

Pansy Cool Wave® F₁ Series

(*Viola x wittrockiana*)

Annuals Culture (revised 03/14/17)

Twice the spread...double the colour!

Wow 'em with Cool Wave – hands down, it's the *fastest-growing, longest-lasting, truly trailing pansy* for Spring and Autumn. One trip to the garden centre for lush baskets or pots for in-ground planting is enough to convince anyone that Cool Wave is a cool-season gardener's dream.

Plug crop time: 4 to 5 weeks

Transplant to finish: Spring 6 to 7 weeks, Autumn 4 to 5 weeks

- The best-performing spreading pansy series delivers *easy spreading colour* for Spring and Autumn, so you can extend your growing season for the popular Wave Brand.
- More vigorous with the most prostrate habit of any spreading pansy – great in combos and as groundcover.
- Superior overwintering hardiness – Cool Wave is the earliest pansy to return in the Spring.

Maximize your growing success

Find all you need to grow fantastic Cool Wave pansies in the comprehensive Production Handbook. It's available in English and Spanish at panamseed.com or ask your preferred distributor for a copy.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Early Spring, Spring, Late Spring, Late Summer, Autumn, Winter	6-8 in. (15-20 cm)	24-30 in. (61-76 cm)	10-12 in. (25-30 cm)

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
PRM	288	1	4-5	2-3	5.5-5.8 pH 0.75 mmhos/cm	Yes

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3-4	Level 3-4	Level 2-4
Temperature	65-70°F (18-21°C)	65-70°F (18-21°C)	65-70°F (18-21°C)	60-65°F (16-18°C)
Light	Optional	2,500 f.c. (26,900 Lux)	2,500 f.c. (26,900 Lux)	5,000 f.c. (53,800 Lux)
Fertilizer		Less than 100 ppm N - Less than 0.7 EC	100 to 175 ppm N - 0.7 to 1.2 EC	100 to 175 ppm N - 0.7 to 1.2 EC
PGR			daminozide/1,500-2,500 ppm/Spray daminozide/chlormequat chloride tank mix/1,500/250-2,500/500 ppm/Spray	daminozide/1,500-2,500 ppm/Spray daminozide/chlormequat chloride tank mix/1,500/250-2,500/500 ppm/Spray

Propagation Key Tips

Adjust PGR rates and frequency of application depending on local conditions in Stages 3 and 4. Cool Wave varieties do not respond uniformly to ancymidol in plug production, so its use is not recommended. Using 105/128 plugs promotes stronger lateral growth and quicker finish. If using 288, use a younger, actively growing plug that is not rootbound.

Growing on to Finish

Growing on Temperature	Target Media pH/EC	Fertilizer	Daylength
(day) 62-70°F (17-21°C) (night) 55-60°F (13-16°C)	5.5-5.8 pH 1.2-1.5 mmhos/cm	175 to 225 ppm N - 1.2 to 1.5 EC	Facultative Long Day

Crop Scheduling

Container Size	Plants/Pot	Crop Time	Season	PGR
5"/6"/1 Gallon	1-3 (ppp)	6-7 (weeks)	Early Spring	daminozide/chlormequat chloride tank mix 2,500/250 ppm Spray
10" Pot or HB/3 Gallon	4 (ppp)	9-10 (weeks)	Early Spring	daminozide/chlormequat chloride tank mix 2,500/250 ppm Spray
5"/6"/1 Gallon	1-3 (ppp)	5-6 (weeks)	Autumn	daminozide/chlormequat chloride tank mix 5,000/500 ppm Spray
10" Pot or HB/3 Gallon	4 (ppp)	7-8 (weeks)	Autumn	daminozide/chlormequat chloride tank mix 5,000/500 ppm Spray

Common Problems

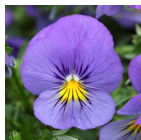
Insects: Fungus Gnats and Shore Flies in plug stage and Aphids in early stages after transplant. Disease: Damping off, Black Root Rot, Foliar Leaf Spots, Botrytis

Finishing Key Tips

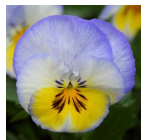
In heat of Autumn production, a paclobutrazol drench of 0.1 to 0.125 can be used once foliage is covering soil. Consult Cool Wave Production Handbook for more detailed information on scheduling for Autumn and Spring programs and variety-specific PGR information.

NOTE: Growers should use the information presented here as a starting point. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. Chemical and PGR recommendations are only guidelines. It is the responsibility of the applicator to read and follow all the current label directions for the specific chemical being used in accordance with all regulations.

Variety Pictures



Blue Skies



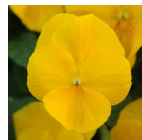
Blueberry Swirl



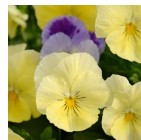
Blueberry Swirl Improved



Frost



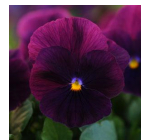
Golden Yellow



Lemon Surprise



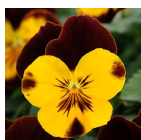
Morpho



Purple



Raspberry



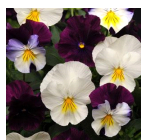
Sunshine 'N Wine



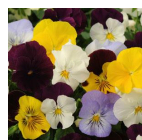
Violet Wing



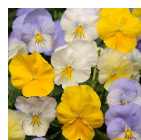
White



Berries 'N Cream Mixture



Mixture



Pastel Mixture

PanAmericanSeed™

PanAmerican Seed Co.
622 Town Road, West Chicago, Illinois, USA, 60185-2698
630 231-1400 Fax: 630 231-3609 PanAmSeed.com

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