

Petunia (Spreading) Shock Wave® F₁ Series

Annuals Culture (revised 11/07/23)

(*Petunia x hybrida*)

Packed with petite blooms!

You've never seen petunia hanging baskets like these – each Shock Wave plant is blanketed with masses of colour from the amazing number of petite, high-impact flowers.

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 – stays 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 | 72-75°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) | 5.8-6.2 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:

10 hours: Coral Crush, Denim, Pink Shades, Red

10.5 hours: Pink Vein, Deep Purple, 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·m⁻²·d⁻¹. Cold-Durable Varieties: Denim, Pink Shades, Pink Vein, Purple Tie Dye, White Cold-Sensitive Varieties: Coral Crush, Deep Purple, Red, 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



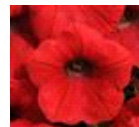
Pink Shades



Pink Vein



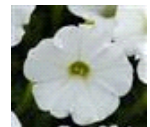
Purple Tie Dye



Red



Rose



White



Spark Mixture



Volt Mixture



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