# GrowerFacts

PanAmerican Seed®

## Petchoa Caliburst™ $F_1$ Series

*(Petunia sp. x Calibrachoa sp.)*

Annuals Culture (revised 12/13/24)

**Petunia Power + Cool Calibrachoa Colours = Extraordinary Success!**
Caliburst, the first petchoa from seed, combines the vibrant colours from calibrachoas, the cold-durable production and daylength requirements of Wave petunias, and the ease of seed. It's the perfect formula for excellent Spring and Summer sales! Caliburst performs like a vegetative variety, with the flexibility of seed. With its controlled, manageable habit, it's the coolest for combos and containers.

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

- The first petchoa from seed! Caliburst takes the best colours from calibrachoa and delivers them in the habit, flower size and product form of petunias.
- Vibrant flower colours look exceptional in any season.
- Controlled habit is perfect for quarts (13 cm), gallons (17 cm) and baskets (23 cm+).
- Fantastic for mixed combos with both seed and vegetative components.
- Flowers with a 9-hour daylength response.
- Cold durable; it can be produced in early Spring.

## General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|---|---|---|---|---|
| Partial Sun, Sun | Early Spring, Spring, Late Spring, Summer, Late Summer, Autumn | 6-10 in.<br>(15-25 cm) | 20-28 in.<br>(51-71 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 | 3-7 | 5.5-6.0 pH<br>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** | 68-77°F<br>(20-25°C) | 68-77°F<br>(20-25°C) | 65-70°F<br>(18-21°C) | 60-65°F<br>(16-18°C) |
| **Light** | Optional | 6 $mol \cdot m^{-2} \cdot d^{-1}$<br>1,000-2,500 f.c.<br>(10,800-26,900 Lux) | 8-12 $mol \cdot m^{-2} \cdot d^{-1}$<br>2,500-4,000 f.c.<br>(26,900-43,100 Lux) | 8-15 $mol \cdot m^{-2} \cdot d^{-1}$<br>2,500-5,000 f.c.<br>(26,900-53,800 Lux) |
| **Fertiliser** | | 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) |
| **PGR** | | | daminozide/2,500-5,000 ppm/Spray | daminozide/2,500-5,000 ppm/Spray |

### Propagation Key Tips

Petchoa plug culture is similar to petunias, except petchoas require 1-2 additional days to germinate (plug stage 1) compared to petunias.

## Growing on to Finish

| Growing on Temperature | Target Media pH/EC (1:2) | Fertiliser | 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 | 100 to 175 ppm N<br>(0.7 to 1.2 EC) | Facultative Long Day |

### Daylength Notation

9-hour critical daylength.

## Crop Scheduling

| Container Size | Plugs/Pot | Crop Time | Season | PGR |
|---|---|---|---|---|
| 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 |
| 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 |

### Chemical Sensitivity

Do not apply daminozide after the plug stage. When applied at visible bud stage, daminozide can lessen the intensity of the yellow flower colour.

### Common Problems

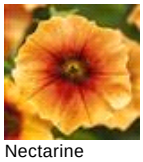
Insects: Thrips, Aphids, Fungus Gnats, Shore Flies Disease: Rhizoctonia, Pythium

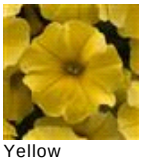
### Finishing Key Tips

Apply a paclobutrazol drench at 2-3 ppm at 7-10 days after transplant, with additional applications as needed or weekly spray applications of 10-15 ppm paclobutrazol. Avoid using daminozide spray at visible bud stage or later, as it can reduce the intensity of the yellow flower colour.

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


Nectarine


Yellow

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