

## Petchoa Caliburst™ F<sub>1</sub> Series

(*Petunia sp. x Calibrachoa sp.*)

Annuals Culture (revised 02/15/23)

### Petunia Power + Cool Calibrachoa Colours = Extraordinary Success!

PanAmerican Seed is excited to introduce Caliburst, *the first petchoa from seed!* With the **vibrant colours** from calibrachoa, the **cold-durable production** and **short 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

### Available in North America only.

- 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 yellow flower colour looks 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.
- Day neutral flowering with a 9-hour daylength response.
- Cold durable; it can be produced in early Spring using cold growing down to 50°F (10°C).

## General Information

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

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Growing on Temperature	Target Media pH/EC (1:2)	Fertilizer	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	100 to 175 ppm N (0.7 to 1.2 EC)	Facultative Long Day

### Daylength Notation

9-hour critical daylength.

## Crop Scheduling

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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

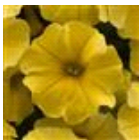
### Finishing Key Tips

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

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Yellow

PanAmericanSeed™

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