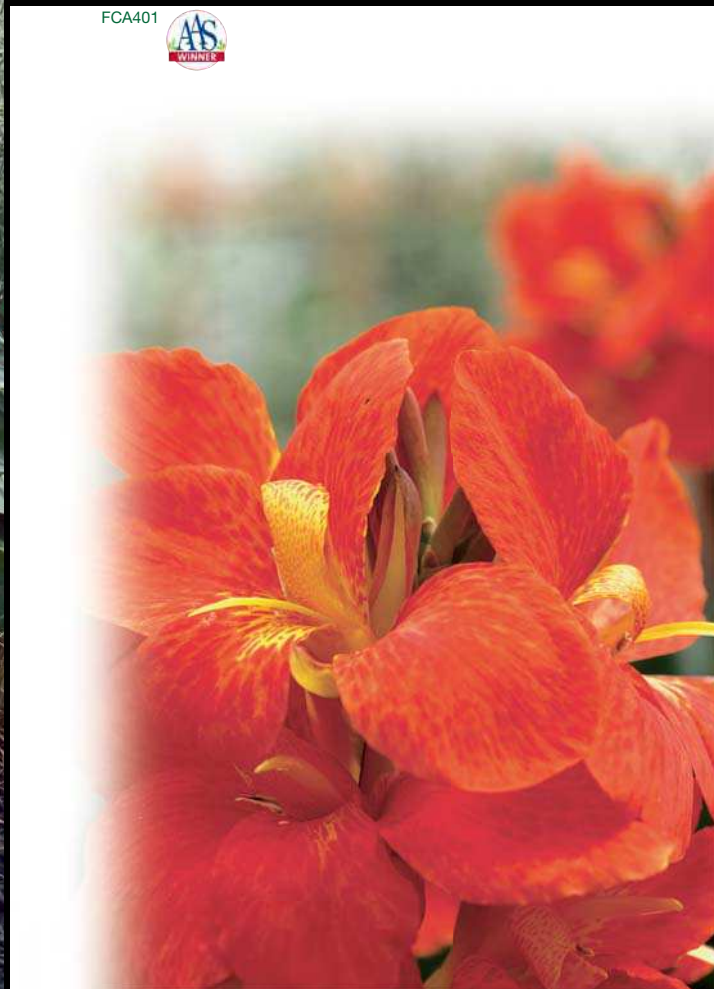


65-80 cm
26-32 inches

Canna generalis

● 20-30°C / 68-86°F
 ● 10-15 days
 ● 3-7 sd/g

- The first F1 Canna from seed and a 2013 AAS award winner
- Better uniformity at its early stage of germination compared with our existing variety, Tropical series
- Good basal branching
- Being from seed, South Pacific Scarlet is not prone to diseases often transmitted in rhizome propagation
- The vibrant scarlet of the large flowers creates a dramatic and tropical feel
- Use this striking beauty in planters, mixed containers, gardens, landscapes and in shallow areas of water features



FCA401



Tropical™ series

60-75 cm
24-30 inches

Canna generalis

Temp. fluctuation is preferable ■ 20-30°C/ 68-86°F ■ 10-15 days ■ 3-7 sd/g

- Canna Tropical series is a seed product and is extra dwarf
- Production period is fast and plants are characterized by readily producing offsets, making full finished pots with tremendous consumer appeal
- Tropical White produces flowers with or without pink spots, with the flowers on individual plants exhibiting the same degree of spotting
- Prefers warm and humid conditions over 25°C/ 77°F



Bronze Scarlet
FCA211



Red
FCA121



Rose
FCA122



Salmon
FCA124



White
FCA127



Yellow
FCA126

It is possible to have a water garden with canna Tropical



Canna



Tropical Bronze Scarlet, released in 2010, is the first bronze leaved Canna from seed





Conga™



10-15 cm
4-6 inches



Capsicum annuum

● 20-22°C/ 68-72°F ● 10-12 days ● 280-300 sd/g

- Dark Purple foliage with fruits that start to color from purple to deep orange
- A stand-alone variety with a plant habit between Mambo and Salsa series
- The plant can be ready for sales two weeks earlier because the fruits are already attractive purple color at the start



FTGH11



Cubana™ series



15-20 cm
6-8 inches

Capsicum annuum

● 20-22°C/ 68-72°F ● 10-12 days ● 150-210 sd/g

- Excellent large fruit on top of vigorous plant
- Oval type of fruit with five colors can be used in various combinations in mixed containers and pots



Deep Orange
FTGG94



Multicolor Orange
FTGG96



Multicolor Red
FTGG97



Red
FTGG92



Yellow
FTGG93



Mixture
FTGG90

Mambo™ series



Capsicum (Ornamental Pepper)

Capsicum annuum

20-22°C/ 68-72°F
10-12 days
220-250 sd/g

● Longer, round fruit on compact plants with many branches



Orange
FTGG72



Purple Orange
FTGG76



Purple Red
FTGG75



Red
FTGG73



Yellow
FTGG74



Yellow Red
FTGG77



Mixture
FTGG70



10-18 cm
4-8 inches



Tango™ series



10-20 cm
4-8 inches



Capsicum annuum

● 20-22°C/ 68-72°F ● 10-12 days ● 170-200 sd/g

● Tango is a series with fruits centered in the middle of the plant



Deep Orange
FTGG51



Light Orange
FTGG52



Red
FTGG53



Yellow
FTGG54



Mixture
FTGG50

Capsicum (Ornamental Pepper)

Salsa™ series



10 cm
4 inches



Capsicum annuum

● 20-22°C/ 68-72°F ● 10-12 days ● 180-260 sd/g

● Pointed, small fruit on compact plants



Takii's Capsicum Variety Comparison among Series

Series / Variety	Shape	fruit size (cm)	fruit size (inch)	Beginning color of fruits	plant size
Maya Conga		3 x 1	1.2 x 0.4	Purple	C
Maya Cubana		4.5 x 2	1.8 x 0.8	Green, Cream	B
Maya Tango		4.5 x 2	1.8 x 0.8	Green	C
Maya Mambo		3.5 x 1.5	1.4 x 0.6	Green	C
Maya Salsa		2.5 x 1	1 x 0.4	Green	D
Maya Favorit		3.5 x 1	1.4 x 0.4	Green with slightly black	C
Maya Uchu		4-5 x 0.5	1.6-2 x 0.2	Cream	B
Shien		2.5 x 1	1 x 0.4	Purple	A
Sunshine		2 x 1	0.8 x 0.4	Cream	B

Larger A
B
C
D
Smaller

Favorit™ series



Capsicum annuum

🌡️ 20-22°C/ 68-72°F
🕒 10-12 days
🌱 200-250 sd/g

- Pointed fruit on compact plants with dark green foliage
- Fruit is green with slightly black coloring at the start



Deep Orange (Formerly Red)
FTGG12



Orange
FTGG11



Yellow
FTGG13



Mixture
FTGG10

Uchu™ Cream Red



Capsicum annuum

🌡️ 20-22°C/ 68-72°F
🕒 10-12 days
🌱 270-370 sd/g

- Slim fruit on medium sized plants with unique, variegated foliage
- Fruit is cream colored at the beginning



FTGG91

Shien™



Capsicum annuum

🌡️ 20-25°C/ 68-77°F
🕒 10-15 days
🌱 250-300 sd/g

- Produces many fruits on medium sized plants with many branches
- Fruit is green at the beginning, changing to purple and red as it matures



FTG141

Sunshine™



Capsicum annuum

🌡️ 20-25°C/ 68-77°F
🕒 10-15 days
🌱 250-330 sd/g

- The mature plant produces a large quantity of fruit
- Fruit is cream colored with a slightly dark blush at the beginning, changing to red at the finish



FTG131

Castle™ series



40-50 cm
13-20 inches

Celosia plumosa

Dark required ■ 20-25°C/ 68-77°F ■ 8-10 days ■ 1,500-2,300 sd/g



Orange
FKT265



Pink
FKT267



Scarlet
FKT266



Yellow
FKT268



Mix
FKT269

- Castle is semi-dwarf in height, vigorous and has a self-branching habit
- The long-lasting flowers easily withstand summer heat and drought
- Excellent for landscaping, containers and gardens



Castle can be enjoyed in pot by multiple sowing

Armor™ series



30-40 cm
12-13 inches

Celosia cristata

Dark required ■ 20-25°C/ 68-77°F ■ 8-10 days ■ 1,200-1,500 sd/g

- Attractive large flower heads in bright colors on robust plants with lush foliage
- Ideal item for hot summer gardens as well as pot use
- Yellow is relatively compact in the series



Orange
FKT242



Purple
FKT245



Red
FKT241



Yellow
FKT243



Mix
FKT249

Giant Exhibition™ series 50 cm / 20 inches

Coleus blumei

Light required ● 20-22°C/68-72°F ● 4-6 days ● 3,100-3,800 sd/g

- Extra large leaves attract attention in the garden, also makes a great house plant
- Approximately 13 weeks from sowing to matured plant
- Remove any flower spikes to enhance the beauty of the foliage



Limelight
FCLA02



Magma
FCLA03



Marble
FCLA04



Palisandra
FCLA06



Rustic Red
FCLA07



Formula Mixture
FCLA09

Actual color ratios may vary from image



Coleus

Chrysanthemum

Snowland™ 20-30 cm / 8-12 inches

Chrysanthemum paludosum

● 15-20°C/ 59-68°F ● 5-10 days ● 1,200-1,900 sd/g

- Snowland has profuse clear white daisy-like flowers with yellow disks
- This variety has a uniform plant habit with large flowers that are bigger than other paludosum type Chrysanthemums
- Under warm temperatures and long-day conditions they produce many flowers, under cool temperatures and short-day conditions, they produce many branches



FCR127



F1 Telstar™ series



20-25 cm
8-10 inches

Dianthus chinensis x barbatus

● 21-24°C/ 70-75°F ● 5-6 days ● 700-1,900 sd/g

- Telstar is floriferous with excellent pack and garden performance, and also recommended for bedding and landscaping use
- The series produces vibrant flowers on well-branched plants
- Telstar was developed to have a high degree of resistance to Phytophthora and other damp-off pathogens, and is also resistant to both heat and frost
- Telstar White may have some pinkish flowered plants depending on climate conditions



Burgundy
FND578



Carmine Rose
FND564



Coral
FND563



Crimson
FND531



F1 Carpet™ series

Dianthus



Dianthus chinensis

21-24°C/ 70-75°F 5-6 days 1,100-1,600 sd/gr

- Carpet earns its name by forming a carpet of large flowers on heavily branched plants
- It is a compact series excellent for bedding and pot production



