

# Calor Kalanchoe

*Kalanchoe blossfeldiana*



Dümmen Orange patio pot Kalanchoes complement the trusted and long-standing kalanchoe collections in our offering. Designated as a vigorous plant that can be installed in the consumers garden or mixed combo containers . It is a premium product that's perfect for growers looking to supplement their program with something special.

These are an extremely programmable crop, direct stuck in a gallon pot with 1ppp. Optimal plant quality will be achieved with gradual, minimal changes in environment that are managed at the variety level. Threshold levels should be lowered when monitoring for pest or disease pressure and the most success will be realized when issues are handled immediately. A philosophy of TLC, when applied to each stage of production will ensure a top-quality finished product.



Premium Pink



California Coral



Mad Magenta



Radiant Rose



Fabulous Fanta

STATUS	CULTIVAR	CULTIVAR CODE	RESPONSE TIME	VIGOR	LEAF SIZE	AVAILABLE (URC SIZE)	ROCOMMENDED POT SIZE
<b>NEW</b>	California Coral	52360	8,5	●●●●○	M/L	regular	4" (10cm), 6" (15cm)
<b>NEW</b>	Fabulous Fanta	52407	10	●●●●●	M/L	regular	4" (10cm), 6" (15cm)
<b>NEW</b>	Mad Magenta	52327	8,5	●●●●○	M/L	regular	4" (10cm), 6" (15cm)
<b>NEW</b>	Premium Pink	52359	8,5	●●●●○	XL	regular	4" (10cm), 6" (15cm)
<b>NEW</b>	Radiant Rose	52361	8,5	●●●●○	M/L	regular	4" (10cm), 6" (15cm)

●○○○○ *Compact*   ●●○○○ *Medium-compact*   ●●●○○ *Medium*   ●●●●○ *Medium-vigorous*   ●●●●● *Vigorous*

KALANCHOES

## PROPAGATION

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### MEDIA

Rooting Hormone?	<b>No</b>
Direct Stick Instructions	<b>Fill and saturate containers, wait for at least half a day before sticking, keep media as dry as possible for 6-8 days after stick.</b>

### FERTILITY

Fertilizer Rate	<b>50-75ppm N with 20-10-20 (when roots begin to form)</b>
Long-Day EC Range	<b>0.6-0.8 mS via SME</b>
pH Range	<b>5.5-6.0 (Ideally 5.8)</b>

### TEMPERATURE

Average Soil Temperature	<b>68°F (20°C)</b>
Average Air Temperature	<b>68-72°F (20-22°C)</b>

### IRRIGATION

Irrigation Frequency (after day 14)	<b>Level 3 (keep media moderately moist at all times)</b>
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### LIGHT

Vegetative Photoperiodic Requirements	<b>Long Day</b>
Supplemental	<b>To maintain vegetative growth: 14-18 hours daily or night interruption starting 2-3 hours after sunset and ending 2-3 hours before sunrise. The long-day propagation phase should last 6 weeks after stick. If doing a manual pinch then 8 weeks of long days are needed.</b>
Benefits From Shade?	<b>When transitioning out of prolonged low-light conditions, start shading at 4200 fc (45000 lux). During high-light months, shading must be applied at 5500 fc (59200 lux) or as-needed for cooling.</b>

### POTENTIAL DISEASES AND DISORDERS

*Botrytis, Pythium, powdery mildew, Fusarium, Phytophthora, oedema/edema*

### POTENTIAL PESTS

Aphids, fungus gnats, mites, thrips

### PGR SUGGESTIONS

- Daminozide (85%) at 2500ppm using an ultra-fine (mist) nozzle.
- Daminozide (85%) at 2000-2500 ppm + Chlormequat (11.8%) at 1000ppm tank mix using an ultra-fine (mist) nozzle to substitute Daminozide-only application.

### TIPS

- Bottom heat is suggested to speed rooting and stabilize media temperature. Ensure media temperature does not surpass ambient air temperature.
- Avoid sudden changes to the growing environment; any necessary adjustments should be gradual.
- Avoid use of oil-based liquid chemicals.
- Quick changes in temperature or humidity can cause stretching.

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FINISHING

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## FERTILITY

Fertilizer Rate	<b>100-200 ppm N with 20-10-20 plus additional micronutrients</b>
Short Day EC Range	<b>0.7-1.1 mS via SME</b>
Finish Flowering EC Range	<b>0.7-1.1 mS via SME</b>
pH Range	<b>5.7-5.9 (ideally 5.8)</b>

## TEMPERATURE

Day Temperature	<b>68-74°F (20-23°C) [ideally 68°F/20°C]</b>
Night Temperature	<b>66-70°F (19-21°C) [ideally 68°F/20°C]</b>

## IRRIGATION

Irrigation Frequency	<b>Level 3 (keep media moderately moist at all times)</b>
Humidity	<b>70-90% (Ideally 85%)</b>

## LIGHT

Flowering Photoperiodic requirements	<b>Short Day</b>
Photoperiodic Instructions	<b>Minimum 14 hours of darkness for 7 weeks minimum</b>
Supplemental	<b>Optional on cloudy days</b>
Benefits From Shade?	<b>When transitioning out of prolonged low-light conditions, start shading at 4200 fc (45000 lux). During high-light months, shading must be applied at 5500 fc (59200 lux) or as-needed for cooling.</b>

## POTENTIAL DISEASES AND DISORDERS

*Botrytis*, *Pythium*, powdery mildew, *Fusarium*, *Phytophthora*, oedema/edema

## POTENTIAL PESTS

Aphids, fungus gnats, mites, thrips

## PGR SUGGESTIONS

- Daminozide (85%) at 2000-2500ppm + Chlormequat (11.8%) at 1000ppm tank mix for the first short day application. After this initial tank-mix application, transition to a Daminozide only regimen.
- Daminozide (85%) at 2500-4000ppm. Start after initial tank mix application.
- Paclobutrazol (0.4%) at 2-4ppm only under emergency situations or long holding periods.

## TIPS

- 'Avoid overhead watering in general but especially during short days. Never use cold water, always 55°F (13°C) and warmer.
- Maintain a lower EC range when daytime temperatures are above 76°F (24°C).
- Stretching is primarily caused by humidity above 90% and/or a fluctuation of 30% or more.
- A red coloration on the underside of leaves indicates the crop is being kept too dry, too cold (below 62°F [17°C]) or is stressed in another regard.
- Kalanchoes are very sensitive to ethylene. A buildup of more than 0.1ppm should be avoided. Keep this in mind when shipping.
- A swift drop or rise of more than 4°F (2.2°C) can cause major production issues. Gradual environmental changes are necessary.