AMERICAN TAKII
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Delphinium F1 Aurora™ Series

Delphinium elatum

COLORS AVAILABLE:	Blue, Deep Purple, Lavender, Light Blue, Light Purple, White
SIZE/PLANT HABIT/TYPE:	Height 35 – 47", single primary stem in cut culture / Garden perennial
NOVELTY CHARACTERISTICS:	Excellent uniformity and hybrid vigor, flowers tightly packed on sturdy stems
MARKET USE:	Cut flower, bedding (***see next page for pot culture***)

CULTURAL RECOMMENDATIONS:

SEASON APPLICATIONS:	
SOWING:	Spring, fall
FINISHING:	Summer, fall
PHOTOPERIODISM:	Night interruption of 4 hours helps initiate flowering under short days
PLUG STAGE:	
TRAY SIZE:	288 or larger
GERMINATION:	Emergence 10 -12 days / 65°F; cover with vermiculite—needs dark conditions for germination
SUPPLEMENTAL LIGHTING:	Not required
PLUG FINISH TIME:	5 - 6 weeks
FINISHING:	
TRANSPLANT:	35-45 days after sowing
SPACING:	35-45 days after sowing
DAYS TO FLOWER:	65 – 75 days
TEMPERATURE:	60- 80°F day / 45- 50°F night
EC:	Maintain lower EC levels than with open pollinated varieties
pH:	6.0-7.5
COMMON DISEASE/PESTS:	Crown rot, Bacterial Leaf Spot, Powdery & Downy mildew/Thrips, aphids, spider mites

NOTES:

- For greenhouse production, sow seeds in the fall (Oct. to Dec.) for a March to May flowering time
- In mild climates, production can be outside as they prefer cool temperatures
- Sow August thru September plants will flower in November, and February to May plantings will flower during the summer and fall
- During cooler times of the year, cut back after flowering to initiate re-flowering, average of 6-7 weeks
- Keep soil well drained and cool as they are susceptible to root rot.
- Reduce the amount of fertilizer after bud initiation to reduce disease problems.
- Deep Purple will flower 7 days earlier than the other colors.

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Pot Culture

COLORS AVAILABLE:	Blue, Deep Purple, Lavender, Light Blue, Light Purple, White
SIZE/PLANT HABIT/TYPE:	35 – 47 inches
NOVELTY CHARACTERISTICS:	Large columns of spectacular flowers, hybrid vigor, very uniform
MARKET USE:	Sold green in packs or pots; excellent gallon or 2 gallon, 6- or 8-inch flowering perennial

CULTURAL RECOMMENDATIONS:

PLUG STAGE:	
TRAY SIZE:	288 or larger
GERMINATION:	10 – 12 days at 65°F, cover with vermiculite — needs dark conditions for germination
PLUG FINISH TIME:	5 to 6 weeks
FINISHING:	
TRANSPLANT:	35-45 days after sowing
DAYS TO FLOWER	110 – 120 days
TEMPERATURE:	60–80°F day / 45-50°F night
EC:	Low
pH:	6.0-7.5
COMMON DISEASE/PESTS:	Crown rot, Bacterial Leaf Spot, Powdery & Downy mildew/Thrips, aphids, spider mites

NOTES:

- February to May plantings will flower during the summer and fall
- Cool soil is an important factor in developing sufficient plant size before flower induction begins
- Higher fertility levels early in culture helps build plant size prior to flowering for best bloom quality
- Flower stems initiated prematurely by warm growing conditions can be removed to allow plant size to develop. Once desired plant size is attained, allow flower stems to develop naturally.
- Keep soil well drained and cool as Delphiniums are susceptible to root rot
- Reduce the amount of fertilizer after bud initiation to reduce disease problems
- For southern and warm climate production, sow seeds October to December for an April to May flowering time to allow production under cooler conditions

PGR Information: Sprays of Paclobutrazol (Bonzi, Paczol, Piccolo) at 20 PPM 2 or 3 times were very effective in reducing growth by 25%. The spray treatments resulted in plants that were 29 inches tall, making for a very shippable plant. The drench treatments did not provide acceptable growth control.