Mix
FSK529



Picotee
FND534



Pink
FND536



Purple
FND538



Purple Picotee
FND535



Salmon
FND565



Scarlet
FND532



White
FND533



Mix
FND539



Snow Fire
FSK511

Fire
FSK521

Crimson
FSK522

Rose
FSK525

Snow
FSK523

Oriental
FSK524



D
Dimorphothecca

Spring Flash™ series

25-30 cm
10-12 inches

Dimorphothecca sinuata

● 15-20°C/ 59-68°F ● 8-10 days ● 900-1,300 sd/g



- Spring Flash provides bright color for the early spring garden
- Excellent for containers, it can also be used for landscaping



Orange
FZZ624



Yellow
FZZ621

E
Erysimum (Cheiranthus / Wallflower)

Charity™ series

20-30 cm
8-12 inches

Erysimum cheiri

● 18-22°C/ 64-72°F ● 8-10 days ● 480-650 sd/g

- Charity is a very unique wallflower that blooms in both autumn and spring
- Flowers can handle frosts as low as -4°C/ 26°F with no damage, and plants can overwinter in mild climates
- Day-length neutral and no vernalization required for blooming
- The compact plants are excellent for pots and garden use and its sweet fragrance greatly adds to consumer appeal



Cream Yellow
FZZ727

[PVP]
[PBR]



Rose Red
FZZ728

[PVP]



Scarlet
FZZ725

[PVP]



Yellow
FZZ726

[PVP]
[PBR]



Mix
FZZ729

F1 Royal Semi-double™ series



25-65 cm
10-14 inches

Gerbera jamesonii

Light required 🌞 21-23°C / 70-73°F 🕒 4-6 days 🌱 250-350 sd/g

- Unique semi-double flowers
- The plant habit is identical to F1 Royal series



Deep Rose
FGBG16



Vanilla
FGBG13



Watermelon
FGBG14

F1 Royal Mini™ series



15-25 cm
6-10 inches

Gerbera jamesonii

Light required 🌞 21-23°C / 70-73°F 🕒 4-6 days 🌱 250-520 sd/g

- F1 Royal Mini is a new, extremely early flowering series
- The plants are compact and have a prostrate growing habit, which is important for the development of many buds



Deep Rose
FGBG27



Golden Orange
FGBG21



Lime Yellow
FGBG22



Orange
FGBG23



Red
FGBG24



Rose with White Tips
FGBG28



Scarlet
FGBG29



Yellow
FGBG26



Mixture
FGBG20



F1 Royal™ series



26-65 cm
10-14 inches

Gerbera jamesonii

Light required ■ 21-23°C/ 70-73°F ■ 4-6 days ■ 250-450 sd/g

- F1 Royal is an early flowering and very floriferous series
- It produces many eye-catching, large flowers in bright colors
- The plants provide continuous flowering through the sales period as well as in the consumer's garden



Apricot
FGBG41



Deep Orange
FGBG44



Prince Red
FGBG65

Slightly more compact growth than Royal series.
Suitable for 4 inch bench run programs.



Deep Pink
FGBG45



Deep Rose
FGBG64



Golden Yellow
FGBG46



Lemon
FGBG47



Orange Scarlet
FGBG49



Peach Imp
FGBG83



Red
FGBG52



Red Bicolor
FGBG67



Gerberera



Royal Deep Pink



Salmon Rose
FGBG54



Soft Pink
FGBG55



White
FGBG57



Yellow
FGBG56



Formula Mixture
FGBG01



Premium Mixture
FGBG06



Red Bicolor exhibits some color variation with flower petal color ranging from red to rose, and there is also some variation in the ratio of white to red/rose. Individual plants do not produce a mix of flower types.

H

F1 Sunny Smile™



15-50 cm
6-20 inches (Plant size varies according to pot sizes)

Helianthus annuus

● 20-25°C / 68-77°F ● 3-4 days ● 18-30 sd/g

- Sunny Smile is a F1 hybrid pollenless dwarf Helianthus bred for its branching habit
- With larger pots and sufficient nutrition, more branching is promoted
- Stress on the root system also promotes branching
- Dark central disk stays flat with age
- Regardless of day length, it flowers all year round in about 50 to 55 days when grown at temperatures above 15°C / 60°F
- In small pots under short-day conditions the plant would be a miniature size of about 15 cm / 6 inches



FHM411

Big Smile™



15-50 cm
6-20 inches (Plant size varies according to pot sizes)

Helianthus annuus

● 20-25°C / 68-77°F ● 3-4 days ● 20-45 sd/g

- Big Smile is a dwarf OP variety
- Ideal for spring to summer production, but can also be used for production any time of year with sufficient temperature
- Big Smile is suitable for pots and containers, good for impulse sales at retail
- It blooms in 50-55 days



FHM313

L

Blue River™



25-30 cm
10-12 inches

Lavandula angustifolia

● 18-20°C / 64-68°F ● 20-25 days ● 1,000 sd/g

- Winter hardy, seed-propagated Lavender which has floriferous deep blue spikes
- Its uniformity and vigor make it ideal for landscapes and mixed containers



FZZG01

Lavandula

Fantasy™ series

Linaria maroccana

● 20-21°C/ 68-70°F
 ● 15-20 days
 ● 9,500-17,000 sd/g

- All varieties of Fantasy are bred to be dwarf
- The crop grows year-round in cool, mild areas
- Will withstand frosts and short duration freezes to -4°C/ 26°F without injury
- It is especially suitable for mass plantings and is often used in hanging baskets and mixed containers to provide bright color accents



Apricot
FLN112



Blue
FLN105



Magenta Rose
FLN101



Pink with Yellow Eye
FLN110



Scarlet with Yellow Eye
FLN108



Speckled Pink
FLN102



Violet with Yellow Eye
FLN109



White
FLN107



White with Yellow Eye
FLN111



Yellow
FLN103



Autumn Mix
FLN120



Spring Mix
FLN119

Variety Comparison within Series

Variety	Earliness of Flower		Plant Height	
	Extra early	Early	cm	inch
Apricot		●	15-20	6-8
Blue		●	15-20	6-8
Magenta Rose		●	15-20	6-8
Pink with Yellow Eye	●		15-20	6-8
Scarlet with Yellow Eye		●	15-20	6-8
Speckled Pink		●	15-20	6-8
Violet with Yellow Eye		●	15-20	6-8
White	●		15-20	6-8
White with Yellow Eye		●	15-20	6-8
Yellow	●		15-18	6-7

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.



F1 Carmen™ series



15-25 cm
6-10 inches

Eustoma grandiflorum

Light required ■ 15-20°C/ 59-68°F ■ 20-25 days ■ 700-1,300 pel/g

- Excellent pot Lisianthus bred especially for its high quality root system
- It has more disease resistance against damping off from soil bacteria such as fusarium
- Carmen produces many medium sized, long lasting flowers



Blue
FRSG01



Blue Rim
FRSG05



Ivory
FRSG07



Lilac
FRSG04



Rose
FRSG06

F1 Marina™



13-25 cm
6-10 inches

Eustoma grandiflorum

Light required ■ 15-20°C/ 59-68°F ■ 20-25 days ■ 650-850 pel/g

- Marina produces very attractive single and long lasting flowers with blue picotee.
- Dwarf shape and good branching plant suitable for pot Lisianthus.
- Compared to Carmen series, relatively smaller flower size and lighter color leaves.



FRS829

F1 Rosie™ series



15-25 cm
6-10 inches

Eustoma grandiflorum

Light required ■ 15-20°C/ 59-68°F ■ 20-25 days ■ 900-1,200 pel/g

- Rosie produces very attractive fully double, long lasting flowers
- Genetically dwarf pot Lisianthus with improved root quality



Lavender Blue
FRSG21



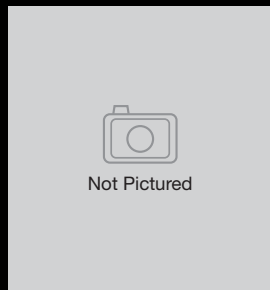
Pink
FRSG25



Rose Picotee
FRSG22



White
FRSG23



Lilac
FRSG24



Not Pictured

Aqua™ series 10-15 cm 4-6 inches

Lobelia erinus

● 21-25°C / 70-77°F
 ● 12-15 days
 ● 32,000-37,000 sd/g,
550-700 multi pel/g

- It has a compact growth habit
- Excellent for garden borders
- Aqua is also outstanding in pots



Blue
FLO406



Blue with Eye
FLO402



Lavender
FLO401



Sky Blue
FLO405



White
FLO407



Aqua Blue

L
obelia

L
obularia (Sweet Alyssum)

Aphrodite™ 5 cm 2 inches

Lobularia maritima

● 18-20°C / 64-68°F
 ● 3-5 days
 ● 3,500-4,200 sd/g

- Compact habit with unique color range makes the garden displays more attractive
- All of the colors are sweetly scented and the plants are winter hardy



Formula Mixture
FARA00



Cinderella™ series



Matthiola incana

Dark required ■ 18-20°C/ 64-68°F ■ 3-5 days ■ 500-900 sd/g

- Dwarf selectable Matthiola with hairy leaves
- The double flower plant ratio of Red and White is less than the remaining colors in the series
- Seedlings are easily selectable for doubleness after they are exposed to cold temperatures below 8°C/ 46°F with light. Double flower seedlings will show pale green cotyledons and single flower seedlings will show dark green cotyledons (See page 49)



Appleblossom
FSTA02



Blue
FSTA03



Champagne
FSTA04



Hot Pink
FSTA05



Lavender
FSTA06



Pink
FSTA07



Purple
FSTA08



Red
FSTA09



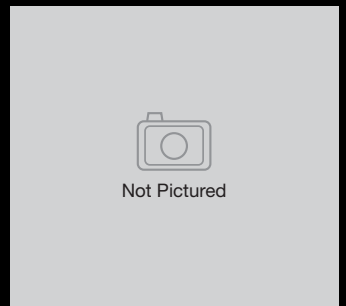
Silvery Blue
FSTA11



White
FSTA12



Yellow
FSTA13



Vivid Formula Mixture
FSTA00



Harmony™ series 18-25 cm 6-8 inches

Matthiola incana

Dark required ● 18-21°C/ 64-70°F ● 4-5 days ● 450-900 sd/g



Cherry Blossom
FST713



Cream Yellow
FST727



Deep Rose
FST721



Light Rose
FST718



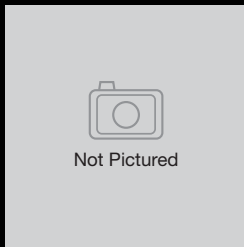
Purple
FST714



Violet
FST722



White
FST723



Mix
FST720

- Uniform, dwarf, branching series with excellent fragrance
- More compact, better branched and earlier when compared to the Midget series
- Harmony has approximately 50% doubles and is selectable for doubleness by the cotyledon (See the below)
- Good for cool season production in pots or containers



