GrowerFacts

PanAmerican Seed®

Petunia (Spreading) Shock Wave® F_1 Series

Annuals Culture (revised 12/13/24)

(Petunia x hybrida)

Packed with petite blooms!
You've never seen petunia hanging baskets like these! Every Shock Wave plant is blanketed with masses of colour from the amazing number of petite, high-impact flowers. With Shock Wave, gardeners can count on the same strong fill and vibrant colour that makes Wave a consumer favourite.

Plug crop time: 4 to 6 weeks
Transplant to finish: Spring 5 to 6 weeks, Summer 4 to 5 weeks

- Blooms in a 4 to 6-day window.
- Smaller blooms rebound faster from overhead watering and rain than other petunias, so they stay fresher-looking at retail and outdoors.
- Performs equally well in small spaces, baskets, containers and mixed combos.
- Series features a plant structure and shape like E3 Easy Wave.
- Recommended in Wave branded packaging: 4-in./10-cm pots, premium quarts, 306 premium packs with handle, hanging baskets.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Spring, Late Spring, Summer, Late Summer	7-10 in. (18-25 cm)	20-30 in. (51-76 cm)	10-15 in. (25-38 cm)

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days from 50% to maximum germination	Initial Media pH/EC (1:2)	Cover Seed
PEL	288 128	1 1	4-6 5-7	3-5	5.5-6.0 pH 0.75 mmhos/cm	No

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4-5	Level 3-4	Level 2-4	Level 2-4
Temperature	72-77°F (22-25°C)	72-77°F (22-25°C)	65-70°F (18-21°C)	60-65°F (16-18°C)
Light	Optional	6 $mol \cdot m^{-2} \cdot d^{-1}$ 1,000-2,500 f.c. (10,800-26,900 Lux)	8-12 $mol \cdot m^{-2} \cdot d^{-1}$ 2,500-4,000 f.c. (26,900-43,100 Lux)	8-15 $mol \cdot m^{-2} \cdot d^{-1}$ 2,500-5,000 f.c. (26,900-53,800 Lux)
Fertiliser		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/2,500-5,000 ppm/Spray	daminozide/2,500-5,000 ppm/Spray

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 61-75°F (16-24°C) **(night)** 57-65°F (14-18°C)	5.8-6.2 pH 1.5-2.0 mmhos/cm	225 to 300 ppm N (1.5 to 2.0 EC)	Facultative Long Day

Daylength Notation

Minimum Daylength Requirements by Variety:
9 hours: Deep Purple Improved
10 hours: Coral Crush, Denim, Pink Shades, Red Improved, Rose Vein, Violet
10.5 hours: Pink Vein, Purple Tie Dye, Rose, White

Crop Scheduling

Container Size	Plugs/Pot	Crop Time	Season	PGR
306 Pack/1801	1 (ppp)	5-6 (weeks)	Spring	paclobutrazol 3-5 ppm Drench
4"/4.5"/Quart/10 cm	1 (ppp)	5-6 (weeks)	Spring	paclobutrazol 3-5 ppm Drench
10" Pot or HB/3 Gallon/25 cm	3-4 (ppp)	6-8 (weeks)	Spring	paclobutrazol 3-5 ppm Drench
306 Pack/1801	1 (ppp)	4-5 (weeks)	Summer	paclobutrazol 3-5 ppm Drench
4"/4.5"/Quart/10 cm	1 (ppp)	4-5 (weeks)	Summer	paclobutrazol 3-5 ppm Drench
10" Pot or HB/3 Gallon/25 cm	3-4 (ppp)	5-6 (weeks)	Summer	paclobutrazol 3-5 ppm Drench

Common Problems

Insects: Thrips, Aphids, Fungus Gnats, Shore Flies Diseases: Botrytis, Rhizoctonia, Pythium

Finishing Key Tips

Daminozide spray of 2,500 to 5,000 ppm 7 to 10 days after transplant promotes branching and controls early stretch. As an optional treatment, flurprimidol (Topflor) can be used in place of paclobutrazol at 2/3 the rate of paclobutrazol. Can be grown as low as 50°F (10°C). Crop timing is related to average temperature when grown under proper daylength. Plants will take longer to flower when grown in cooler conditions. Recommended DLI range of 12 to 20 $mol \cdot m^{-2} \cdot d^{-1}$. Cold-Durable Varieties: Deep Purple Improved, Denim, Pink Shades, Pink Vein, Purple Tie Dye, Red Improved, Rose Vein, Violet, White Cold-Sensitive Varieties: Coral Crush, Rose

NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to confirm the treatment is available in their region as well as read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

Variety Pictures

Coral Crush

Deep Purple

Denim

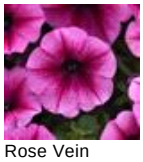
Pink Shades

Pink Vein

Purple Tie Dye

Red

Rose


Rose Vein

Violet

White

Spark Mixture

Volt Mixture

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