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TAKII SEED

Creating Tomorrow Today

FLOWER CATALOGUE

2020-2022



TAKII SEED

Creating Tomorrow Today

TAKII'S WORLD NETWORK



Takii Europe B.V.

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MIDDLE EAST

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Qingdao Huang Long
Seeds Co., Ltd

T.W.Company Ltd.

NORTH AMERICA

UNITED STATES OF AMERICA
Salinas



American Takii, Inc.



Head Office



Takii Korea Co., Ltd.

SOUTH AMERICA

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Sao Paulo



Takii do Brasil Ltda.

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'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

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



Salvia, Summer Jewel Red

2011-2012



Salvia, Summer Jewel Pink

2012



Alcea, Spring Celebrities Crimson

2013



Canna, F1 South Pacific Scarlet

2015



Salvia, Summer Jewel White

2016



Salvia, Summer Jewel Lavender

2017



Petunia, F1 Evening Scentsation

2018



Capsicum, Onyx Red



Begonia, F1 Fiona Red



Canna, F1 South Pacific Orange

2019



Zinnia, F1 Preciosa Orange

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Capsicum, Salsa series (except for Mixture)
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Linaria, Fantasy Autumn Mix
Lisianthus, F1 Marina
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Begonia



F1 Fiona White



F1 Fiona Pink



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Viola



F1 Floral Power White



F1 Floral Power Indian Sunset



F1 Floral Power Yellow Red Wing

Petunia

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F1 Opera Supreme Purple Vein



F1 Trilogy Lime



F1 Trilogy Purple Vein

Helianthus

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Zinnia

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NEW FLOWERS LINE UP



Lisianthus

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F1 Arena I Light Pink Imp.



F1 Arena I Purple



F1 Arena I Pure White



F1 Arena I White



F1 Corelli II Lavender



F1 Corelli II Light Lavender



F1 Croma II Champagne



F1 Arena III Clear Pink



F1 Croma III Pink Picotee Imp.



F1 Croma III Blue Picotee Imp.



F1 Jolly III Pink

Brassica

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F1 Crane Carmine



Helianthus

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F1 Marley



F1 Ziggy



F1 Sunrich Orange Summer DMR





Pot and Bedding

Germination Temperature

Days to Emergence

Seed Count (Seed / Gr.)

Plant Height

F2 Flowerburst™ Red Shades

Achillea millefolium

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



60-75 cm
24-30 inches

- 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



60-75 cm
24-30 inches

- 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

Agastache aurantiaca

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



- 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 rosea

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



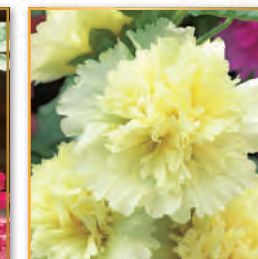
Apricot
FHAA07



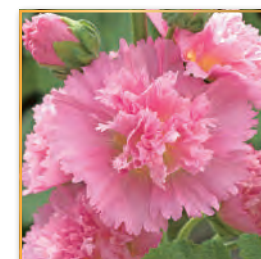
Carmine Rose
FHAA02



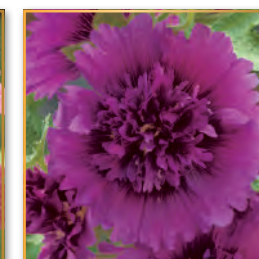
Crimson
FHAA09



Lemon
FHAA03



Pink
FHAA08



Purple
FHAA05



White
FHAA06



Formula Mixture
FHAA00

Actual colour ratios may vary from image



F1 Palette™ series

Antirrhinum majus

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



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



Palette will paint your garden with vibrant colours



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 Fiona™ series

Begonia semperflorens

Light required ● 22-24°C/ 72-75°F ● 15-20 days ● 750-1,000 pel/g



- White and Pink are newly added to our semi-double type Begonia semperflorens with excellent uniformity
- Early flowering habit is same as standard single varieties. Plant habits are also comparable to them
- Fiona Red is awarded 2018 Fleuroselect Gold Medal



Pink
FKG204



Red
FKG202



Rose
FKG201



White
FKG203



Fiona



Fringed leaved type

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

F1 Kamome™ series

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



F1 Glamour™ Red

Brassica oleracea

20-25°C/ 68-77°F 4-6 days 260-290 sd/g



- First F1 shiny leave dwarf type brassica introduced in the world
- Grown for its unique shiny leaves which create a dramatic colour contrast



FHB751



Round leaved type

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

F1 Pigeon™ series

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

F1 Song Bird™ series

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 colours that bring out the beauty in winter gardens and mixed containers



Pink
FHB533



Red
FHB531



White
FHB532



Feather leaved type

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

F1 Coral™ series

Brassica oleracea

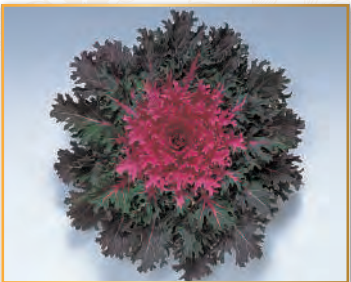
20-25°C/ 68-77°F 4-5 days 230-370 sd/g



- 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

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 colour 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
Song Bird Red	D
Song Bird White	D
Song Bird Pink	D
Kamome Pink	C
Kamome Red	C
Kamome White	C
Pigeon Purple	C
Pigeon Red	C
Pigeon Victoria	C
Pigeon White	C
Coral Prince	B
Coral Queen	B
Peacock Red	A
Peacock White	A
Glamour Red	C

Larger
↑
Smaller

A
B
C
D

Zen™ series

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

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 survives at least to -10°C/ 14°F
- Makes excellent garden perennial as well as a beautiful pot crop



Blue
FTU521



White
FTU522

Vernalisation Tips for Takion

- * After plants attain mature vegetative growth, they require vernalisation
- * The plants require about one month of temperatures below 8°C/46°F
They endure light frost
- * After vernalisation, 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



Tropical™ series

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



It is possible to have a water garden with canna Tropical



Bronze Scarlet
FCA211



Red
FCA121



Rose
FCA122



Salmon
FCA124



White
FCA127



Yellow
FCA126

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



F1 South Pacific™ series

Canna generalis

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



- The first F1 Canna series from seed
- Better uniformity at its early stage of germination compared with our existing variety, Tropical series
- Good basal branching
- Scarlet and Orange earned AAS awards
- Being from seed, the South Pacific series is not prone to diseases often transmitted in rhizome propagation
- The vibrant colours 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



Ivory
FCA403



Orange
FCA404



Rose
FCA402



Scarlet
FCA401



F1 Cannova series

Canna generalis

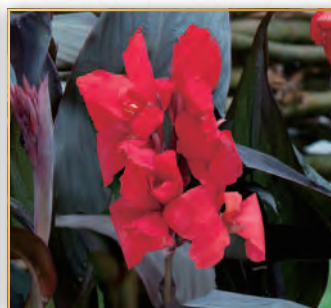
20-30°C/ 68-86°F 10-15 days 4-5 sd/g



- Cannova can be grown at lower temperature
- High degree of uniformity and high percentage of saleable plants
- Early flowering, can also be grown in smaller pot size
- Good branching habit and excellent leaf quality
- An attractive and broad range of bright colours on green or bronze leaved plants



Bronze Orange
FCAA33



Bronze Scarlet
FCAA35



Lemon
FCAA15



Mango
FCAA10



Orange Shades
FCAA17



Red Shades
FCAA23



Rose
FCAA05



Yellow
FCAA02



Onyx™ Red

Capsicum annuum

20-22°C/ 68-72°F 5-7 days 450-500 sd/g



- 2017 AAS award winner
- An unprecedented compact, black-leaved capsicum
- Compact, well-branched plant habit with eye catching dark black foliage
- Ball-shaped fruit matures from black to red



FTG161



Onyx™ Red

Onyx Red's young fruit is glossy black. The combination of black fruit and black foliage makes a very stylish impression.