Selection tip for double flowered seedlings

Series	Page	Timing of Selection	Selection Method	
Midget	50	3 true leaves	Select by shape of true leaves.	Double: Serrated leaf Single: Smooth leaf
Harmony	49	A pair of cotyledons	Select by color, size and shape of cotyledon, also by growing speed.	Double: Lighter green Larger leaf Single: Darker green Smaller leaf
Xmas	106			Grow faster (Taller) Grow slower (Shorter)
Glory	106			Double: Lighter green Larger leaf Single: Darker green Smaller leaf
Cinderella	48	Cotyledons and true leaves	Select by color of leaves. Can be put in cold strage of 8°C/46°F for 2-3 days in cotyledon stage, then color difference will be more clearly.	Double: Lighter green Larger leaf Single: Darker green Smaller leaf
Canneto	104	Not needed		Average of 90% double-flowering type
Noble	105			
Regal	104			
Wonder	105			

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

Midget™ series

15-23 cm
6-8 inches

Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 450-750 sd/g

- Midget is selectable for double flowers by leaf shape
- It is easy to distinguish plants at 3 to 4 true leaf stage - doubles have serrated true leaves and the singles have smooth-margined true leaves (See page 49)



Mix
FST710

Casino Light Yellow™

20-35 cm
8-14 inches

Melampodium paludosum

Temp. fluctuation is preferable ■ 20-30°C/ 68-86°F ■ 8-10 days ■ 150-250 sd/g



FML115



- The plants are taller and more vigorous than Lemon Delight
- Ideal for knee-high level displays in the garden
- It does particularly well in hot and humid climates

Lemon Delight™

15-30 cm
6-12 inches

Melampodium paludosum

Temp. fluctuation is preferable ■ 20-30°C/ 68-86°F ■ 8-10 days ■ 150-250 sd/g

- Bright yellow flowers make a good combination with Million Gold in the garden
- Blooms continuously until first frost
- Blooms in 80 to 95 days from sowing
- These dwarf varieties are excellent for packs, 10 cm/ 4 inches pots, and for landscapes



FML133

Million Gold™



15-60 cm
6-12 inches

Melampodium paludosum

Temp. fluctuation is preferable 🌡️ 20-30°C/ 68-86°F 🕒 8-10 days 🌿 150-250 sd/g

- Self-cleaning habit, new flowers cover the old flowers so plant continues to have fresh flowers showing all season long
- Blooms continuously until first frost
- Blooms in 80 to 95 days from sowing
- These dwarf varieties are excellent for packs, 10 cm/ 4 inches pots, and for landscapes



FML123





Passion series™



18-28 cm
6-10 inches

Osteospermum ecklonis

● 18-22°C/ 64-72°F ● 8-10 days ● 70-100 sd/g

- AAS winner, Passion Mix is a heavily-branched, compact and bushy variety which does not need pinching
- Now 3 separate colors are available
- Unlike the vegetative varieties, seed-raised Passion series retains its compact habit very well
- They grow and flower almost year-round in mild areas, with the heaviest blooming period in early spring through early summer
- Plants are well adapted to container culture such as color bowls and combination planters



Passion Mix is everybody's favorite



Pink Shades
FOM213



Rose
FOM212



White
FOM211



Mix
FOM110



F1 Black Velvet™ series



23-35 cm
10-14 inches

Pelargonium x hortorum

🌡️ 15-20°C / 59-68°F
🕒 4-6 days
📊 180-250 sd/g

- Eye-catching due to the very dark, rich chocolate foliage with narrow contrasting green edge
- The leaf coloration develops as the plant grows and is not visible in the first few leaves



Eye-catching dark chocolate of Black Velvet displayed at garden



P
elargonium (Geranium)



Coral
FGEA02



Pink
FGEA03



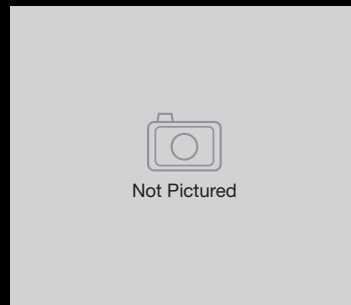
Rose
FGEA04



Salmon
FGEA05



Scarlet
FGEA06



Formula Mixture
FGEA00

P

F1 Nature™ series

15-25 cm
6-10 inches

Viola wittrockiana

● 18-20°C / 64-68°F ● 7-13 days ● 550-1,400 sd/g

Nature series with multi-bloom habit and wide color range gives brilliance to gardens.

Pansy (Viola wittrockiana)



- A breakthrough in breeding, a true multiflora pansy and viola cross with flowers that completely cover the plants
- Compact, very strong plants, very vigorous and extra floriferous
- Wide color range including many unique colors, excellent for both spring and fall sales
- Strong landscape performer – fast rebound from rain and freezes, outstanding winter survivability
- “A Landscaper’s Dream” – perfect for mass plantings and mixed containers as well as for pots and packs



Antique Shades
FPA767



Beacon
FPA742



Blue and Yellow
FPA735



Frosty Blue
FPA743



Frosty Rose
FPA736



Lemon Yellow
FPA732



Mulberry Shades
FPA740



Ocean
FPA726



Orange
FPA745



Plum Purple
FPA739



Red and Yellow
FPA764



Red with Blotch
FPA731



Rose Picotee
FPA747



Rose Pink
FPA738



Rose with Blotch
FPA722



White
FPA724



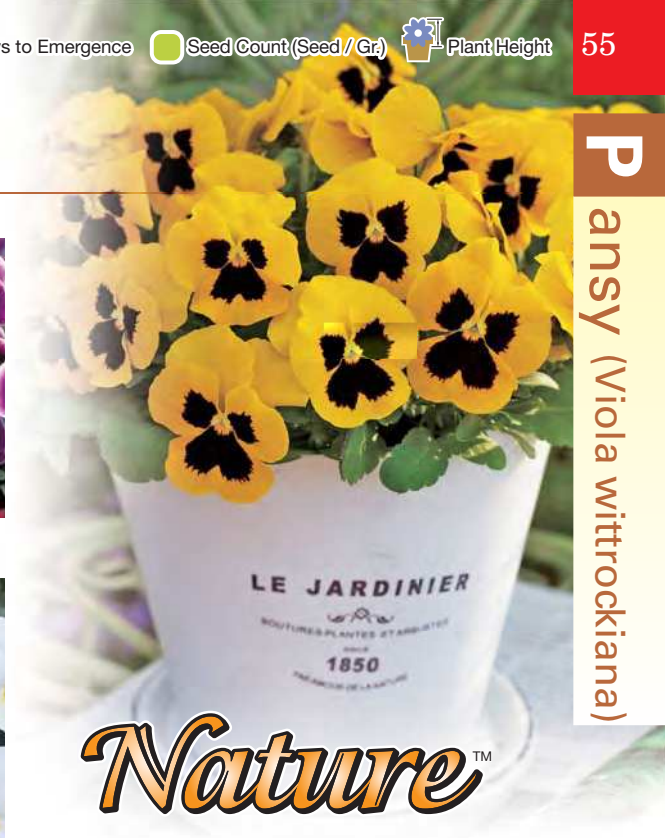
Yellow
FPA721



Yellow with Blotch
FPA749



Formula Mixture
FPA729



Nature™

Any landscape pattern is possible with Nature
Many color assortment of Nature attract gardeners



F1 Clean Scarlet™



15-25 cm
6-10 inches

Viola wittrockiana

18-20°C/ 64-68°F 7-13 days 700-1,000 sd/g

- Clean Scarlet is among the brightest of the scarlet colored Pansies

- It is excellent for bedding and container use



FPA619

F1 Imperial™ Antique Shades



15-25 cm
6-10 inches

Viola wittrockiana

18-20°C/ 64-68°F 7-13 days 650-800 sd/g

- Suitable for pots and packs as well as mixed container production

- Imperial Antique Shades shows various color ranges



FPA550

F1 Trilogy™ series



Petunia hybrida

Light required ■ 22-25°C / 72-77°F ■ 5-10 days ■ 650-850 pel/g

Mounding type

- 2015 newly released series
- With its strong habit and non-fading blooms throughout the season, Trilogy Red has received a 2015 AAS National Award
- The plant is a mounding type with a good branching habit, and keeps their tidy, compact habit
- Strong flower petals stand up to humid conditions
- Reaching a height of about 15-25 cm / 6-10 inches, and a width of 50-60 cm / 20-24 inches when fully mature, Trilogy is a fabulous landscape and container performer
- Series requires less PGR use, adapts to any protocol

Trilogy means advantageous for
PETUNIA

Growers :
No special technique, adapts to your protocol

Retailers :
Long shelf life, no more tangling

Consumers :
Minimal care, maximum performance all season



Blue
FPT648



Deep Purple
FPT657



Lavender Pink
FPT650



Purple
FPT646



Trilogy Blue



Red
FPT656



Rose
FPT643

P
etunia



Trilogy Purple

Trilogy White has an excellent flower and plant shape among other white varieties.



Scarlet
FPT645



White
FPT641



F1 Opera Supreme™ series



10-20 cm
4-8 inches
60-100 cm
20-40 inches

Petunia hybrida

Light required ■ 22-25°C / 72-77°F ■ 5-10 days ■ 650-850 pel/g

Trailing type

- Opera Supreme has a very floriferous habit, less day length sensitivity, and a low, spreading habit that are key characteristics preferred for trailing petunias
- Its flowers have a very attractive iridescent quality, or sheen, and are borne in great profusion from the centers to the tips on the spreading plants
- Outstanding in garden beds, window boxes, combination pots and hanging baskets
- Red has a more vigorous plant habit than other trailing petunias in the red color segment
- Opera Supreme White may have some pinkish flowered plants depending on climate condition



F1 Opera Supreme provides season-long color to city landscapes



Blue
FPT629



Lilac Ice
FPT632



Raspberry Ice Imp
FPT638

F1 African Sunset™



● 25 cm / 10 inches
● 56 cm / 22 inches

Petunia hybrida

Light required ● 22-25°C / 72-77°F ● 5-10 days ● 650-850 pel/g

Mounding type

- Takii introduced this first orange-colored petunia from seed
- With its unique color and strong habit, African Sunset received a 2014 AAS award
- The plant is a high-mounding type with a good branching habit
- Strong flower petals stand up to humid conditions
- Reaching a height of about 25 cm/ 10 inches, and a width of 50-64 cm/ 20-25 inches when fully mature, African Sunset is a fabulous landscape performer
- It also excels in hanging baskets and mixed containers



Its excellent spreading habit is suitable for hanging baskets.



