GrowerFacts

PanAmerican Seed®

Petunia (Spreading) Wave® F_1 Series

(Petunia x hybrida)

Annuals Culture (revised 12/16/24)

The Original Trailing Petunia
With its *easy spreading colour*™ and ability to stand tough in conditions that can wither other petunias, this “nothing-else-like-it” plant led the way to creating the most recognized plant brand in the world. Today, the six-color Wave series is the perfect choice to carry sales through your main season.

Plug crop time: 4 to 6 weeks
Transplant to finish: Spring 7 to 9 weeks, Summer 5 to 7 weeks

- Virtually care-free, the plants bloom like crazy all season, with masses of flowers along the entire length of each branch with no trimming back.
- Wave petunias stand up well to both heat and cooler conditions, and perform better than most petunias when *botrytis* is present.
- Recommended in Wave branded packaging: 6-in./15-cm pots, premium gallons, hanging baskets.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Spring, Late Spring, Summer, Late Summer	5-7 in. (13-18 cm)	36-48 in. (91-122 cm)	12-24 in. (30-61 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)	5.5-6.2 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 Requirement by Variety:
11.5 hours: Purple
12 hours: Lavender, Misty Lilac, Pink, Purple Classic
13 hours: Carmine Velour

Crop Scheduling

Container Size	Plugs/Pot	Crop Time	Season	PGR
5"/6"/1 Gallon/15 cm	1 (ppp)	7-9 (weeks)	Spring	paclobutrazol 5-8 ppm Drench
10" Pot or HB/3 Gallon/25 cm	3-4 (ppp)	8-10 (weeks)	Spring	paclobutrazol 5-8 ppm Drench
5"/6"/1 Gallon/15 cm	1 (ppp)	5-7 (weeks)	Summer	paclobutrazol 5-8 ppm Drench
10" Pot or HB/3 Gallon/25 cm	3-4 (ppp)	6-8 (weeks)	Summer	paclobutrazol 5-8 ppm Drench

Common Problems

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

Finishing Key Tips

Daminozide spray of 3,500 to 5,000 ppm 7 to 10 days after transplant promotes branching and controls early stretch. Carmine Velour and Purple Wave are more vigorous than other Wave varieties and can use a paclobutrazol 8 to 10 ppm drench. 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: Carmine Velour, Lavender, Pink, Purple, Purple Classic

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


Carmine Velour


Lavender


Misty Lilac


Pink


Purple


Purple Classic

PanAmerican Seed Co.
622 Town Road,West Chicago, Illinois, USA, 60185
+1 800-231-7065 PanAmSeed.com

™ denotes a trademark of and ® denotes a registered trademark of Ball Horticultural Company in the US. It may also be registered in other countries.
©2026 Ball Horticultural Company