Conga™

Capsicum annuum

20-22°C/ 68-72°F 5-7 days 280-300 sd/g



- Dark Purple foliage with fruit that matures from purple to deep orange
- A stand-alone variety with a plant habit between Mambo and Salsa series



FTGH11

Cubana™ series

Capsicum annuum

20-22°C/ 68-72°F 5-7 days 150-210 sd/g



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



Multicolor Orange
FTGG96



Multicolor Red
FTGG97



Mixture
FTGG90



Takii's Capsicum Variety Comparison among Series

Series / Variety	Shape	fruit size (cm)	fruit size (inch)	Beginning colour of fruits	plant size
Onyx Red		1 x 1	0.4 x 0.4	Black	A
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 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

Larger
↑
Smaller

A
B
C
D

Favorit™ mixture

Capsicum annuum

20-22°C/ 68-72°F
5-7 days
200-250 sd/g



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



FTGG10

Salsa™ mixture

Capsicum annuum

20-22°C/ 68-72°F
5-7 days
180-260 sd/g



- Pointed, small fruit on compact plants



FTGG40

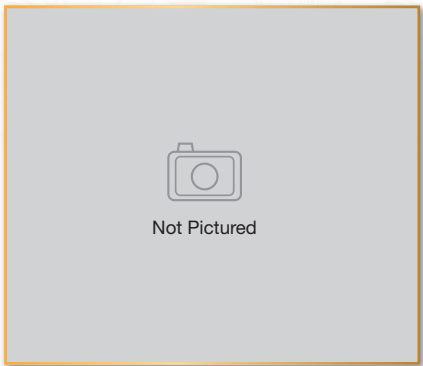
Mambo™ mixture

Capsicum annuum

20-22°C/ 68-72°F
5-7 days
220-250 sd/g



- Longer, round fruit on compact plants with many branches



FTGG70

Uchu™ Cream Red

Capsicum annuum

20-22°C/ 68-72°F
5-7 days
270-370 sd/g



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



FTGG91

Armor™ series

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 colours 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

Castle™ series

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

Giant Exhibition™ series

Coleus blumei

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



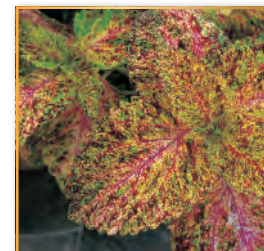
- Extra-large leaves attract attention in the garden, also makes a great house plant
- Approximately 13 weeks from sowing to mature plant
- Remove any flower spikes to enhance the beauty of the foliage



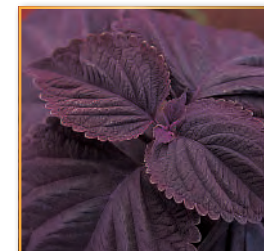
Limelight
FCLA02



Magma
FCLA03



Marble
FCLA04



Palisandra
FCLA06



Rustic Red
FCLA07



Formula Mixture
FCLA00

Actual colour ratios
may vary from image

Snowland™

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

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



Picotee
FND534



Pink
FND536



Carmine Rose
FND564



Purple
FND538



Purple Picotee
FND535



Coral
FND563



Salmon
FND565



Scarlet
FND532



Crimson
FND531



White
FND533



Mix
FND539



F1 Carpet™ series

Dianthus chinensis

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



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



Mix
FSK529



Spring Flash™ series

Dimorphotheca sinuata

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



25-30 cm
10-12 inches



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



Orange
FZZ624



Yellow
FZZ621

Charity™ Mix

Erysimum sp.

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



20-30 cm
8-12 inches

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



Mix
FZZ729



Blue River™

Lavandula angustifolia

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



25-30 cm
10-12 inches

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



FZZG01

F1 Royal Semi-double™ series

Gerbera jamesonii

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



25-35 cm
10-14 inches

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



Deep Rose
FGBG16 (FGB103)



Watermelon
FGB102

F1 Royal™ series

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 colour
- The plants provide continuous flowering through the sales period as well as in the consumer's garden



Apricot
FGBG41 (FGB151)



Deep Orange
FGBG44 (FGB152)



Prince Red
FGBG65 (FGB164)

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



Deep Pink
FGB153



Deep Rose
FGBG64 (FGB163)



Golden Yellow
FGBG46 (FGB154)



Orange Scarlet
FGBG49 (FGB156)



Peach
FGB167



Red
FGBG52 (FGB157)



Red Bicolor
FGBG67 (FGB165)



White
FGB162



Yellow
FGBG56 (FGB161)



Formula Mixture
FGB150



Premium Mixture
FGB160



Red Bicolor exhibits some colour variation with flower petal colour 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.

Big Smile™

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

2019 NEW

F1 Smiley™

Helianthus annuus

20-25°C/ 68-77°F 3-4 days 25-30 sd/g



- F1 hybrid pollenless dwarf Helianthus
- Smiley was named with our hope of spreading happiness and smile with exuberant flowers
- Improvement of Sunny Smile, high uniformity and more branching
- Regarding day length, it flowers all year round in about 55 to 60 days when grown temperatures above 15°C/ 60°F



FHM413

Fantasy™ Spring Mix

Linaria maroccana

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



- Compact habit, wide colour range makes for attractive garden displays
- The crop grows year-round in cool, mild areas
- Will withstand frosts and short duration freezes to -4°C / 26°F without injury



FLN119

Fantasista™ series

Linaria maroccana

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



- All varieties of Fantasista are bred to be extra dwarf, good basal branching and extra early maturity
- Blooms 7-10 days earlier than Fantasy series and is more compact
- 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 colour accents



Blue
FLN133 (raw)
FLN143 (multi pelleted)



Pink
FLN132 (raw)
FLN142 (multi pelleted)



Rose
FLN131 (raw)
FLN141 (multi pelleted)



White
FLN135 (raw)
FLN145 (multi pelleted)



Yellow
FLN134 (raw)
FLN144 (multi pelleted)



Fantasista (left) is more compact and has excellent basal branching compared with Fantasy (right)

Takii's Linaria Variety Comparison among Series

Variety	Earliness of Flower			Plant Height	
	More Extra Early	Extra Early	Early	cm	inch
Fantasista Blue	●			8-12	3-5
Fantasista Pink	●			8-12	3-5
Fantasista Rose	●			8-12	3-5
Fantasista White	●			8-12	3-5
Fantasista Yellow	●			8-12	3-5
Fantasy Spring Mix			●	15-20	6-8

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

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
FRS155
(Formerly FRSG07)



Lilac
FRS152
(Formerly FRSG04)



Rose
FRS154
(Formerly FRSG06)



F1 Rosie™ series

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
FRS171
(Formerly FRSG21)



Pink
FRSG25



Rose Picotee
FRS172
(Formerly FRSG22)



White
FRS173
(Formerly FRSG23)



Lilac
FRSG24

Selectable type

- Seedlings are selectable for doubleness

Harmony™ series

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
- 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
Harmony	47	A pair of cotyledons	Select by colour, size and shape of cotyledon, also by growing speed.
Xmas	104		
Glory	104		
Cinderella	48	Cotyledons and true leaves	Select by colour of leaves. Can be put in cold strage of 8°C/46°F for 2-3 days in cotyledon stage, then colour difference will be more clearly.
Canneto	102	Not needed	Average of 90% double-flowering type
Noble	103		

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.