Coral
FPT630



Lavender
FPT627



FPT671



Pink Morn
FPT633



Purple
FPT631



Red
FPT637



White
FPT626



F1 Symphony™ series



20-30 cm
8-12 inches
20-30 cm
8-12 inches

Petunia hybrida

Light required ■ 22-25°C / 72-77°F ■ 5-10 days ■ 7,000-14,000 sd/g

Multiflora type

- Excellent after-rain recovery and compact growth habit
- Early, prolific, free-flowering plants very resistant to central plant split
- Excellent for pots and containers, as well as landscape beds



Blue Star
FPT729



Burgundy Star
FPT690



Chiffon
FPT689



Deep Rose
FPT713



Deep Salmon
FPT687



Lavender Pink
FPT688



Light Blue
FPT722



Purple
FPT719



Red
FPT691



Red Picotee
FPT703



Rose
FPT712



Rose Morn
FPT695



Rose Star
FPT702















Salmon Morn
FPT696



White
FPT707

Taki's Petunia characteristics by series

Series	F1 Symphony	F1 Trilogy	F1 African Sunset	F1 Opera Supreme
Type	Multiflora			
	Standard	Mounding		Trailing
Flower size	5.5-7.5 cm / 2.2-3.0 inches 	6.5-7.5 cm / 2.6-3.0 inches 	8.5 cm / 3.3 inches 	6.5-7.5 cm / 2.6-3.0 inches 
Plant habit in pot (10 cm / 4 inches) No PGR treatment				
Plant habit in garden	Height at maturity: 20-30 cm / 8-12 inches Width at maturity: 20-30 cm / 8-12 inches	Height at maturity: 15-25 cm / 6-10 inches Width at maturity: 50-60 cm / 20-24 inches	Height at maturity: 25 cm / 10 inches Width at maturity: 55 cm / 22 inches	Height at maturity: 10-20 cm / 4-8 inches Width at maturity: 80-100 cm / 30-40 inches
				

Cameo Elegance™



Pharbitis purpurea (Ipomoea purpurea)

20-30°C / 68-86°F
4-5 days
40-60 sd/g

- Variegated foliage with flowers of rose-red with white throats make Cameo Elegance a novelty item
- It blooms most prolifically under short-day conditions
- Excellent packet seed item due to ease of culture
- The plant can be used in many different styles, such as trailing pot, landscape ground cover, hanging basket and climbing vine



FAA451 Trailing vines add dimension to containers

Pharbitis (Ipomoea)

Becky™ series



Rudbeckia spp.

20-25°C / 68-77°F
10-13 days
2,200-2,500 sd/g

- Flowering is more uniform and earlier than other Rudbeckia varieties
- The dwarf plants are covered with an abundance of large flowers
- Heat and drought tolerant, flowers all summer and fall, until a hard freeze
- The eye-catching flowers perform very well in summer gardens, and have great consumer appeal for retailers



Formula Mixture
FZZ489

Rudbeckia



Cinnamon Bicolor
FZZ484



Orange
FZZ482



Yellow
FZZ483

Summer Jewel™ series



68-80 cm
14-19 inches

Salvia coccinea

● 20-25°C/ 68-77°F ● 10-15 days ● 600-700 sd/g



- Amazing performance, blooms heavily all summer
- Excellent branching habit produces a multitude of flower spikes
- Vivid flowers attract hummingbirds
- Significantly earlier than other existing varieties under long day conditions
- All colors of Summer Jewel series are awarded by All America Selections



Lavender
FSR304



Pink
FSR302



Red
FSR301



White
FSR303



Good garden design using Summer Jewel Red and Pink



Hummingbird™ series

Salvia coccinea

🌡️ 20-25°C/ 68-77°F
🕒 10-15 days
🌱 650-700 sd/g

- Extremely long blooming time attracts consumers
- Well branched plants with brilliant flowers appear about 11 weeks from sowing
- Can be used for bedding, planters, baskets, pots and borders



Coral Nymph
FSRA11



Forest Fire
FSRA13



Lady in Red
FSRA12



Snow Nymph
FSRA14

Fizz™ series

Salvia splendens

🌡️ 20-25°C/ 68-77°F
🕒 10-15 days
🌱 250-370 sd/g

- Fizz series is early to flower with densely packed flower columns which gives each plant a strong show of color
- Flowers are long lasting at consumer level as well as a long shelf-life at retail
- The branching habit gives a fullness to the plant and the flower color contrast to the dark foliage gives a better color show in the landscape



Cream
FSR275



Grape
FSR274



Peach
FSR272



Raspberry
FSR273



Strawberry
FSR271

Sangria™

Salvia splendens

🌡️ 20-25°C/ 68-77°F
🕒 10-15 days
🌱 250-350 sd/g

- Sangria is a unique bicolored salvia with red petals and lime green calyxes
- It also has an outstanding branching habit and exhibits excellent garden performance
- Sangria blooms about 15 days later than Fizz series



FSR251

S Early Perfection™ series

20-25 cm
8-10 inches

Senecio cruentus

Light required ■ 20-24°C/ 68-75°F ■ 10-14 days ■ 2,700-5,000 sd/g

- Produces a beautiful display of colorful daisy-like flowers
- Dwarf, compact plants that are suitable for pot use



Blue
FSN313



Pink
FSN312



Purple
FSN315



Red
FSN311



Rose
FSN317

S

olanum

Thurino Light™

25-35 cm
10-14 inches

Solanum pseudocapsicum

Light required ■ 22-24°C/ 72-75°F ■ 10-12 days ■ 240-290 sd/g

- Bright fruits grow on the dark green foliage plant, uniquely interesting for autumn sales
- Ideal day length is 16-18 hours



Light green fruits turning orange red
FNSG02

T

anacetum (Matricaria)

Golden Moss™

10-15 cm
4-6 inches

Tanacetum parthenium

Light required ■ 15-20°C/ 59-68°F ■ 3-5 days ■ 9,000-12,000 sd/g

- Compact Matricaria
- Used as a garden edge, in mixed containers or for landscaping
- Attractive scent



FMTA11

Carlos™ and Santana Yellow™



Tanacetum parthenium

Light required 🌞 15-20°C/ 59-68°F 🕒 3-5 days 📊 7,500-10,000 sd/g

- Carlos and Santana Yellow are day-length neutral
- Nice combination of white and soft yellow flowers in one container



Carlos
FMTA14



Santana Yellow
FMTA15

Tanacetum (Matricaria)

Serenity™ series



Verbena x hybrida

🌞 15-20°C/ 59-68°F 🕒 15-20 days 📊 900-1,100 sd/g

- Serenity Mix is an excellent mix of pastel lavenders, white, carmine red to pink
- Now a separate color, Pink, is available
- Its deeply-cut fern-like foliage is dark forest green
- In cool climates it will stay dwarf, producing a carpet
- In warmer areas the Serenity series will be a perennial



Pink
FBB231



Mix
FBB210

Verbena



F1 Floral Power® series



10 cm
4 inches

Viola (Viola cornuta)

Viola cornuta

● 18-20°C/ 64-68°F ● 7-15 days ● 900-1,900 sd/g

- Mound type viola which produces an abundance of round-shaped, thick petaled flowers on compact yet vigorous plant
- Excellent for early spring sales



Apricot Lip
FBRA01



Cream
FBRA33



Cream Yellow Lip
FBRA20



Deep Blue Blotch
FBRA22



Deep Purple Beacon
FBRA23



Gold Purple Wing
FBRA16



FLORAL POWER



Lavender Blue
FBRA24



Lavender Pink
FBRE03

2016
NEW



Floral Power Yellow Surprise



Lilac Rose White Centre
FBRA17



Orange
FBRA04



Orange Red Wing
FBRA05



Pink with Lemon Lip
FBRA19

Viola (Viola cornuta)



Pure White
FBRA06



Purple Face
FBRA35



Floral Power Lavender Pink



Purple Rose White Face
FBRA07



Purple Tiger Eye
FBRA08



Red
FBRA31



Rose Wing
FBRA27



Sky Blue Blotch
FBRA34



Soft Pink
FBRA32



True Blue
FBRA11



White Purple Wing
FBRA14



Yellow Blotch
FBRE04



Yellow Blotch Red Wing
FBRA18



Yellow Purple Wing
FBRA28



2015 NEW
Yellow Surprise
FBRE00

Viola (Viola cornuta)



Apricot Antique
FBR537



Aztec
FBR573



Beacon
FBR561



Clear Ocean
FBR540



Electric Blue
FBR575



Fire
FBR572



Frosty Blue
FBR567



Heavenly Blue
FBR568

F1 Gem Scarlet in the American Takii garden



Lavender Antique
FBR538



Lavender Apricot
FBR579



Lavender Shades
FBR553



Lilac Antique
FBR562

F1 Gem™ series



Viola cornuta

🌡️ 18-20°C / 64-68°F
🕒 7-15 days
🌱 900-1,800 sd/g

- The wide and unique color assortment of this series provides a complete range both for consumers as well as professional landscapers
- The Gem series has strong over-wintering ability as well as exceptional heat tolerance
- Gem is excellent for color bowls, containers, pots, hanging baskets, and landscapes



Gem Rose Antique



Orange
FBR535



Pink Antique
FBR536



Plum Antique
FBR555



Red with Blotch
FBR531



Rose Antique
FBR578



Rose with Blotch
FBR532



Sapphire
FBR554



Scarlet
FBR569



White
FBR549



Yellow
FBR571



V

i
o
l
a
(*Viola cornuta*)

F1 Four Seasons™ series

10 cm
4 inches

Viola cornuta

● 18-20°C/ 64-68°F ● 7-15 days ● 950-1,600 sd/g

- Trailing, without excessive creeping, floriferous even on the top of plants
- Later flowering than normal type viola, excellent performance in the spring after plants produce some growth
- Suitable for hanging, large pot, landscaping



Blue
FBRA83



Blue with Yellow
FBRA79



Indigo Wing Blue
FBRB52



Plum Yellow Face
FBRA87



Purple Wing Yellow
FBRB53



Rose Face
FBRA75



Velvet
FBRA88



White
FBRA82






White Yellow Eye
FBRB57



Yellow
FBRA99



Four Seasons Yellow may not make its whisker clearly under high light conditions

Viola comparison		
Plant Habit	upright	trailing
small 	Gem	Four Season
	Floral Power	
large 	Nature (See Page 54-55)	

Crystal™ series



15-30 cm
6-12 inches

Zinnia angustifolia

20-22°C/ 68-72°F 5-6 days 2,000-3,200 sd/g

- Crystal series have single, daisy-like blooms that are very attractive on compact plants
- Crystal Zinnias show high tolerance to powdery mildew and have superior garden performance



Orange
FZN713



White
FZN714



Yellow
FZN712

Summer garden looks delightful with Takii's Crystal

F1 Dreamland™ series



20-40 cm
8-16 inches

Zinnia elegans

● 20-22°C/ 68-72°F ● 5-6 days ● 100-200 sd/g

- Takii's Dreamland is an early, large dahlia-flowered type providing a great color show both in containers and in the garden
- Much less instance of Xanthomonas and Alternaria disease problems with Dreamland than other varieties under warm weather conditions
- Excellent choice for pot and pack sales, with great consumer appeal



