

Petunia (Spreading) Wave® F₁ Series

(*Petunia x hybrida*)

Annuals Culture (revised 11/07/23)

The original spreading 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 | 72-75°F (22-24°C) | 68-75°F (20-24°C) | 65-70°F (18-21°C) | 60-65°F (16-18°C) |
| Light | Optional | 6 mol·m ⁻² ·d ⁻¹ 1,000-2,500 f.c. (10,800-26,900 Lux) | 8-12 mol·m ⁻² ·d ⁻¹ 2,500-4,000 f.c. (26,900-43,100 Lux) | 8-15 mol·m ⁻² ·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

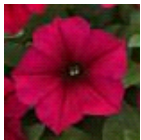
Insects: Thrips, Aphids, Fungus Gnats, Shore Flies Diseases: Botrytis, Rhizoctonia, Pythium

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·m⁻²·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



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