Selectable type

- Seedlings are selectable for doubleness

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 colours 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 37)



Antique
FSTA01



Appleblossom
FSTA02



Blue
FSTA03



Hot Pink
FSTA05



Lavender
FSTA06



Pink
FSTA07



Purple
FSTA08



Red
FSTA09



White
FSTA12

PVP



Yellow
FSTA13



Vivid Formula Mixture
FSTA00



Jackpot Gold™

Melampodium paludosum

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



- Improvement of Million Gold with larger flowers and round shaped leaves
- Vigorous plant habit and more floriferous than Million Gold
- 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



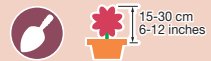
FML125



Lemon Delight™

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 Jackpot 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

Passion™ series

Osteospermum ecklonis

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



- Heavily-branched, compact and bushy variety which does not need pinching
- Passion Mix has been switched to Passion Formula Mix (set percentages of each colour)
- 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 colour bowls and combination planters

Passion Formula Mix is everybody's favorite



Formula Mix
FOM301



Pink Shades
FOM213



Rose
FOM212



White
FOM211

F1 Clean Scarlet™

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 coloured Pansies
- It is excellent for bedding and container use



FPA619

F1 Imperial™ Antique Shades

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 colour ranges



FPA550

F1 Nature™ series

Viola wittrockiana

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



- 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 colour range including many unique colours, 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

Nature™



Antique Shades
FPA737



Beacon
FPA742



Blue and Yellow
FPA735



Frosty Blue
FPA743



Frosty Rose
FPA736



Lemon Yellow
FPA732



Mulberry Shades
FPA740



Ocean
FPA726



Orange
FPA748



Plum Purple
FPA739



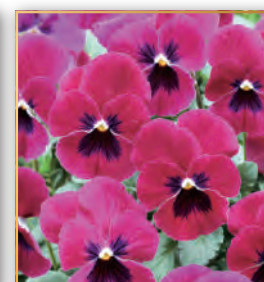
Red with Blotch
FPA731



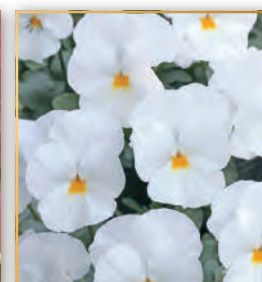
Rose Picotee
FPA747



Rose Pink
FPA738



Rose with Blotch
FPA722



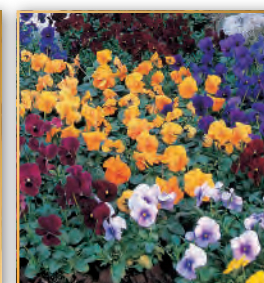
White
FPA724



Yellow
FPA721

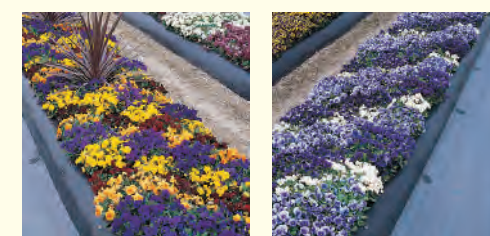


Yellow with Blotch
FPA74



Formula Mixture
FPA729

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



F1 Evening Scentsation™

Petunia hybrida

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



15-25 cm
6-10 inches
80-90 cm
32-35 inches

Trailing type

- Evening Scentsation is the first petunia which earned an AAS regional award for its lovely fragrance and stunning colour
- Evening Scentsation's fragrance has notes of hyacinth, sweet honey and rose
- As its name implies, Evening Scentsation's fragrance is stronger in the evening hours, and can be experienced throughout the day as well

(Scent is perceived differently by each individual)



FPT639



The basic fragrance of Evening Scentsation is derived from phenylacetaldehyde, which has a hyacinth-like scent, 2-phenylethanol, which has a rose-like scent, and methyl benzoate, which has a dry fruit-like scent. The largest release of scent compounds by Evening Scentsation occurs during the switch from light periods to dark periods. The article of characteristic of floral scent compounds in Evening Scentsation was published in The Horticulture Journal. https://www.jstage.jst.go.jp/article/horti/advpub/0/advpub_OKD-090/_article/-char/en



F1 Opera Supreme™ series

Petunia hybrida

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



10-20 cm
4-8 inches
80-100 cm
32-39 inches

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 centre 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 colour segment
- Opera Supreme White may have some pinkish flowered plants depending on climate condition



Blue
FPT629



Lavender
FPT627



Lilac Ice
FPT632



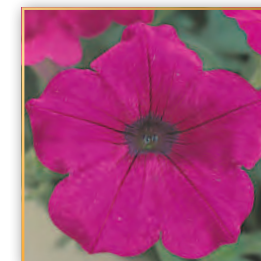
Pink Morn
FPT633



Its excellent spreading habit is suitable for hanging baskets.



F1 Opera Supreme provides season-long colour to city landscapes



Purple
FPT631



Purple Vein
FPT620



Raspberry Ice
FPT638



Red
FPT637



White
FPT626

F1 Trilogy™ series

Petunia hybrida

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



Mounding type

- The plant is a mounding type with a good branching habit, while keeping a 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



Blue
FPT648



Lavender Pink
FPT650



Lime
FPT662



Purple
FPT646



Purple Vein
FPT663



Rose
FPT643



Salmon Morn
FPT647



Scarlet
FPT645



White
FPT641



Takii's Petunia characteristics by series

Series	F1 Trilogy	F1 Evening Scentsation	F1 Opera Supreme
Type	Mounding	Multiflora	
Flower size	6.5-7.5 cm / 2.6-3.0 inches	7 cm / 2.7 inches	6.5-7.5 cm / 2.6-3.0 inches
Plant habit in pot (10 cm/ 4 inches)			
Plant habit in garden			

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.



has advantages for

- Growers :**
No special technique, adapts to your protocol
- Retailers :**
Long shelf life, no more tangling
- Consumers :**
Minimal care, maximum performance all season

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

Summer Jewel™ series

Salvia coccinea

◆ 20-25°C/ 68-77°F ◆ 5-10 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 colours of Summer Jewel series are awarded by All-America Selections



Red
FSR301



White
FSR303



Lavender
FSR304



Pink
FSR302



Hummingbird™ series

Salvia coccinea

20-25°C/ 68-77°F 5-10 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 5-10 days 250-370 sd/g



- Fizz series is early to flower with densely packed flower columns which give each plant a strong show of colour
- 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 colour contrast to the dark foliage gives a better colour show in the landscape



Cream
FSR275



Grape
FSR274



Peach
FSR272



Raspberry
FSR273



Strawberry
FSR271

Sangria™

Salvia splendens

20-25°C/ 68-77°F 5-10 days 250-350 sd/g



- Sangria is a unique bicoloured 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

Early Perfection™ series

Senecio cruentus

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



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



Blue
FSN313



Pink
FSN312



Purple
FSN315



Red
FSN311



Rose
FSN317

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

F1 Floral Power® series

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



Blue Picotee
FBRE07



Cream Yellow Lip
FBRA20



Deep Blue Blotch
FBRA22



Golden Blues
FBRA10



Indian Sunset
FBRE12



Jolly Face
FBRE05



Lavender Blue
FBRA24



Lavender Pink
FBRE03



Orange Red Wing
FBRA05



Persian Pink
FBRE06



F1 Floral Power Blue Picotee



F1 Floral Power Persian Pink



Pink with Lemon Lip
FBRA19



Purple Face
FBRA35



Purple Rose White Face
FBRA07



Red
FBRA31



Rose Wing
FBRA27



White
FBRE14



Yellow Blotch
FBRE04



Yellow Purple Wing
FBRA28



Yellow Red Wing
FBRE13



Yellow Surprise
FBRE00

FLORAL
POWER

F1 Gem™ series

Viola cornuta

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



- The wide and unique colour 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 colour bowls, containers, pots, hanging baskets, and landscapes