Coral
FZN625



Pink
FZN623



Rose
FZN627



Yellow
FZN624

Zinnia



Ivory
FZN626



Red
FZN628



Scarlet
FZN621



Mix
FZN629

Grasses, Sedges and Rushes

Natural Look collection



Bronze Curls
Carex comans
(New Zealand Hair Sedge)

FGRA03



Auburn
Carex flagellifera
(Weeping Brown Sedge)

FGRA04



Fresh Look
Carex pendula
(Pendulous Sedge)

FGRA05



Frosted Curls
Carex
(New Zealand Hair Sedge)

FGRA02



Elijah Blue
Festuca glauca
(Blue Fescue)

FGRA18



Fibre Optics
Isolepis cernua
(Fiber Optic Grass)

FGRA01

Genus	Species	Variety name	Germ Info	Germination Temperature		Days to Emergence	Seed Count (Seed/Gram)	Type	Plant Height		Remark
				°C	°F				cm	inch	
Carex	comans	Bronze Curls	Light required	18-22	64-72	12-20	1,600-1,800	 	30	12	● Fashionable component in planters and pots
Carex	flagellifera	Auburn	Light required	18-22	64-72	25-35	2,000-2,400	 	35	14	● Bronze-red leaves
Carex	pendula	Fresh Look	Light required	22-24	72-75	25-35	1,400-1,900	  	150	60	● It has cylindrical spikes of pendulous flowers ● Attractive shiny green leaves
Carex	—	Frosted Curls	Light required	18-22	64-72	12-20	1,700-2,000	 	25	10	● Very hardy ornamental grass which can be used for mixed containers and landscapes ● 5-6 months from sowing to sell, but can be shortened with multiple sowing
Festuca	glauca	Elijah Blue	Light required	18-20	59-68	7-14	900-1,000	 	25	10	● Extremely hardy perennial, it is one of the most important landscaping grasses ● Prefers full sun and well drained conditions ● Multiple sowing will shorten the growing time to finishing

- Use as landscape, garden or pot plant
- Easy to produce, high ornamental value
- Energy saving program
- Heat tolerant, low maintenance
- Develop your own grass assortment or combine with color items
- Long shelf life = Long sales window



Spiralis
Juncus effusus
(Corkscrew Rush)

FGRA06



Afro
Juncus inflexus
(European Meadow Rush)

FGRA08



Hedgehog Grass
Juncus

FGRA11



Pheasant Tails
Stipa arundinacea

FGRA24



Angel Hair
Stipa tenuissima
(Esparto Grass)

FGRA12



Genus	Species	Variety name	Germ Info	Germination Temperature		Days to Emergence	Seed Count (Seed/Gram)	Type	Plant Height		Remark
				°C	°F				cm	inch	
Isolepis	cernua	Fibre Optics	Light required	18-20	64-72	7-10	300-330 pel		20	8	<ul style="list-style-type: none"> ● Long-lived and easily maintained ornamental grass ● Withstands low light conditions and wide range of temperatures ● Can be used for pots, planters and terrariums
Juncus	effusus	Spiralis	Light required	22-24	72-75	35-45	1,000-1,200 pel		35	14	<ul style="list-style-type: none"> ● Strong twisted leaves on compact upright clumps
Juncus	inflexus	Afro	Light required	20-22	64-72	30-40	32,000		35	14	<ul style="list-style-type: none"> ● Attractive blue-grey strong spiral stems
Juncus	—	Hedgehog Grass	Light required	20-22	64-72	35-45	7,000-10,000		60	24	<ul style="list-style-type: none"> ● Nice architectural evergreen plants
Stipa	arundinacea	Pheasant Tails	Light required	18-20	59-68	7-10	3800		70	28	<ul style="list-style-type: none"> ● Ornamental grass item with bronze leaves
Stipa	tenuissima	Angel Hair	Light required	18-20	59-68	7-10	3,000-4,000		70	28	<ul style="list-style-type: none"> ● Thread-like, shiny light green leaves give a silky and elegant appearance ● It can be used in various ways such as for mixed containers and rock gardens as well as dried cut flowers



CUT FLOWERS

F1 Legend™ series (Group I)



100-120 cm
60-61 inches

Antirrhinum majus

Light required 🌞 15-20°C/ 59-68°F 🕒 10-12 days 🌾 5,300-7,300 sd/g

- Sturdy stems and strong flower petals for good cut flower transportation and vase life
- Dense flower spikes and intense colors make an impressive accent in flower arrangements



The showy yellow flowers have outstanding consumer appeal

Antirrhinum (Snapdragon)



Pink
FKG603



White
FKG602



Yellow
FKG601



Antirrhinum (Snapdragon)

F1 Chantilly™ series (Group I)



110-140 cm
40-55 inches

Antirrhinum majus

Light required ■ 15-20°C/ 59-68°F ■ 10-12 days ■ 5,000-9,000 sd/g

- Takii's open-faced Antirrhinum Chantilly has large flowers with an overall gorgeous impression
- Unique Snapdragon for short day and low temperature conditions



Bronze
FKG574



Cream Yellow
FKG572



Deep Orange
FKG587



Light Pink
FKG578



Light Salmon
FKG575



Pink
FKG585



Purple
FKG584



Velvet
FKG586



White
FKG591



Yellow
FKG588

F1 Sunshine™ series (Group I)

100-120 cm
33-47 inches

Antirrhinum majus

Light required ● 15-20°C/ 59-68°F ● 10-12 days ● 6,000-7,500 sd/g

- Sturdy stems support dense columns of bright flowers
- Long spikes are suitable for any floral arrangement as well as the home garden
- Ideal for short day and low temperature conditions



Deep Purple Eye
FKG556



Lemon Eye
FKG553



Light Purple Eye
FKG555



Antirrhinum (Snapdragon)

F1 Super™ series (Group I-II)

110-140 cm
43-55 inches

Antirrhinum majus

Light required ● 15-20°C/ 59-68°F ● 10-12 days ● 5,500-6,500 sd/g

- Growth is very vigorous with large flowers densely spaced on strong stems
- Ideal for short day and low temperature conditions



Pink
FKG542



White
FKG541



Yellow
FKG543

Takii's Antirrhinum Variety Comparison among Series

Series	Variety	Plant Height	Flower Size		
			cm	inch	
Chantilly	Bronze	A	5.0	2.0	
	Cream Yellow	B	5.0	2.0	
	Deep Orange	C	5.0	2.0	
	Light Pink	B	5.0	2.0	
	Light Salmon	A	5.0	2.0	
	Pink	B	5.0	2.0	
	Purple	B	5.0	2.0	
	Velvet	B	5.0	2.0	
	White	C	5.0	2.0	
	Yellow	B	5.0	2.0	
	Legend	Pink (NEW)	B	4.0	1.5
		White (NEW)	B	4.0	1.5
Yellow		B	4.0	1.5	

Series	Variety	Plant Height	Flower Size	
			cm	inch
Super	Pink	B	4.0	1.5
	White	A	4.0	1.5
	Yellow	B	4.0	1.5
Sunshine	Deep Purple Eye	C	3.5	1.4
	Lemon Eye	C	3.5	1.4
	Light Purple Eye	C	3.5	1.4

The data is based on trial results in Nagano prefecture, Japan. No pinching, set at 8°C/46°F during night



The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

B

rassica (Flowering Kale)

F1 Crane™ series

60-80 cm
24-30 inches

Brassica oleracea

● 20-25°C/ 68-77°F ● 4-5 days ● 200-480 sd/g

Feathered leaved type

- 2016 newly released cut flower Brassica with feathery leaves
- Feather Queen and Feather King have a very uniform, upright habit and complement each other very well

Round leaved type

- Winter bouquets are much more charming with the round shape, varied colors and long-lasting vase life of the Crane series
- Genetically, the flower head was bred to be compact; however, plant spacing will determine the size of the flower as well
- Crane Pink, Red and White have a very uniform, upright habit and complement each other very well



Feather King
FHB703



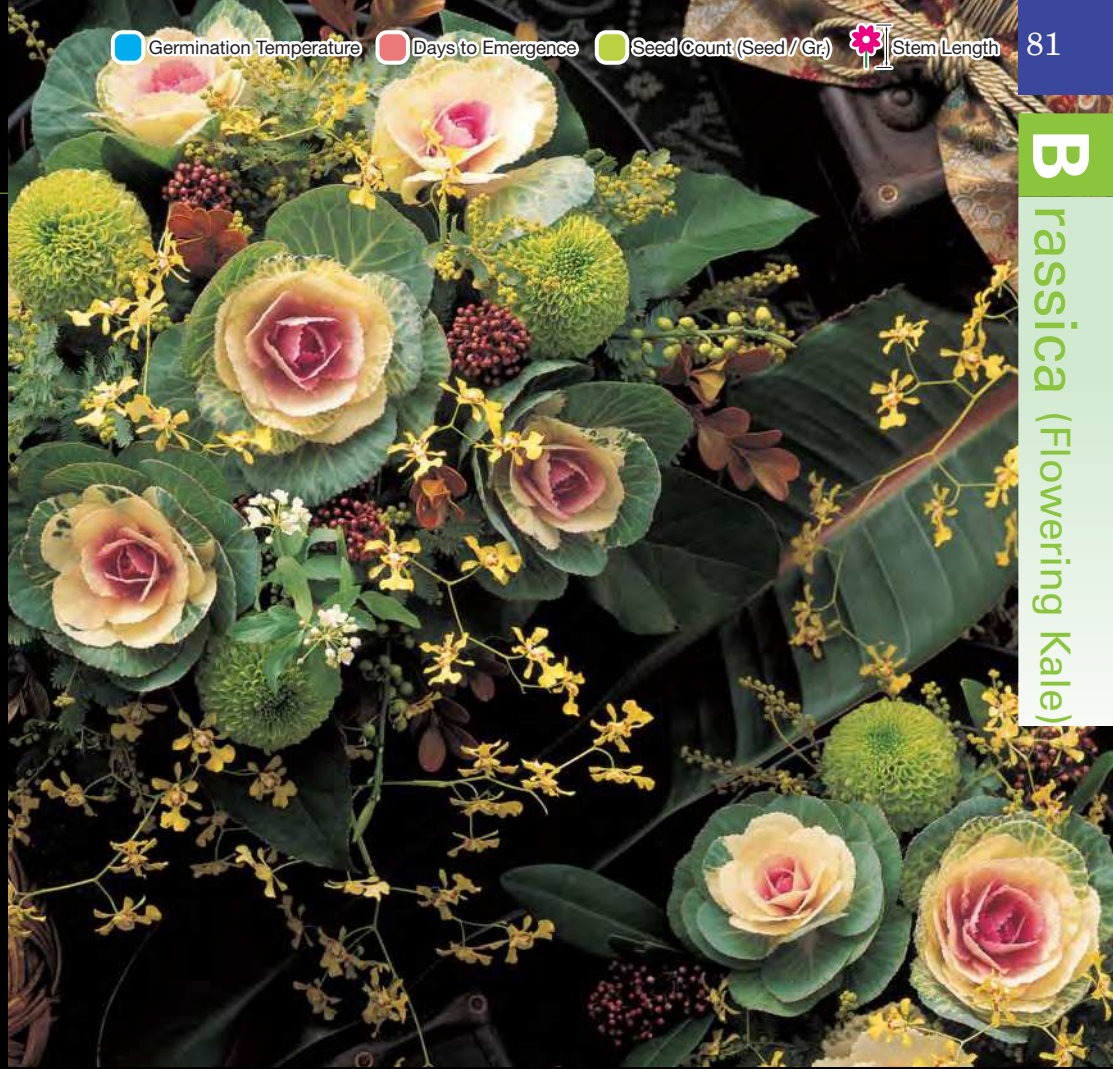
Feather Queen
FHB702

Unique cut leaves accentuate flower arrangement.



