PERENNIAL PROPAGATION Viola Magnifi Scent®

Viola cornuta

TRAY & ROOTING

Form	Unrooted Cuttings (URC)
Rooting Hormone	Yes
Tray Size(s)	72, 105
Plants Per Cell	1
Wks. From Stick To Transplant	5-6
Pinch?	Yes
Days from stick to pinch	14-21

FERTILITY

Fertilize Through Mist?	No
Fertilizer Rate	100-150 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])
EC Range	Moderate: (2.0-3.5 mS via SME)
pH Range	5.4-5.8
TEMPERATURE	
Average Soil Temperature	65-72°F (18-22°C)
Average Air Temperature	58-65°F (14-18°C)
IRRIGATION	
	Level 3: Keep media
Irrigation Frequency	moderately moist with mild dry cycles
Irrigation Frequency	
LIGHT	mild dry cycles
LIGHT Supplemental	mild dry cycles No
LIGHT Supplemental Benefits From Shade?	mild dry cycles No No
LIGHT Supplemental Benefits From Shade? POTENTIAL DISEASES	mild dry cycles No No
LIGHT Supplemental Benefits From Shade? POTENTIAL DISEASES Botrytis, Alternaria, Pythiu	mild dry cycles No No im

• Optional 300-500 ppm Florel (3.9% Ethephon)

CULTIVAR LIST

Sunny Jim, Sweetheart

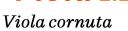
'Sunny Jim'

TIPS

- Plants are sensitive for high pH and high salt levels. Monitor pH and EC regularly to avoid any issues.
- Overmisting can lead to pronounced nutrient deficiencies; monitor mist carefully to avoid consistently saturated media. Tenting has proven to be an effective strategy for some growers.



PERENNIAL FINISHING *Viola Magnifi Scent*®



VERNALIZATION				
Vernalization Required?	Cooling	Cooling		
Vernalization Duration Minimum	6-8 weeks	6-8 weeks		
Vernalization Temperature	e 35-40°F (1.6-4.4°C)		
CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)		
4 in./qt (10-12 cm)	1	8-10		
6 in./Gal. (15-16 cm)	2-3	9-12		
FERTILITY				
Fertilizer Rate	[15-0-15 ur	200-250 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])		
EC Range	Moderate	Moderate: (2.0-3.5 mS via SME)		
pH Range	5.8-6.3	5.8-6.3		
TEMPERATURE				
Day Temperature	45-55°F (45-55°F (7-13°C)		
Night Temperature	35-45°F (35-45°F (2-7°C)		
IRRIGATION				
Irrigation Frequency		Level 3: Keep media moderately moist with mild dry cycles		
LIGHT				
Photoperiodic requirements	Daylength	Daylength Neutral		
Supplemental?	None	None		
Benefits From Shade?	No	No		
PINCHING				
Finishing Pinch?	No	No		
Transplant to pinch (days)) N/A	N/A		
POTENTIAL DISEASES				
Botrytis, Alternaria, Pythium				
POTENTIAL PESTS				
aphids, whitefly, fungus gn	ats			
PGR SUGGESTIONS				

- Bonzi (0.4% Paclobutrazol) 5-40ppm spray
- 5-8 ppm Sumagic (0.055% Uniconazole)





'Sweetheart'

TIPS

- Finish crop as cool as possible with low day and night temperatures and high light.
- Cooling for 4-5 weeks is required for superior flowering at 40°F (4.4°C)

FEATURES AND BENEFITS Viola Magnifi Scent®

Viola cornuta

KEY INFORMATION

First Year Flowering?	Yes
Bloom Time	Spring
Exposure	Full Sun to Shade
Hardiness Zone	4-6
Height	4-8 inches (10-20 cm)
Width	8-14 inches (20-36 cm)
DESCRIPTION	

Great early perennial with semi-evergreen foliage and pansy -like flowers that offer more than an annual Viola. Will reseed regularly and establish sporadic colonies wherever growing conditions are favorable.

CONSUMER APPEAL

- A great cool-season perennial that will bloom in the spring, stop blooming during the summer heat, and bloom again in the autumn. A delightful way to book-end the growing season.
- Violas can be good pollinator plants, they are also resistant to deer and the allelopathic biochemicals produced by black walnut trees.

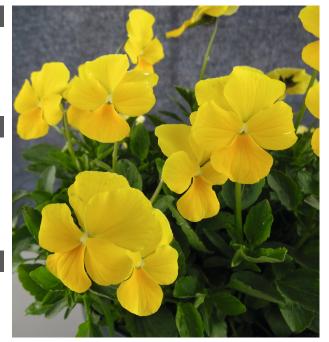
GARDEN ATTRIBUTES

- Viola cornuta features cute single flowers that can be used as solo cut flowers. The flowers are also edible.
- A nice choice for perennial borders, containers, hanging baskets, window boxes, spring centerpiece displays, or sprinkled throughout the garden to declare "spring is here!".
- Prefers consistently moist soils that are relatively welldrained and rich in organic matter. Can be grown in clay soils if in full sun and not overwatered.

COMPANION PLANTS

Alstroemeria, Monarda, Eupatorium (Ageratina), Polemonium, Phlox, Dianthus, Veronica

COMMON NAME(S) violet, horned violet, horned pansy



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