Apricot Antique
FBR537



Aztec
FBR573



Beacon
FBR561



Clear Ocean
FBR540



Electric Blue
FBR575



Fire
FBR572



Frosty Blue
FBR567



Heavenly Blue
FBR568



Lavender Antique
FBR538



Lavender Apricot
FBR579



Lilac Antique
FBR562



Orange
FBR535

F1 Gem Fire and F1 Floral Power Golden Blues



Pink Antique
FBR536



Plum Antique
FBR555



Red with Blotch
FBR531



Rose Antique
FBR578



Rose with Blotch
FBR532



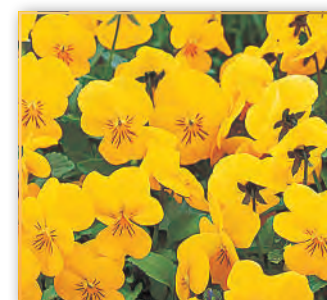
Sapphire
FBR554



Scarlet
FBR569



White
FBR549



Yellow
FBR571



F1 Four Seasons™ series

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 with Yellow
FBRA79



White
FBRA82



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

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

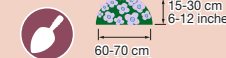


Summer garden looks delightful with Takii's Crystal

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
- 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



F1 Dreamland™ series

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 colour 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



Ivory
FZN626



Pink
FZN623



Red
FZN628



Rose
FZN627



Scarlet
FZN621



Yellow
FZN624



Mix
FZN629



2019
NEW

F1 Preciosa™ series

Zinnia elegans

20-22°C/ 68-72°F 5-6 days 120-150 sd/g



- This new Zinnia series has outstanding vivid color and voluminous flowers with compact habit
- More compact and well-branched plants produce lavish amounts of higher doubleness, muy atractivo!



Light Yellow
FZN552 (raw)
FZN582 (slick coated)



Orange
FZN557 (raw)
FZN587 (slick coated)



Pink
FZN554 (raw)
FZN584 (slick coated)



Red
FZN558 (raw)
FZN588 (slick coated)



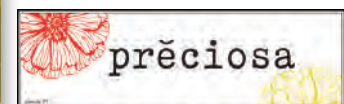
Rose
FZN555 (raw)
FZN585 (slick coated)



Scarlet
FZN553 (raw)
FZN583 (slick coated)



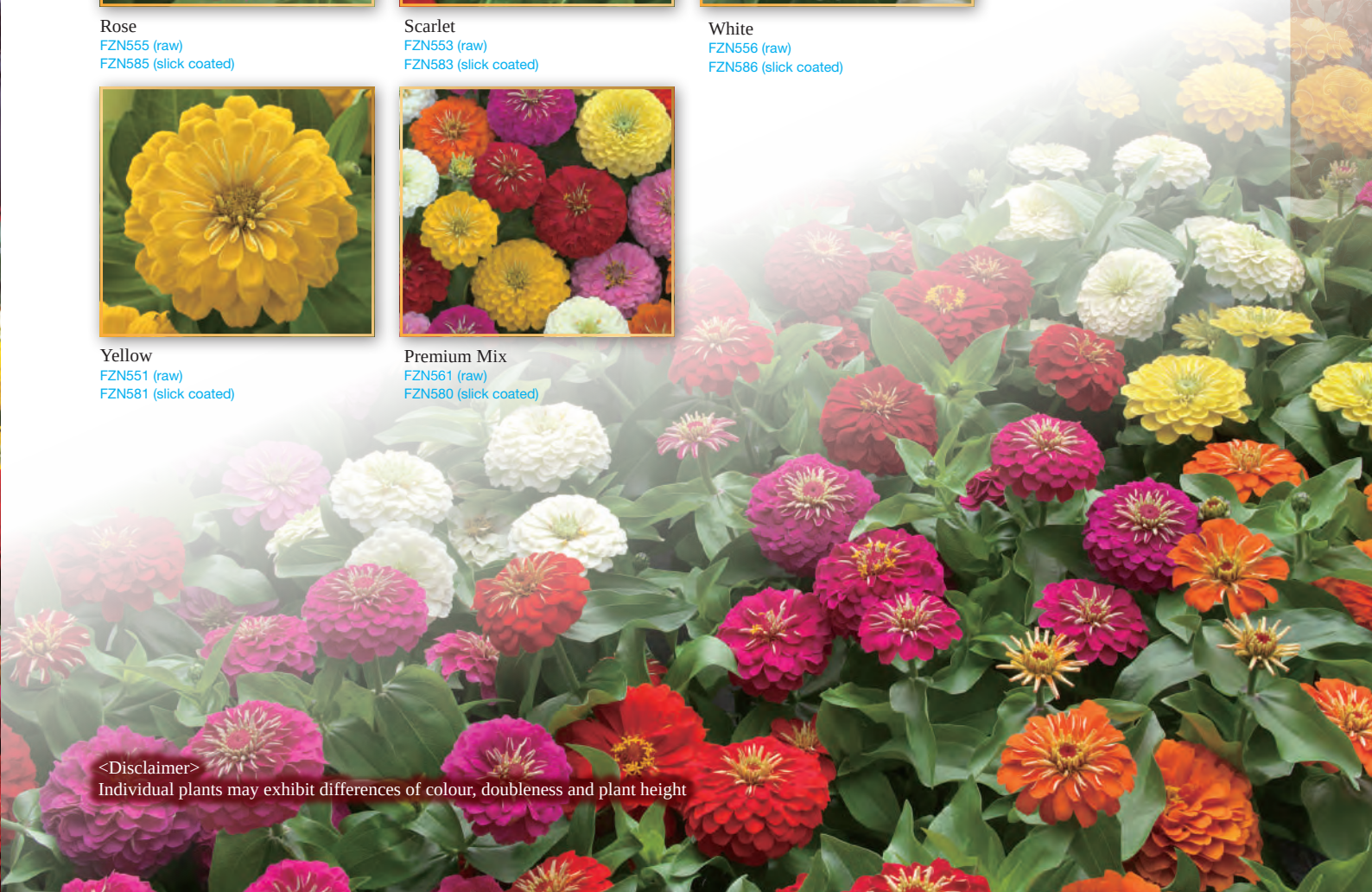
White
FZN556 (raw)
FZN586 (slick coated)



Yellow
FZN551 (raw)
FZN581 (slick coated)



Premium Mix
FZN561 (raw)
FZN580 (slick coated)



<Disclaimer>
Individual plants may exhibit differences of colour, doubleness and plant height

Grasses, Sedges and Rushes

Natural Look collection



Bronze Curls
Carex comans
(New Zealand Hair Sedge)

FGRA03



Spiralis
Juncus effusus
(Corkscrew Rush)

FGRA06



Auburn
Carex flagellifera
(Weeping Brown Sedge)

FGRA04



Frosted Curls
Carex
(New Zealand Hair Sedge)

FGRA02



Elijah Blue
Festuca glauca
(Blue Fescue)

FGRA18



Fibre Optics
Isolepis cernua
(Fiber Optic Grass)

