

## Petunia (Spreading) E3 Easy Wave™ F<sub>1</sub> Series

Annuals Culture (revised 01/23/21)

(*Petunia x hybrida*)

### Wake up early-season sales!

It's Early, it's Efficient, it's the Evolution of Easy Wave®...it's E3!

This brand-new Wave® series flowers at 10 hours daylength, and it will be ready at retail to kick off Easy Wave sales even earlier! With a manageable, uniform plant structure and vigour, this new series offers simple production to save on labour costs. The plants can be grown at lower PGR rates than Easy Wave, so we say it's 'Extra Easy' Wave! The plants stay full and lush longer at retail for increased sell-through and the eye-catching appeal consumers expect from the Wave program.

**Plug crop time:** 4 to 6 weeks

**Transplant to finish:** Spring 6 to 7 weeks, Summer 4 to 5 weeks

- A new Wave brand series is now available to fulfill sales earlier in the season.
- Flowers at or under 10 hours daylength.
- E3 Easy Wave offers simplified production, as it can be successfully grown at lower PGR rates than Easy Wave (except Blue).
- All E3 Easy Wave varieties have a similar, uniform plant structure and vigour, which means simplified plant management.
- Plant holding capabilities across the series mean better quality over a longer time period for an extended sales window.
- E3 Easy Wave fulfills the Wave brand promise of *easy spreading colour* with superior performance: a manageable spreading habit, long bloom time and sheer colour value!
- Mounding, spreading habit offers a three-dimensional landscape effect, creating impressive baskets and planters.
- Recommended in Wave branded packaging: 6-in./15-cm pots, premium quarts and gallons, 306 premium packs with handle, hanging baskets.

## General Information

| Exposure | Bloom Season                             | Height                 | Spread                  | Spacing                 |
|----------|------------------------------------------|------------------------|-------------------------|-------------------------|
| Sun      | Spring, Late Spring, Summer, Late Summer | 6-12 in.<br>(15-30 cm) | 25-32 in.<br>(64-81 cm) | 10-15 in.<br>(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<br>128            | 1<br>1     | 4-6<br>5-7      | 3-5                                  | 5.5-6.0 pH<br>0.75 mmhos/cm | No         |

## Plug Production

|                    | Stage 1              | Stage 2                                                                           | Stage 3                                                                              | Stage 4                                                                              |
|--------------------|----------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Moisture</b>    | Level 4-5            | Level 3-4                                                                         | Level 2-4                                                                            | Level 2-4                                                                            |
| <b>Temperature</b> | 72-75°F<br>(22-24°C) | 68-75°F<br>(20-24°C)                                                              | 65-70°F<br>(18-21°C)                                                                 | 60-65°F<br>(16-18°C)                                                                 |
| <b>Light</b>       | Optional             | 6 mol·m <sup>-2</sup> ·d <sup>-1</sup><br>1,000-2,500 f.c.<br>(10,800-26,900 Lux) | 8-12 mol·m <sup>-2</sup> ·d <sup>-1</sup><br>2,500-4,000 f.c.<br>(26,900-43,100 Lux) | 8-15 mol·m <sup>-2</sup> ·d <sup>-1</sup><br>2,500-5,000 f.c.<br>(26,900-53,800 Lux) |
| <b>Fertilizer</b>  |                      | Less than 100 ppm N<br>(Less than 0.7 EC)                                         | 100 to 175 ppm N<br>(0.7 to 1.2 EC)                                                  | 100 to 175 ppm N<br>(0.7 to 1.2 EC)                                                  |
| <b>PGR</b>         |                      |                                                                                   | 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)       | Fertilizer                          | Daylength            |
|------------------------------------------------------|--------------------------------|-------------------------------------|----------------------|
| (day) 61-75°F (16-24°C)<br>(night) 57-65°F (14-18°C) | 5.5-6.2 pH<br>1.5-2.0 mmhos/cm | 225 to 300 ppm N<br>(1.5 to 2.0 EC) | Facultative Long Day |

### Daylength Notation

Minimum Daylength Requirement By Variety:

9 hours: White

9.5 hours: Coral, Pink, Red, Sky Blue

10 hours: Blue, Pink Cosmo

## Crop Scheduling

| Container Size               | Plugs/Pot | Crop Time   | Season | PGR                          |
|------------------------------|-----------|-------------|--------|------------------------------|
| 306 Pack/1801                | 1 (ppp)   | 6-7 (weeks) | Spring | paclobutrazol 2-3 ppm Drench |
| 4"/4.5"/Quart/10 cm          | 1 (ppp)   | 6-7 (weeks) | Spring | paclobutrazol 2-3 ppm Drench |
| 10" Pot or HB/3 Gallon/25 cm | 3 (ppp)   | 8-9 (weeks) | Spring | paclobutrazol 2-3 ppm Drench |
| 306 Pack/1801                | 1 (ppp)   | 4-5 (weeks) | Summer | paclobutrazol 2-3 ppm Drench |
| 4"/4.5"/Quart/10 cm          | 1 (ppp)   | 4-5 (weeks) | Summer | paclobutrazol 2-3 ppm Drench |
| 10" Pot or HB/3 Gallon/25 cm | 3 (ppp)   | 6-7 (weeks) | Summer | paclobutrazol 2-3 ppm Drench |

### Common Problems

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

### Finishing Key Tips

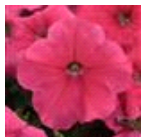
Post transplant, E3 Easy Wave varieties (see exceptions) can be controlled with less or half the rate of Easy Wave. North American recommendations: 1. Daminozide spray of 2,500-3,000 ppm 7 to 10 days after transplant promotes branching and controls early stretch. Then 2. Paclobutrazol 2-3 ppm drench 7 to 10 days later, additional drenches as needed. Exception: E3 Easy Wave Blue, with paclobutrazol rates similar to Easy Wave at 5 ppm drench. Northern Europe recommendations: Paclobutrazol 3-4 ml/l (12-16 ppm) spray weekly or as needed OR Daminozide 3 g/l (2,000 ppm) spray weekly or as needed Exception: E3 Easy Wave Blue, with paclobutrazol rates similar to Easy Wave at 5 ml/l (20 ppm) spray. All E3 Easy Wave varieties are cold durable. 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<sup>-2</sup>·d<sup>-1</sup>.

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



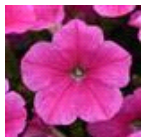
Blue



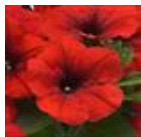
Coral



Pink



Pink Cosmo



Red



Sky Blue



White

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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