Takii's Brassica Variety Comparison among Cut Flower types

Variety	Plant Height
Crane Bicolor	B
Crane Pink	A
Crane Red	B
Crane Rose	B
Crane White	A
Crane Feather King (NEW)	A
Crane Feather Queen (NEW)	B
Lucir Red	B
Lucir White	A
Sunrise	B
Sunset	B
	Taller A Shorter B



Crane Bicolor with Japanese taste



Bicolor
FHB701



Pink
FHB690



Red
FHB684



Rose
FHB685



White
FHB652

Sunrise™ and Sunset™



60-90 cm
24-36 inches

Brassica oleracea

20-25°C / 68-77°F 4-5 days 300-500 sd/g

- The colors of Sunrise (creamy white with pink center) and Sunset (red) complement each other, working well in any floral arrangement
- The size of the head is determined by plant spacing



Sunrise
FHB314



Sunset
FHB312

F1 Lucir™ series

60-90 cm
24-36 inches

Brassica oleracea

20-25°C / 68-77°F 4-5 days 200-400 sd/g

- A very unique Brassica which has glossy green leaves
- In comparison to existing Brassica, the waxless glossy leaves of this Brassica show better color contrast of the center coloring



Left: F1 Lucir Right: F1 Crane

Lucir has glossy green leaves



The stunning Lucir Rose blended with the ever-popular rose brings beautiful color, texture and lasting abilities in floral designs



Rose
FHB711



Can be a pot plant with PGR



White
FHB712



Can be a pot plant with PGR

Kurenai™ series

60-70 cm
24-28 inches

Callistephus chinensis

20-25°C / 68-77°F
6-8 days
420-700 sd/g

- Good branching habit
- Semi-double flowers of medium size



Purple
FAS561



Red
FAS543



Rose
FAS553



White
FAS555

Nina™ series



Callistephus chinensis

15-20°C / 59-68°F 6-8 days 350-550 sd/g

- Nina has large numbers of small semi-double flowers on vigorous plants
- Nina series has more disease resistance when compared to other varieties, resulting in reduced losses in production
- This spray-type Callistephus is excellent for mixed bouquets



Callistephus (Aster)



Pink
FAS381



Rose
FAS384



Salmon Pink
FAS385



White
FAS382

Daylight™ series



Callistephus chinensis

15-20°C / 59-68°F 6-8 days 400-600 sd/g

- Vigorous plants produce large numbers of small single flowers
- Blue Frost and Rose Frost change petal colors from white to blue or white to rose as each flower matures which makes an attractive color gradation on each stem
- Blue Frost and Rose Frost have more resistance to disease compared to others in the series



Blue Frost
FAS368



Purple
FAS365



Red
FAS362



Rose
FAS363



Rose Frost
FAS367



Violet
FAS366



White
FAS369

Star™ series



50-60 cm
16-20 inches

Calendula officinalis

Dark required ■ 21-24°C/ 70-75°F ■ 8-10 days ■ 100-200 sd/g

- Highly valued for cut flower use with tall, sturdy stems and large double flowers
- The Star series is bred with special attention to higher disease resistance and good productivity



Gold
FKN201



Orange
FKN202

Kinko™ and Zanzibar™



120-160 cm
47-51 inches

Carthamus tinctorius

Dark required ■ 15-20°C/ 59-68°F ■ 4-6 days ■ 19-35 sd/g

- High quality cut flower item, can be harvested about 90 days after sowing
- Carthamus is sensitive for Manganese deficit. Leave fertilizing is effective to prevent this problem



Kinko
FSZB92



Zanzibar
FSZB95

Kurume™ series



70-120 cm
28-47 inches

Celosia cristata

Dark required ■ 20-25°C/ 68-77°F ■ 8-10 days ■ 1,300-1,600 sd/g

- Kurume varieties are crowned with grand combs of vivid color
- They have very high tolerance to heat, drought and disease, and are prized for summertime cut flower use
- Dense planting, spaced 10-15 cm/ 4-6 inches apart will produce smaller combs and thinner stems



Corona
FKT112



Gold
FKT113



New Scarlet
FKT122



Orange Red
FKT120



Rose
FKT116

Cannes™ series



20-140 cm
61-55 inches

Consolida spp.

Dark required ■ 13-18°C/ 55-64°F ■ 10-20 days ■ 200-400 sd/g

- Cannes series is disease resistant when compared to the other varieties, with much reduced losses in production
- Warm temperatures and long-day conditions induce flowering
- For harvest in winter season under short-days and cold conditions, maintaining temperatures above 10-13°C/ 50-55°F at night and providing day-length extension of 4 to 6 hours encourages better stem elongation and flower development



Consolida (Larkspur)



Blue Picotee
FTD243



Crystal Pink
FTD245



Deep Blue
FTD241



Lilac
FTD242



Purple Picotee
FTD251



Rose Stripe
FTD252



White
FTD255

F1 Aurora™ series



90-120 cm
35-47 inches

Delphinium elatum

Dark required ■ 15-20°C/ 59-68°F ■ 10-12 days ■ 300-550 sd/g

- Takii's F1 hybrid Aurora Delphinium's popularity continues to increase due to its outstanding performance as a cut flower as well as a garden perennial
- Excellent uniformity and quality
- Stems are very sturdy and leaves are relatively small, which make it ideal for cut flower use



Aurora can be used as garden plants or large container plants





Blue
FDL205



Deep Purple
FDL208



Lavender
FDL207



Light Blue
FDL211



Light Purple
FDL212



White
FDL213

Variety Comparison among Series

Variety	Flower Size		Plant Height	Taller ↑ A B Shorter ↓ C
	cm	inch		
Blue	5.5	2.2	C	
Deep Purple	5.5	2.2	A	
Lavender	6.0	2.5	C	
Light Blue	5.5	2.2	B	
Light Purple	5.5	2.2	C	
White	6.0	2.5	C	

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

Seed Storage

Store seeds under dry and low temperature (approx. 5°C/40°F) condition. Storing seeds at room temperature (above 18°C/46°F) may result in very low germination.

Tips for cultivation

- Warm temperatures and long day conditions induce flowering.
- Plug finish time is 5-6 weeks. During this time, optimal growing temperatures are 15-25°C/60-78°F.
- 2-3 weeks after transplanting the flowering stems will start to elongate.
- Short day conditions will induce rosetting. When plants have fewer than 5 true leaves, temperatures below approximately 15°C/60°F will also induce rosetting.
- Under short day conditions, 4 hours of night interruption will help initiate and develop flowering.

F1 Centurion™ series



Delphinium x cultorum

● 15-18°C/ 59-64°F ● 10-14 days ● 300-420 sd/g

- Gorgeous flower spikes and elegant colors make an impressive accent in large flower arrangements
- Suitability both for garden and professional cut flower cultivation make it a welcome addition to the assortment



Lavender
FDLA11



Rose
FDLA15



Sky Blue
FDLA16



White
FDLA17

F1 Carousel™



Dianthus barbatus

● 21-24°C/ 70-75°F ● 5-6 days ● 800-1,000 sd/g

- The plants have uniform masses of red flowers on sturdy stems and a free-flowering habit
- For best quality cut flower production, pinching is necessary at the 12th leaf stage (=pinch at 6th node). Leave only 5 - 6 stems of the side branches, removing all other extra branches
- Plants need temperatures lower than 15°C/ 59°F for soft vernalization



F1 First Love™



50-70 cm
20-28 inches

Dianthus hybrida

■ 21-24°C/ 70-75°F
 ■ 5-6 days
 ■ 900-1,400 sd/g

- First Love produces serrate-edged flowers changing from white to pink as the individual flowers age
- Excellent continuous flowering habit until a hard freeze
- Thin but very sturdy spray-type stems are good performers as a cut flower as well as garden plant



FND511



Dianthus

Echinacea

Bravado™



100-120 cm
39-47 inches

Echinacea purpurea

■ 18-20°C/ 64-68°F
 ■ 7-10 days
 ■ 280-300 sd/g

- It is a first year flowering, hardy perennial plant
- It normally blooms from summer to early autumn
- A particularly attractive garden plant, which attracts a lot of butterflies. It can be also used for cut flowers



FSZA66



It can be marketed as ornamental discs when petals are removed

Purple Sheen™



60-120 cm
22-47 inches

Eryngium leavenworthii

■ 20-25°C/ 68-77°F
 ■ 12-20 days
 ■ 600-1,000 sd/g

- Vibrant purple-crimson flowers on sturdy stems with soft bracts can be great as a vase filler
- 6-7 months from sowing to flower
- The plants prefer sunny and dry conditions



FSZA44



Eryngium

Audray™ series



80-100 cm
32-39 inches

Gomphrena globosa

● 22-25°C/ 72-77°F ● 10-12 days ● 300-500 sd/g

- Audray can be used both for fresh and dried arrangements
- It is also an excellent tall garden plant that withstands hot and humid conditions