FGRA01



Hedgehog Grass
Juncus

FGRA11

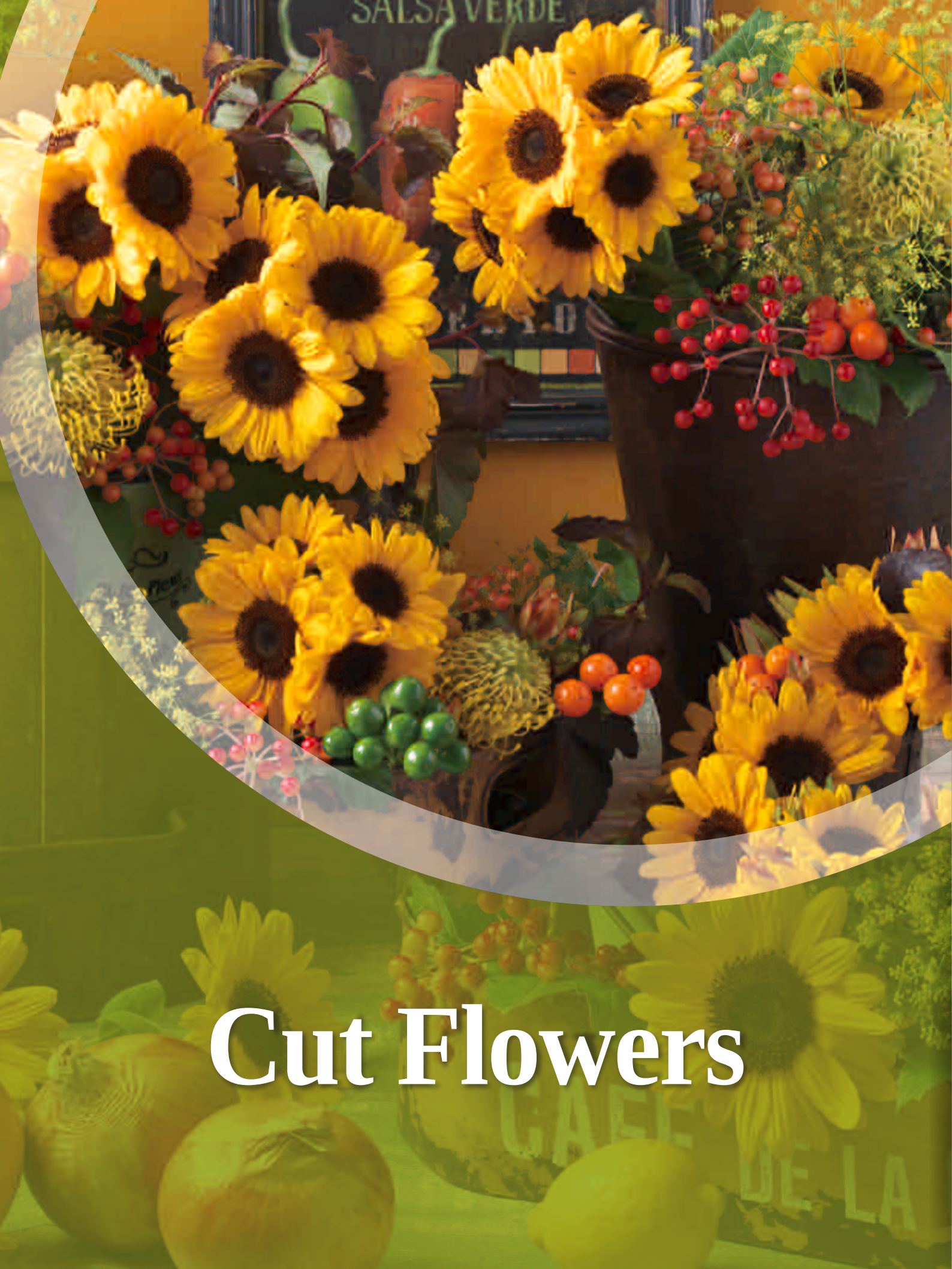


Angel Hair
Stipa tenuissima
(Esparto Grass)

FGRA12

Genus	Species	Variety name	Germ Info	Germination Temperature		Days to Emergence	Seed Count (Seed/Gram)	Type	Plant Height		Remark
				°C	°F				cm	inch	
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	—	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

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	● 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	● Strong twisted leaves on compact upright clumps
Juncus	—	Hedgehog Grass	Light required	20-22	64-72	35-45	7,000-10,000	 	60	24	● Nice architectural evergreen plants
Stipa	tenuissima	Angel Hair	Light required	18-20	59-68	7-10	3,000-4,000	 	70	28	● 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)

Antirrhinum majus

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



100-130 cm
39-51 inches

- Sturdy stems and strong flower petals for good cut flower transportation and vase life
- Dense flower spikes and intense colours make an impressive accent in flower arrangements
- Light Pink is slightly shorter (95 cm / 37 inches) height than other colours (100-130 cm / 39-51 inches)



Light Pink
FKG604



Light Yellow
FKG605



Pink
FKG603



White
FKG602



Yellow
FKG601



F1 Chantilly™ series (Group I)

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

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
Legend	Yellow	B	5.0	2.0
	Light Pink	B	4.0	1.5
	Light Yellow	B	4.0	1.5
	Pink	B	4.0	1.5
	White	B	4.0	1.5
	Yellow	B	4.0	1.5

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

Taller A
B
Shorter 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.



White
FKG591



Yellow
FKG588

F1 Flare™ series

Brassica oleracea

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



- Very early maturity and easy to get tall stem
- Flare Rose and Flare White have very uniform, wavy leaves, upright habit
- Flare White has such a pure white colour that is also well suited for dyeing



Rose
FHB693



White
FHB692



F1 Flare Rose with blue dye. After dyeing, Flare Rose presents a charming vintage look.

A new style arrangement of Flowering Kale with F1 Flare White. By trimming outer green leaves and having only pure white leaves remaining, a flawless and clean effect overturns our typical image of Flowering Kale.



F1 Crane™ series

Brassica oleracea

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



Feather leaved type

- 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 colours 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 Carmine, Pink, Red and White have a very uniform, upright habit and complement each other very well



Feather King
FHB703



Feather Queen
FHB702



Arrange Green
Green feathery leaves are suitable for filler materials in bouquets and flower arrangements.

Unique cut leaves accentuate flower arrangement.

Takii's Brassica Variety Comparison among Cut Flower types

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



Bicolor
FHB701



Carmine
FHB686



Pink
FHB690



Red
FHB684



Rose
FHB685



White
FHB652

Crane Bicolor with Japanese taste

Sunrise™ and Sunset™

Brassica oleracea

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



- The colours of Sunrise (creamy white with pink centre) 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

Brassica oleracea

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



60-90 cm
24-35 inches

- A very unique Brassica which has glossy green leaves
- In comparison to existing Brassica, the waxless glossy leaves of this Brassica show better colour contrast of the centre colouring



Left: F1 Lucir Right: F1 Crane

Lucir has glossy green leaves



The stunning Lucir Rose blended with the ever-popular rose brings beautiful colour, 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

Star™ series

Calendula officinalis

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



50-60 cm
20-24 inches

- 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

Fujimi™ series

Callistephus chinensis

15-20°C/ 59-68°F 6-8 days 450-800 sd/g



90-100 cm
35-39 inches

- Fujimi has three-dimensional shaped double-flowers
- Fujimi has more Fusarium resistance when compared to other varieties, resulting in reduced losses in production
- Spray type (less basal branching) plant habit and smaller leaves is suitable for dense planting



Coral Rose
FAS571



Purple
FAS573



Scarlet
FAS572

Takii's Callistephus Variety Comparison among Series

Type	Series	Variety	Flower Size		Branching	Plant Height (cm)	Stem Strength	Fusarium Resistance	Characteristic
			cm	inch					
Double Flowered	Fujimi	Coral Rose	4-5	1.6-2	Less	90-100	Very Hard	R	Less basal branching (Upper branching)
		Purple	4-5	1.6-2	Less	90-100	Hard	R	Less basal branching (Upper branching)
		Scarlet	4-5	1.6-2	Less	90-100	Very Hard	R	Less basal branching (Upper branching)
Semi-double Flowered	Nina	Pink	4	1.6	Good	70-80	Hard	Non R	Hard stem. Relatively less branching
		Purple	4	1.6	Good	70-80	Hard	R	Hard stem. Good basal branching
		Sarmon Pink	4	1.6	Good	70-80	Normal	Non R	Good basal branching
Single Flowered	Daylight	Blue Frost	2-3	0.8-1.2	Good	70-80	Hard	R	Flower colour changes from white to blue
		Purple	2-3	0.8-1.2	Good	70-80	Hard	R	
		Red	2-3	0.8-1.2	Good	65-70	Very Hard	R	
		Rose Frost	2-3	0.8-1.2	Good	70-80	Hard	R	Flower colour changes from white to rose
		Rose	2-3	0.8-1.2	Good	70-80	Hard	R	
		White	2-3	0.8-1.2	Good	70-80	Hard	R	

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.

<Disclaimer>

*1. Takii's Fusarium resistant Callistephus 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.

Nina™ series

Callistephus chinensis

15-20°C/ 59-68°F 6-8 days 400-700 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



Pink
FAS381



Purple
FAS386



Salmon Pink
FAS385



Daylight™ series

Callistephus chinensis

15-20°C/ 59-68°F 6-8 days 380-700 sd/g



- Vigorous plants produce large numbers of small single flowers
- Blue Frost and Rose Frost change petal colours from white to blue or white to rose as each flower matures which makes an attractive colour gradation on each stem
- All colours of Daylight series have Fusarium resistant



Blue Frost
FAS368



Purple
FAS374



Red
FAS372



Rose Frost
FAS367



Rose
FAS373



White
FAS369



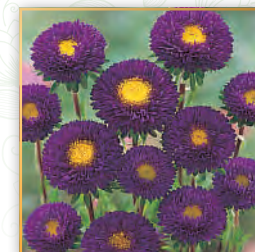
Kurenai™ series

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

Kinko™ and Zanzibar™

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

Celosia cristata

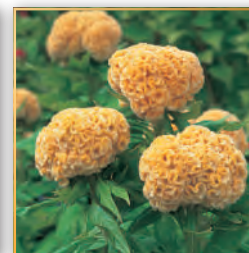
Dark required 20-25°C/ 68-77°F 8-10 days 1,300-1,600 sd/g



- Kurume varieties are crowned with grand combs of vivid colour
- 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



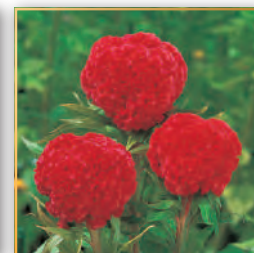
Corona
FKT112



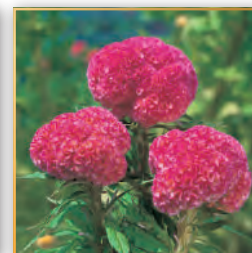
Gold
FKT113



New Scarlet
FKT122



Orange Red
FKT120



Rose
FKT116

F1 Aurora™ series

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		
	cm	inch			
Blue	5.5	2.2	C	Taller ↓ Shorter	A B 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.

Cannes™ series

Consolida spp.

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



80-140 cm
32-55 inches

- 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



Blue Picotee
FTD243



Crystal Pink
FTD245



Deep Blue
FTD241



Lilac
FTD242



Purple Picotee
FTD251



Rose Stripe
FTD252



White
FTD255

F1 Carousel™

Dianthus barbatus

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



50-60 cm
20-24 inches

- 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 vernalisation



FBN532

F1 First Love™

Dianthus hybrida

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



50-70 cm
20-28 inches

- 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



Bravado™

Echinacea purpurea

18-20°C/ 64-68°F

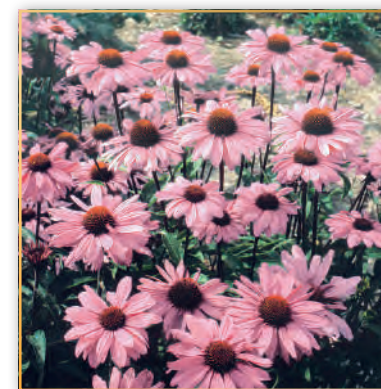
7-10 days

280-300 sd/g



100-120 cm
39-47 inches

- 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™

Eryngium leavenworthii

20-25°C/ 68-77°F

12-20 days

600-1,000 sd/g



80-120 cm
32-47 inches

- 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



Audray™ series

Gomphrena globosa

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



80-100 cm
32-39 inches

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



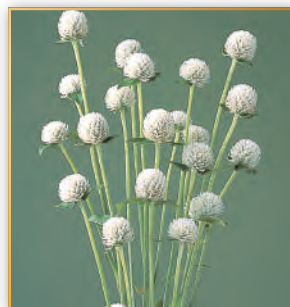
Bicolor Rose
FSE165



Pink
FSE168



Purple Red
FSE167



White
FSE173



Creative opportunities abound with Audray

Hairy Balls™

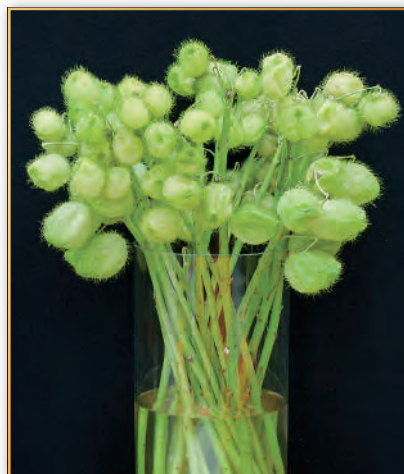
Gomphocarpus physocarpus

20-30°C/ 68-86°F 7-10 days 200 sd/g



120 cm
47 inches

- 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™ series

Helianthus annuus

20-25°C/ 68-77°F 3-4 days 15-26 sd/g



90-150 cm
35-59 inches

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 have strong stems
- The series flowers in 55-70 days after sowing depending on growing conditions
- F1 Sunrich Orange DMR is 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 colour are similar to F1 Sunrich Orange

<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.



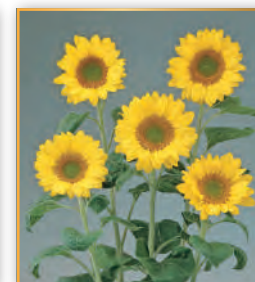
SUNRICH



Gold
FHM515



Lemon
FHM511



Lime
FHM521

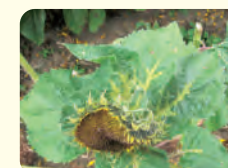


Orange
FHM512



Orange DMR
FHM457

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 Summer™ series

Helianthus annuus

20-25°C/ 68-77°F 3-4 days 15-26 sd/g



50-65 day type

- Orange Summer DMR is newly introduced to our Sunrich Summer series. Plant height, growing speed as well as flower shape and colour are similar to F1 Sunrich Orange Summer
- 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 colours are identical to Sunrich Orange and Lemon, respectively
- Suitable for spring to summer cultivation with sowing and growing under long-day conditions



Lemon Summer
FHM501



Limoncello Summer
FHM456



Orange Summer
FHM520



Provence Summer
FHM459



Orange Summer DMR
FHM462

F1 Premier™ series

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

2020 NEW

F1 Marley™

Helianthus annuus

20-25°C/ 68-77°F 3-4 days 15-28 sd/g



- With unique colour combination of cream and purple, Marley is bound to set a new trend in Helianthus market
- Good plant height
- Genetically some colour variation



FHM461



2020 NEW

F1 Ziggy™

Helianthus annuus

20-25°C/ 68-77°F 3-4 days 15-28 sd/g



- Compared to Marley,
 - colour combination of yellow and brown
 - less side-shooting
 - 3-5 days late flowering
- Under warmer and strong light intensity condition, colour might be deeper
- Genetically some colour variation



FHM464



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



FHMA13

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

Takii's Helianthus Characteristics of the cut varieties

Variety	Petal	Disk	Days to bloom	Remark
F1 Sunrich Orange DMR	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	Yellow	Green	50-65 days	5-10 days earlier than Sunrich Orange
F1 Sunrich Orange Summer	Orange	Black		Downy Mildew highly-resistance.
F1 Sunrich Provence Summer	Deep Orange	Black	50-65 days	5-10 days earlier than Sunrich Orange
F1 Sunrich Lemon Summer	Yellow	Black		
F1 Sunrich Limoncello Summer	Lemon with yellow base	Black	45-55 days	Extra-early varieties
F1 Premier Orange	Orange	Black		
F1 Premier Lemon	Yellow	Black		
F1 Premier Light Yellow	Light Yellow	Black	60-80 days	Round orange flowers with dark disks
F1 Tiffany	Orange	Black		Sufficient stem length even under short day conditions
F1 Full Sun Improved	Dark Yellow	Black	55-100 days	Early flowering under short-day condition.
F1 Marley (NEW)	Cream/Purple bicolour	Black	45-70	Compare to Marley, 3-5 days late flowering.
F1 Ziggy (NEW)	Yellow/Brown bicolour	Black	45-70	

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.