Bicolor Rose
FSE165



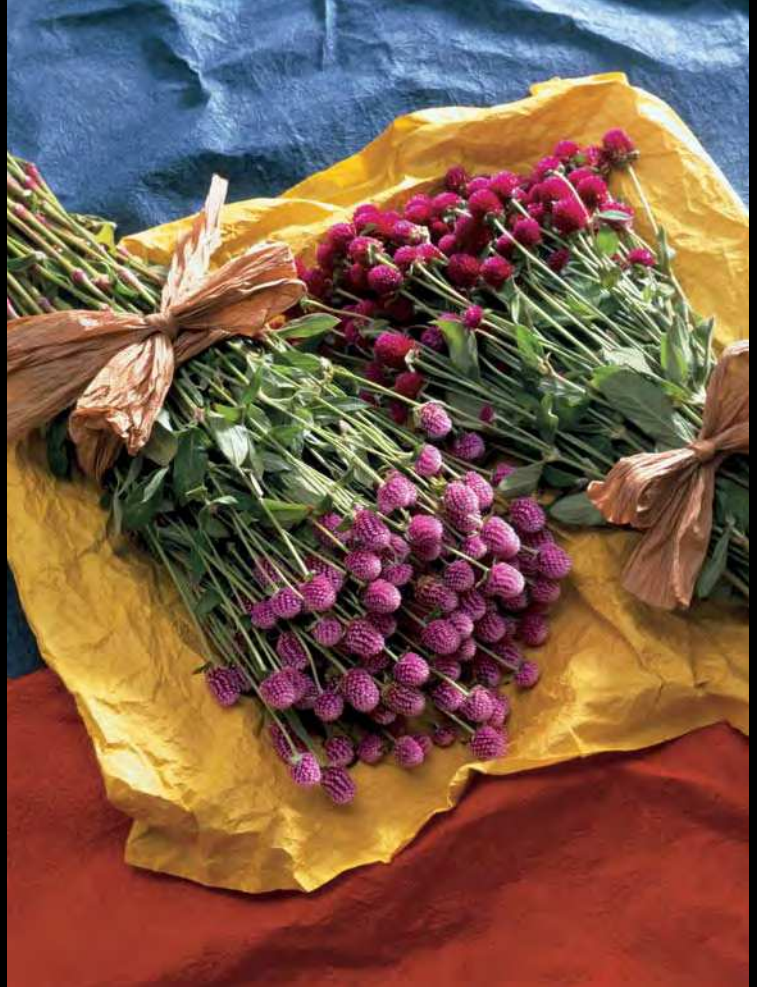
Pink
FSE168



Purple Red
FSE167



White
FSE173



Creative opportunities abound with Audray

Hairy Balls™



120 cm
47 inches

Gomphocarpus physocarpus

● 20-30°C/ 68-86°F ● 7-10 days ● 200 sd/g

- The unusual fruit is light green, round with soft spines and are selected for cut flower decorations and conservatory plants
- It also can be an attractive unique item for mixed bouquets
- 12 hours day length is required for flower



FSZE22

F1 Sunrich[®] Orange DMR

 90-150 cm
 35-59 inches

Helianthus annuus

■ 20-25°C/ 68-77°F
 ■ 3-4 days
 ■ 15-26 sd/g

2015
NEW

55-70 day type

- The world's first downy mildew highly-resistant variety for ornamental Helianthus
- With the introduction of F1 Sunrich Orange DMR, Helianthus production will be drastically changed. Growers have less to worry about when it comes to problems with downy mildew. This DMR breakthrough's added-value provides substantial benefits with high yield results and the reduction of chemical use
- Resistant to multiple strains of downy mildew (plasmopara halstedii)
- Plant height, growing speed as well as flower shape and color are similar to F1 Sunrich Orange. F1 Sunrich Orange DMR flowers in 55-70 days after sowing, depending on conditions



Helianthus (Sunflower)

<Disclaimer>

- *1. F1 Sunrich Orange DMR highly restricts the growth and development of the above stated pathogen and the damage they cause under normal pathogen pressure when compared to susceptible varieties. It may, however, exhibit some disease symptoms or damage under heavy pathogen pressure.
- *2. New and / or atypical strains of the specified pathogen may overcome the resistance, sometimes completely.



FHM457



SUNRICH

What is Downy Mildew (*Plasmopara halstedii*)?



Plasmopara halstedii is one of the major plant pathogens that infect *Helianthus*. The symptom shows as light yellowish-green spots on the upper side of leaves alongside main veins. It eventually grows and spreads to become a lesion, and on its underside light gray mold grows. Severely infected plants will not have ornamental value. The stems will not reach enough height and will not be good quality cut flowers.



F1 Sunrich[®] series



90-150 cm
35-59 inches

Helianthus annuus

● 20-25°C/ 68-77°F ● 3-4 days ● 15-26 sd/g

55-70 day type

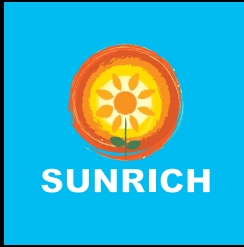
- The Sunrich series has superb quality and is maintaining its leading status in the *Helianthus* market
- Flowers of the Sunrich series are pollenless, long-lasting, densely petaled and upright facing on strong stems
- The series flowers in 55-70 days after sowing depending on growing conditions

50-65 day type

- Limoncello Summer presents a stable bicolor of vibrant yellow transitioning to a light, creamy yellow at the tips. This uniqueness brings a great accent to the *Helianthus* market
- F1 Sunrich Orange Summer and Lemon Summer flower 5 to 10 days earlier than F1 Sunrich Orange and Lemon, but the flower shapes and colors are identical to Sunrich Orange and Lemon, respectively
- Suitable for spring to summer cultivation with sowing and growing under long-day conditions

Limoncello has petals with deeper yellow to the center by gradation giving a three-dimensional effect.





55-70 day type



Gold
FHM515



Lemon
FHM511



Lime
FHM521



Orange
FHM512

50-65 day type



Lemon Summer
FHM501



Limoncello Summer
FHM456



Orange Summer
FHM520

**Takii's Helianthus
Characteristics of the cut varieties**

Variety	Petal	Disk	Days to bloom	Remark
F1 Sunrich Orange DMR (NEW)	Orange	Black	55-70 days	Downy mildew highly-resistant
F1 Sunrich Orange	Orange	Black		The quality standard in the market
F1 Sunrich Lemon	Yellow	Black		
F1 Sunrich Gold	Orange	Green		
F1 Sunrich Lime (NEW)	Yellow	Green		
F1 Sunrich Orange Summer	Orange	Black	50-65 days	
F1 Sunrich Lemon Summer	Yellow	Black		
F1 Sunrich Limoncello Summer	Lemon with yellow base	Black		
F1 Premier Orange	Orange	Black	45-55 days	Extra-early varieties
F1 Premier Lemon	Yellow	Black		
F1 Premier Light Yellow	Light Yellow	Black		
F1 Tiffany	Orange	Black	60-80 days	Round orange flowers with dark disks
F1 Full Sun Improved	Dark Yellow	Black	55-100 days	Sufficient stem length even under short day conditions

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

F1 Premier™ series



70-80 cm
28-31 inches

Helianthus annuus

● 20-25°C/ 68-77°F ● 3-4 days ● 20-50 sd/g

45-55 day type

- Premier series is a non-branching F1 hybrid pollenless *Helianthus*
- Premier is extra-early offering a very short crop time of approximately 45-55 days from sowing with excellent uniformity
- Sowing is recommended under long day conditions for early summer harvest to secure enough stem length



Lemon
FHM517



Light Yellow
FHM513



Orange
FHM455

F1 Full Sun Improved™



Helianthus annuus

● 20-25°C / 68-77°F
 ● 4-6 days
 ● 16-20 sd/g

55-100 day type

- It can have sufficient stem length even under short-day conditions in the temperate climate area
- It is preferable to have 18°C / 65°F at the lowest temperature for growth
- Depending on conditions such as low temperatures, the culture time can be even longer than the stated 55-100 days in the table in page 93



FHMA13

Helianthus (Sunflower)

F1 Tiffany™



Helianthus annuus

● 20-25°C / 68-77°F
 ● 4-6 days
 ● 18-20 sd/g

60-80 day type

- Professional quality
- Round orange flowers with dark discs



FHMA14

Limonium (Statice)

Pastel Shades™



Limonium sinuatum

● 15-20°C / 59-68°F
 ● 10-15 days
 ● 350-450 sd/g

- Pastel Shades is an early-flowering variety of Limonium (Statice)
- Long-lasting as a fresh cut flower, Pastel Shades is also excellent when used dried in arrangements



FSU260

F1 Arena™ series



80-100 cm
31-60 inches

Flower Earliness

Flower Size

I~IV*

Large

*See the below grouping

Eustoma grandiflorum

Light required ■ 15-20°C/ 59-68°F ■ 20-25 days ■ 650-850 pel/g

- Introducing new colors every year, the Arena series now totals 16 varieties, giving more choices for growers, florists and consumers
- Selected for its high quality and fully double flowers on strong and sturdy stems
- Thick petals help transportability and large buds on the top increase the attractive character of the stems
- Arena III Pink may have less doubleness under high temperature conditions during flower bud formation stage

*Taki's Lisianthus is classified into four groups according to earliness of flowering.

Group
I : Early
II : Middle
III : Mid-Late
IV : Late



I Light Pink
FRS890



II Apricot
FRS747



II Kilimanjaro
FRS784



II Light Pink
FRS748



II White
FRS781



III Apricot
FRS724



III Baby Pink
FRS674



III Blue Picotee
FRS723



III Champagne
FRS708



III Gold
FRS732



III Greer
FRS728



III Pink
FRS702





Arena series arrangement with Japanese atmosphere



III Pink Flash
FRS725



III Red
FRS741



IV Rose
FRS705



IV White
FRS731

Variety Comparison among Arena

Variety name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
	cm	inch				
F1 Arena I Light Pink (NEW)	7.5	3.0	Good	Middle	Normal	Early, abundant flower
F1 Arena II Apricot	8.0	3.2	Good	Tall	Normal	Easy to gain stem length
F1 Arena II Kilimanjaro	8.0	3.2	Excellent	Middle	Very Hard	Abundant flower under strong sunlight
F1 Arena II Light Pink	7.5	3.0	Good	Middle	Hard	Medium-size flowers with the color like cherry blossoms
F1 Arena II White	8.0	3.2	Good	Middle	Very Hard	Excellent flower shape, Strong stem
F1 Arena III Apricot	8.0	3.2	Good	Middle	Hard	Unique color of flower
F1 Arena III Baby Pink	8.0	3.2	Good	Middle	Hard	Wavy, thick petals with good transportability
F1 Arena III Blue Picotee	7.5	3.0	Good	Tall	Hard	Thick petal and top flowering type
F1 Arena III Champagne	8.0	3.2	Good	Middle	Hard	Large flowers with many petals
F1 Arena III Gold	8.0	3.2	Good	Tall	Very Hard	High performance with its yellow gold flower
F1 Arena III Green	7.5	3.0	Excellent	Middle	Hard	Nice thick flower petal, good sturdy stem
F1 Arena III Pink	8.0	3.2	Good	Middle	Hard	Bright pink under fluorescent light
F1 Arena III Pink Flash	8.0	3.2	Good	Middle	Very Hard	Sturdy stem with high quality flower
F1 Arena III Red	6.0	2.4	Good	Tall	Hard	Vivid red, Unusual color for Lisianthus
F1 Arena IV Rose	7.0	2.8	Good	Very Tall	Very Hard	Suitable for season when it gets difficult to secure enough stem length
F1 Arena IV White	8.0	3.2	Good	Very Tall	Very Hard	Long stems suitable for cultivation under high temperatures and strong light intensity

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

L F1 Corelli™ series



20-100 cm
61-39 inches

Flower Earliness	Flower Size
II~III*	Large

*See page 96

Eustoma grandiflorum

Light required ● 15-20°C/ 59-68°F ● 20-25 days ● 650-850 pel/g

- 2015 newly released series, available in 6 colors
- Corelli has excellent large, double flowers with elegant fringed, curly petals
- Along with large flower buds it has an elegant yet playful appearance, and can create a classical ambience
- Top branching, superb for bouquet usage
- Excellent vase life

Subtle colors bring out the beauty in bouquet arrangement with III Light Pink.