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 Corelli™ series

Eustoma grandiflorum

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



- 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 and excellent vase life



II Delft Blue
FRS768



F1 Corelli II Lavender

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

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



II Lavender
FRS874



II Light Lavender
FRS898



II Light Pink
FRS872



II White
FRS871



III Apricot
FRS766



III Blue
FRS767



III Light Pink
FRS764



III Rose
FRS762

Variety Comparison among Corelli

	Variety Name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
		cm	inch				
Double Flowered with fringed	F1 Corelli II Delft Blue	8	3.2	Good	Medium	Normal	Unique marble colour with blue and white
	F1 Corelli II Lavender (NEW)	8.5	3.4	Good	Short	Hard	Strong stable fringed flower. Deeper Lavender under cooler condition.
	F1 Corelli II Light Lavender (NEW)	8	3.2	Good	Short	Normal	Strongest fringed petal within Corelli series.
	F1 Corelli II Light Pink	8.5	3.4	Good	Medium	Very Hard	Stable flower colour and thick petals
	F1 Corelli II White	8.5	3.4	Good	Medium	Hard	Large flower with stable fringed flower petals
	F1 Corelli III Apricot	8.5	3.4	Good	Medium	Hard	Highest number of petal and stable doubleness within Corelli series
	F1 Corelli III Blue	8.5	3.4	Good	Short	Normal	Easy to get single flower under high temperature
	F1 Corelli III Light Pink	8.5	3.4	Good	Very Tall	Normal	Fringe is less compared to other colours in this series
	F1 Corelli III Rose	8.0	3.2	Good	Tall	Very Hard	Thick petal with good transportability

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 Arena™ series

Eustoma grandiflorum

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

Flower Earliness	Flower Size
I~IV*	Large

* See page 77



80-100 cm
32-39 inches



- Introducing new colours every year, the Arena series now totals 22 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



I Light Pink Imp.
FRS896



I Purple
FRS897



I Pure White
FRS895



I White
FRS894



II Kilimanjaro
FRS784



II Light Pink
FRS748



II Purple Picotee
FRS873



II White
FRS781



III Apricot
FRS724



III Baby Pink
FRS674



III Blue Picotee
FRS723



III Champagne
FRS708



F1 Arena I Light Pink Imp.



III Clear Pink
FRS729



III Gold
FRS732



F1 Arena III Clear Pink



III Green
FRS728



III Hot Pink
FRS727



III Pink
FRS702



III Pink Flash
FRS725



III Purple
FRS892



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				
Double Flowered	F1 Arena I Light Pink Imp. (NEW)	8.0	3.2	Good	Short	Hard	More number of petals and early flowering than Arena I Light Pink
	F1 Arena I Purple (NEW)	8.5	3.4	Good	Medium	Hard	Easy to get long stem and good branching
	F1 Arena I Pure White (NEW)	8	3.2	Good	Short	Hard	High stable doubleness. Very easy to grow.
	F1 Arena I White (NEW)	7.5	3	Good	Tall	Normal	Good flower shape and easy to get long stem.
	F1 Arena II Kilimanjaro	8.0	3.2	Excellent	Medium	Very Hard	Abundant flower under strong sunlight
	F1 Arena II Light Pink	7.5	3.0	Good	Medium	Hard	Medium-size flowers with the colour like cherry blossoms
	F1 Arena II Purple Picotee	8.0	3.2	Good	Short	Normal	Picotee edge is vivid and stable
	F1 Arena II White	8.0	3.2	Good	Medium	Very Hard	Excellent flower shape, Strong stem
	F1 Arena III Apricot	8.0	3.2	Good	Tall	Hard	Unique colour of flower
	F1 Arena III Baby Pink	8.0	3.2	Good	Medium	Hard	Wavy, thick petals with good transportability
	F1 Arena III Blue Picotee	7.5	3.0	Good	Tall	Very Hard	Thick petal and top flowering type
	F1 Arena III Champagne	8.0	3.2	Good	Medium	Hard	Large flowers with many petals
	F1 Arena III Clear Pink (NEW)	8.0	3.2	Good	Tall	Hard	Flower buds shape is like peony.
	F1 Arena III Gold	8.0	3.2	Good	Tall	Hard	High performance with its yellow gold flower
	F1 Arena III Green	7.5	3.0	Excellent	Medium	Hard	Nice thick flower petal, good sturdy stem
	F1 Arena III Hot Pink	8.5	3.4	Good	Tall	Hard	Deep Pink. Stable doubleness under high temperature
	F1 Arena III Pink	8.0	3.2	Good	Tall	Hard	Bright pink under fluorescent light
	F1 Arena III Pink Flash	8.0	3.2	Good	Tall	Very Hard	Sturdy stem with high quality flower
	F1 Arena III Purple	7.0	2.8	Good	Medium	Hard	Curly, thick petals with deep purple colour
	F1 Arena III Red	6.0	2.4	Good	Tall	Hard	Vivid red, Unusual colour for Eustoma
	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.

F1 Croma™ series

Flower Earliness	Flower Size
I~IV*	Middle

* See page 77

Eustoma grandiflorum

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



80-100 cm
32-39 inches

- 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



II Champagne
FRS875



III Blue Picotee
FRS802



III Blue Picotee Imp.
FRS744



III Green
FRS804



III Pink Picotee
FRS891



III Pink Picotee Imp.
FRS743

CROMA

F1 Croma II Champagne



III Silky White
FRS786



III White
FRS785



F1 Croma III Pink Picotee



III Yellow
FRS801



IV Lavender
FRS746



IV Lavender Imp
FRS745

Variety Comparison among Croma

Variety Name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
	cm	inch				
F1 Croma II Champagne (NEW)	6.0	2.4	Good	Medium	Normal	Stable flower colour under cold condition.
F1 Croma III Blue Picotee	6.0	2.4	Excellent	Medium	Hard	Stable Picotee, high doubleness, top flowering
F1 Croma III Blue Picotee Imp.(NEW)	6.0	2.4	Good	Tall	Hard	Stable picotee under high temperature conditon.
F1 Croma III Green	6.0	2.4	Excellent	Tall	Normal	Slow growth at early stage, but vigorous growth at later stage
F1 Croma III Pink Picotee	7.0	2.8	Good	Medium	Normal	Larger with more open flower shape within Croma series
F1 Croma III Pink Picotee Imp. (NEW)	7.0	2.8	Good	Medium	Very Hard	Stable picotee even under cold condition.
F1 Croma III Silky White	7.0	2.8	Good	Medium	Hard	Pure white. More open flower shape compared to Croma III White
F1 Croma III White	7.0	2.8	Good	Medium	Hard	Rosy flower, Excellent performance, Nice shape flower with good doubleness
F1 Croma III Yellow	6.0	2.4	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	7.0	2.8	Excellent	Medium	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.

2020 NEW

F1 Jolly™ III Pink

Eustoma grandiflorum

Light required 15-20°C/ 59-68°F 20-25 days 900-1200 pel/g



80-100 cm
32-39 inches

- Plants produce an abundance of petite flowers with long vase life
- Very vigorous plant habit with very strong stem and flower petals

Variety Name	Flower Size		Branching	Plant Height
	cm	inch		
Double Flowered Jolly III Pink	6.0	2.4	Excellent	Tall
Stem Strength		Characteristic		
Very Hard		Many flowers and vigorous plant habit.		



FRS806

F1 Super Magic™ series

Flower Earliness	Flower Size
I~II*	Large
* See page 77	

Eustoma grandiflorum

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



70-90 cm
28-35 inches

- Super Magic is a double flowered mid-early series
- Top flowering habit with large sized flowers
- The wide colour assortment, including spectacular colours of Apricot and Champagne, provides a complete range for professional growers



Apricot
FRSG71 (FRS136)



Capri Blue Picotee
FRSH51 (FRS139)



Champagne
FRSG53 (FRS131)



Deep Blue
FRSG72 (FRS137)

Deep Blue may have less doubleness under high temperature conditions during flower bud formation stage



Pure White
FRSG63 (FRS135)



Rose
FRSG59 (FRS133)



White
FRSG79 (FRS138)



Yellow
FRSG62 (FRS134)

Takii's Lisianthus flowering earliness

Arena, Croma, Corelli, 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™ II Blue Picotee

Eustoma grandiflorum

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



80-100 cm
32-39 inches

- 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



Single Flowered	Variety Name	Flower Size		Branching	Plant Height	Stem Strength	Characteristic
		cm	inch				
	F1 Vulcan II Blue Picotee	4.5	1.8	Excellent	Middle	Very Hard	Thick petal, top flowering

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 Advantage™ series

Flower Earliness	Flower Size
II*	Middle
* See page 77	

Eustoma grandiflorum

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



70-90 cm
28-35 inches

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



Cherry Sorbet
FRSG41



Pink
FRSG46



Purple
FRSG43



Yellow
FRSG44

F1 Falda™ series

Flower Earliness	Flower Size
II*	Middle
* See page 77	

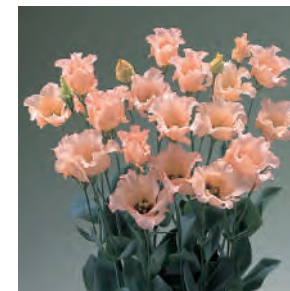
Eustoma grandiflorum

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



80-100 cm
32-39 inches

- 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
FRSG73



II Salmon
FRSG72



Variety Comparison among Falda

Single Flowered	Variety Name		Flower Size		Branching	Plant Height	Stem Strength	Characteristic
	F1 Falda	II Light Apricot	cm	inch				
	F1 Falda	II Salmon	5.0	2.0	Good	Medium	Hard	Nice colour, Gorgeous in bouquet
			5.0	2.0	Good	Medium	Hard	Unique colour, Thick petal

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.

High double type

- Average of 90% double-flowering type

Canneto White™

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



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



Cream Yellow
FST318



White
FST320

Selectable type

- Seedlings are selectable for doubleness

Glory™ series

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 colour (See page 37)



Blue
FST257



Cherry
FST252



Lavender
FST255



Light Purple
FST258



Pink
FST256



Rose
FST253



White
FST193

Xmas™ series

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 colour (See page 37)



Apricot
FST328



Blue
FST131



Ocean
FST139



Pink
FST135



Rouge
FST324



Ruby
FST134



White
FST133

Virgo™*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

F1 Sun™ series*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
FZN642Gold
FZN641Red
FZN651Sunshine Mix
FZN652

Terms and Conditions of Sale

1. DELIVERY

Unless otherwise agreed in advance, seller will endeavour to deliver the goods by the way which seller deems to be best. The seller will not take responsibility for any delay or loss after the goods have left seller's warehouse or stock depot.

2. USE OF SEED

All the seed is sold for the purpose of horticultural and/or agricultural crop only. It is expressly forbidden to use the seeds for multiplication or reproduction purposes. No responsibility whatsoever, will be accepted for any seeds reproduced.

3. DELIVERY DUTY

Advanced orders for the seeds where seed crops have not yet been received by the seller are booked subject to the restriction of an average yield of standard germinating seeds and quality standards. Should the yield be lower than average, the seller has the right to deliver pro rata or will be dismissed from his delivery duty in case of total crop failure.

4. PROPERTY RIGHT

The seller remains an owner of the goods until the time full payment has been made.

5. COMPLAINTS

Any claims for quantity and appearance of seeds shall be submitted within 6 working days from the receipt of the seeds.

Any claims for the contents of invoice shall be submitted within 6 working days from the receipt of the seeds.

Any claims for germination and physical purity have to be submitted within 30 days from the receipt of the seeds.

Complaints about varietal purity of the seeds supplied must be made as soon as possible, in any case, at the point of time that the crop can still be examined in the field by both parties.

No complaint can be considered unless clear proof can be given that the seed grown and alleged to have performed unsatisfactory was in fact the seed supplied by the seller and that it was sown on suitably prepared ground, including soil and any type of growing medium, treated carefully and correctly throughout and subject only to such conditions as were likely to produce a favorable crop.

6. NON PAYMENT

The seller reserves the right to withhold deliveries until all and any outstanding payments have been received and reserve a lien upon and the right to sell or otherwise dispose of all the goods for which payments have not been made.

If the buyer does not make full payment within a period agreed upon, an interest is charged at 1.5% per month.

7. SOLVENCY

Condition for the delivery duty is that the buyer has an unconditional solvency. If the seller receives before shipment, any information from a bank, credit office or any other reliable source which leads the seller to believe the buyer's solvency is at risk, the seller has the right to demand security for payment or to cancel the shipment.

8. LATENT DEFECT

Diseases of plants can be transmitted by the wind, insects, animals or by humans and may be seed borne or soil borne. It is not a condition of sale nor do we warrant that any seed sold by the seller shall be free from such a deficiency and the seller will not be responsible in any way for the resultant crop.

9. FORCE MAJEURE

The seller shall not be responsible for any delay of goods or any part thereof, caused by any act of God, action by any government, strike, lockout, combination of workers, riot or civil commotion, breakdown of machinery, power failure, fire, crop failures grown by the seller or on the seller's behalf and/or any other contingency beyond the control of the seller.

10. INSURANCE

Unless otherwise agreed upon in advance, the seller will insure the goods, at the cost of the buyer, for the damage in the transportation under the seller's open policy.

11. PRODUCT DESCRIPTIONS

Descriptions, illustrations and/or photographs shown in catalogues, leaflets and/or any other documents are based upon the results obtained under favorable conditions. Identical results are not guaranteed nor implied for all growing conditions.

12. DISEASE AND/OR PEST RESISTANCE

Resistance and susceptibility claimed by the seller in the descriptions of the varieties are based upon the results obtained under conditions and with strains (races) of pathogens available in Japan. The seller does not guarantee identical results when the seeds are grown under different conditions.

13. OTHER CONDITIONS

Conditions not stipulated in the terms and conditions of sale are subject to the International Seed Federation (ISF) Rules and Usages for the Trade in Seeds for Sowing Purpose.

Limitation of Liability

All seeds we sell are properly cleaned, dried and graded up to our international standard, and the germination and purity are tested at our laboratory before the shipment, and data of the test will be furnished when so asked.

However, in view of the nature of merchandise and in accordance with universal custom of the seed trade, WE HAVE NO WARRANTY OF MERCHANTABILITY, FITNESS FOR PURPOSE OR OTHER WARRANTY, EXPRESS OR IMPLIED.

No claim or liability shall be asserted unless the buyer or user shall have reported within a reasonable period as stipulated in clause-5 "Complaints" of terms and conditions of sale.

OUR LIABILITY IS LIMITED IN AMOUNT TO THE PURCHASE PRICE OF THE SEEDS, WHETHER ARISING FROM CONTRACT, NEGLIGENCE, WARRANTY, OR ANY OTHER CAUSE.

WE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES.