Lisianthus (Eustoma)



II White
FRS870



III Apricot
FRS766



III Blue
FRS767



III Light Pink
FRS764



III Rose
FRS762



III Yellow
FRS763

Variety Comparison among Corelli

Variety name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
	cm	inch				
F1 Corelli II White (NEW)	8.5	3.4	Good	Middle	Normal	Early, large size flower
F1 Corelli III Apricot (NEW)	8.5	3.4	Good	Middle	Hard	Highest number of petal and stable doubleness within Corelli series
F1 Corelli III Blue (NEW)	8.5	3.4	Good	Middle	Normal	Easy to get single flower under high temp.
F1 Corelli III Light Pink (NEW)	8.5	3.4	Good	Very Tall	Normal	Fringe is less compared to other colors in this series
F1 Corelli III Rose (NEW)	8.0	3.2	Good	Tall	Very Hard	Thick petal with good transportability
F1 Corelli III Yellow (NEW)	8.5	3.4	Good	Middle	Normal	Strong fringed flower, good vase life

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

F1 Falda™ series   80-100 cm 61-69 inches

Flower Earliness	Flower Size
II*	Middle

*See page 96

Eustoma grandiflorum

Light required  15-20°C / 59-68°F  20-25 days  650-850 pel/g

- Gorgeous with its fringed single petals
- Abundant flowers on each stem
- Uniqueness attracts florists, driving new ideas for bouquet arrangements
- Fringed flower makes voluminous bouquet, especially when many flowers are used in one vase
- Thick flower petals and sturdy stems make for good transportability



II Light Apricot
FRS673



II Salmon
FRS672



II Yellow
FRS671

Variety Comparison among Falda

Variety name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
	cm	inch				
F1 Falda II Light Apricot	5.0	2.0	Good	Middle	Hard	Nice color, Gorgeous in bouquet
F1 Falda II Salmon	5.0	2.0	Good	Middle	Hard	Unique color, Thick petal
F1 Falda II Yellow	5.0	2.0	Good	Short	Hard	Thick petal, Lemon yellow flower

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

F1 Croma™ series



80-100 cm
61-69 inches

Flower Earliness	Flower Size
I~IV*	Middle

*See page 96

Eustoma grandiflorum

Light required ● 15-20°C/ 59-68°F ● 20-25 days ● 650-850 pel/g

- Croma has excellent rose-like flowers
- Croma's thick, strong petals and extra-double flowers set it apart as a premium variety. Due to the strength of the flowers and stems, it is well suited for cold chain shipping.
- Croma is attractive to florists with its versatility in arrangements along with its high consumer appeal
- IV Lavender Imp is later flowering and with higher plant height than IV Lavender



CROMA

Croma III White





I Green
FRS788



III Yellow
FRS801



II Snow
FRS787



IV Lavender
FRS746



III Blue Picotee
FRS802



IV Lavender Imp
FRS745



III White
FSR785



Variety Comparison among Croma

	Variety name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
		cm	inch				
Double Flowered	F1 Croma I Green	6.0	2.4	Good	Short	Normal	Good doubleness and thick petal
	F1 Croma II Snow	6.0	2.4	Good	Tall	Hard	Early flowering type compare to Croma III White
	F1 Croma III White	7.0	2.8	Good	Middle	Hard	Rosy flower, Excellent performance, Nice shape flower with good doubleness
	F1 Croma III Blue Picotee (NEW)	6.5	2.6	Excellent	Middle	Very Hard	Stable Picotee, high doubleness, top flowering
	F1 Croma III Yellow (NEW)	6.5	2.6	Good	Tall	Hard	High doubleness
	F1 Croma IV Lavender	6.0	2.4	Excellent	Short	Very Hard	Late variety, Very hard stem
	F1 Croma IV Lavender Imp (IMP)	7.0	2.8	Excellent	Middle	Very Hard	Taller, larger flower than Croma IV Lavender

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.

Lisianthus (Eustoma) F1 Super Magic™ series



70-80 cm
28-35 inches

Flower Earliness	Flower Size
Mid-early	Large

Eustoma grandiflorum

Light required ● 15-18°C/ 59-64°F ● 20-25 days ● 700-1,200 pel/g

- Super Magic is a double flowered mid-early series
- Top flowering habit with large sized flowers
- The wide color assortment, including spectacular colors of Apricot and Champagne, provides a complete range for professional growers
- Deep Blue may have less doubleness under high temperature conditions during flower bud formation stage



Apricot
FRSG71



Capri Blue Picotee
FRSH51



Champagne
FRSG53



Deep Blue
FRSG72



Green
FRSG73



Light Green
FRSG55



Lilac
FRSG56



Pink
FRS811



Pure White
FRSG63



Rose
FRSG59



White
FRSG79



Yellow
FRSG62

Takii's Lisianthus flowering earliness

Arena, Croma, Falda and Vulcan series are classified into four groups; I, II, III, IV, according to earliness of flowering.

I	II	III	IV
Early-Middle	Middle	Middle-Late	Late
Arena I	Arena II	Arena III	Arena IV
Croma I	Croma II	Croma III	Croma IV
	Corelli II	Corelli III	
	Super Magic	Advantage	
	Vulcan II		
	Falda II		

F1 Vulcan™ series



Flower Earliness	Flower Size
II*	Middle

* See page 96

Eustoma grandiflorum

Light required ● 15-20°C/ 59-68°F ● 20-25 days ● 650-850 pel/g

- Selected for its high quality, large cup-shaped flowers on strong and sturdy stems
- The thick flower petals of Vulcan increase its transportability
- Vulcan II Blue Picotee presents a more uniform blue rim when compared to other blue picotee Lisianthus
- Vulcan II White is improved for top flowering habit



Variety Comparison among Vulcan

	Variety name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
		cm	inch				
Single Flowered	F1 Vulcan II Blue Picotee (IMP)	4.5	1.8	Excellent	Middle	Very Hard	Thick petal, top flowering
	F1 Vulcan II Champagne	4.0	1.6	Excellent	Tall	Hard	Unique color, Thick petal
	F1 Vulcan II Deep Violet	4.5	1.8	Good	Middle	Hard	Deep violet color, Curly flower shape
	F1 Vulcan II Pink Picotee	5.0	2.0	Good	Tall	Very Hard	Stable picotee color, Thick petal
	F1 Vulcan II White	4.0	1.6	Good	Middle	Very Hard	Thick petal, Strong stem

The above data is based on trials completed in Japan. Actual results are dependent upon environmental conditions and local practices that may affect variety characteristics and performance.



II Blue Picotee
FRS664



II Champagne
FRS706



II Deep Violet
FRS661



II Pink Picotee
FRS652



II White
FRS660

F1 Advantage™ series



Flower Earliness	Flower Size
Middle	Middle

Eustoma grandiflorum

Light required ● 15-18°C/ 59-64°F ● 20-25 days ● 700-1,200 pel/g

- Middle-late flowering, fully double large flower
- Thicker and stronger stems are more suitable for production under high temperature and long day conditions



Cherry Sorbet
FRSG41



Green
FRSG42



Pink
FRSG46



Purple
FRSG43



Yellow
FRSG44

High double type

- Average of 90% double-flowering type

Canneto White™



80-90 cm
31-35 inches

Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 480-600 sd/g

- Early flowering
- Approximately 7 to 10 days later than Noble series
- Dense flower spike with sturdy stem
- Hairy-leaved type



FST336



Regal White™



90-110 cm
35-43 inches

Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 450-570 sd/g

- Sturdy and uniform plants
- Large, white flowers form full columns on sturdy stems
- Hairy-leaved type



FST321



Noble™ series



Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 400-600 sd/g

- Extra-early flowering
- The full doubleness of Noble is breathtaking
- Closely arranged florets make a massive display on a sturdy stem
- Uniform growth makes Noble the grower's choice
- Hairy-leaved type



Noble Cream Yellow in an arrangement



Cream Yellow
FST318



White
FST320

Snow Wonder™



Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 450-550 sd/g

- Extra-early flowering
- Uniform plants produce an abundance of pure white blooms
- Hairy-leaved type



FST322

White Wonder™



Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 450-600 sd/g

- Extra-early flowering
- This bright-green leaved variety produces well formed spikes
- It is improved for stem strength and better flower shape



FST181

Selectable type

- Seedlings are selectable for doubleness

Glory™ series



80-95 cm
31-37 inches

Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 500-700 sd/g

- Glory series is an improvement over the Xmas series
- Uniform blooms are produced on straight and sturdy stems
- Doubles can be identified by cotyledon color (See page 49)



Blue
FST257



Cherry
FST252



Lavender
FST255



Light Purple
FST258



Pink
FST256



Rose
FST253



White
FST193

Xmas™ series



90-100 cm
35-39 inches

Matthiola incana

Dark required ■ 18-21°C/ 64-70°F ■ 4-5 days ■ 500-800 sd/g

- The non-branching gray-green leaved series produces a mass of blooms
- Xmas can be grown both in unheated glasshouses as well as outdoor field production
- Doubles can be identified by cotyledon color (See page 49)



Apricot
FST328



Blue
FST131



Ocean
FST139



Pink
FST135



Rouge
FST324



Ruby
FST134



White
FST133

Virgo™

60 cm
24 inches

Tanacetum parthenium

Light required ■ 15-20°C/ 59-68°F ■ 3-5 days ■ 6,500-7,000 sd/g

- Straight and stiff stem
- Excellent filler for mixed bouquets
- Virgo can be grown year round under 13-15°C/ 55-60°F with long-day conditions



FMTA22



T anacetum (Matricaria)

F1 Sun™ series

60-80 cm
24-32 inches

Zinnia elegans

■ 20-22°C/ 68-72°F ■ 5-6 days ■ 100-150 sd/g

- This series produces masses of large, fully double flowers
- Sun series blooms 60-70 days after sowing



Cherry
FZN642



Gold
FZN641



Red
FZN651



Sunshine Mix
FZN652



Z innia

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