

OVERVIEW

Calandiva® Decorative

Kalanchoe blossfeldiana



An elegant option for premium containers, Calandiva® Decorative is the original double-flowering kalanchoe that created the market for an affordable luxury. Calandiva® Decorative is the perfect choice to compliment the single-flowering Calandiva® Single cultivars.



Birkin



Jamaica



Leonardo



Rio



Rubio



Whites

STATUS	CULTIVAR	VARIETY CODE	RESPONSE TIME	VIGOR	LEAF SIZE	AVAILABLE (URC SIZE)	ROCOMMENDED POT SIZE
NEW	Adkins	52388	11	●●●○○	M/L	regular	2" (5cm), 4" (10cm), 6" (15cm)
NEW	Archer	52395	11	●●●●○	M	regular	2" (5cm), 4" (10cm), 6" (15cm)
NEW	Berkley	52413	11	●●●●○	M	regular	2" (5cm), 4" (10cm), 6" (15cm)
TOP PICK	Birkin	52005	9	●●○○○	S	regular	4" (10cm)
	Cher	52029	9	●●○○○	M	regular	4" (10cm)
NEW	Electra	52062	10	●○○○○	S	mini	2" (5cm), 4" (10cm)
	Fiesta	52033	9	●●●○○	M	regular	2" (5cm), 4" (10cm), 6" (15cm)
	Fox	52312	11	●●●○○	M	regular	2" (5cm), 4" (10cm)
	Hawn	52046	10	●●●○○	M	both	2" (5cm), 4" (10cm), 6" (15cm)
TOP PICK	Jamaica	52050	12	●●●○○	M	regular	4" (10cm), 6" (15cm)
NEW	Kelton	52370	10	●●●●○	M	both	2" (5cm), 4" (10cm)
	La Douce	52059	11	●●●●○	M	regular	4" (10cm), 6" (15cm)
TOP PICK	Leonardo	52065	10	●●●○○	M	both	2" (5cm), 4" (10cm), 6" (15cm)
NEW	Menzel	52369	11	●●○○○	M	both	2" (5cm), 4" (10cm)
	Moreno	52228	11	●○○○○	S/M	regular	2" (5cm), 4" (10cm), 6" (15cm)
NEW	Newton	52399	10	●●●●○	M	regular	2" (5cm), 4" (10cm), 6" (15cm)
TOP PICK	Nolin	52313	9	●○○○○	S	both	2" (5cm), 4" (10cm)
TOP PICK	Rio	52091	11	●●○○○	M	regular	4" (10cm), 6" (15cm)
TOP PICK	Rubio	52158	9.5	●●○○○	S/M	both	2" (5cm), 4" (10cm), 6" (15cm)
TOP PICK	Soldana	52088	9.5	●●●○○	M	regular	2" (5cm), 4" (10cm), 6" (15cm)
NEW	Summer	52391	11.5	●●●●●	M/L	regular	2" (5cm), 4" (10cm), 6" (15cm)
	Theron	52113	11	●●●●○	M	regular	4" (10cm), 6" (15cm)
NEW	Turner	52368	10.5	●●●●○	M/L	both	2" (5cm), 4" (10cm)
	Tylo	52114	9.5	●●●○○	M	regular	4" (10cm), 6" (15cm)
	Vega	52116	10	●●●●○	M	regular	4" (10cm), 6" (15cm)
TOP PICK	Weaver	52117	11	●●●○○	M	both	2" (5cm), 4" (10cm), 6" (15cm)
	Welch	52350	11	●●○○○	M	mini	2" (5cm), 4" (10cm)
TOP PICK	Whites	52307	10.5	●●●●○	M	both	2" (5cm), 4" (10cm)
	Zeta	52235	10	●●○○○	M	both	2" (5cm), 4" (10cm)

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

Calandiva® Decorative*Kalanchoe blossfeldiana***MEDIA**

Rooting Hormone?	No
Direct Stick Instructions	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.

FERTILITY

Fertilizer Rate	50-75ppm N with 20-10-20 (when roots begin to form)
Long-Day EC Range	0.6-1.0 mS via SME
pH Range	5.5-6.0 (Ideally 5.8)

TEMPERATURE

Average Soil Temperature	68°F (20°C)
Average Air Temperature	68-72°F (20-22°C)

IRRIGATION

Irrigation Frequency (after day 14)	Level 3 (keep media moderately moist at all times)
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LIGHT

Vegetative Photoperiodic Requirements	Long Day
Supplemental	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 phase should last between 6-10 weeks after stick depending on container size and cultivar vigor (General rule of thumb, apply long days until the plant is 2/3 the desired height).
Benefits From Shade?	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.

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. Only one spray in propagation at 3rd week of long days.
- Daminozide (85%) at 2000-2500 ppm + Chlormequat (11.8%) at 1000ppm tank mix using an ultra-fine (mist) nozzle to substitute Daminozide-only application.
- Chlormequat (11.8%) at 2000 ppm as an alternative to Daminozide for slow growing cultivars. Apply at 2nd week of the long days.

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 unless otherwise advised by Dümmen Orange.
- European growers oftentimes apply Propiconazole (41.8%) at 2-4ppm the 3rd or 4th week of long days. Although primarily used as a fungicide, one treatment can be applied to control leaf size on large-leafed cultivars.

KALANCHOES

FLOWERING PHASE

Calandiva® Decorative

Kalanchoe blossfeldiana



FERTILITY

Fertilizer Rate	100-200 ppm N with 20-10-20 plus additional micronutrients
Short Day EC Range	0.8-1.3 mS via SME
Finish Flowering EC Range	0.8-1.1 mS via SME
pH Range	5.5-6.1 (ideally 5.8)

TEMPERATURE

Day Temperature	68-74°F (20-23°C)
Night Temperature	66-70°F (19-21°C)

IRRIGATION

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

LIGHT

Flowering Photoperiodic requirements	Short Day
Photoperiodic Instructions	Minimum 14 hours of darkness for 7 weeks minimum (black out conditions)
Supplemental	Optional on cloudy days
Benefits From Shade?	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.

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 3rd or 4th week of short days. After this initial tank-mix application, transition to a Daminozide only regimen.
- Daminozide (85%) at 2500-4000ppm: (6-10 day summer rotation) (8-12 day spring/autumn rotation) (10-15 day winter rotation). Start after initial tank mix application.
- Paclobutrazol (0.4%) at 2-4ppm only in emergency situations or long holding periods.

TIPS

- If you can read a newspaper under blackout, it's not dark enough. Streetlights, moonlight, etc should be taken into account to reduce the chance of short day interruption.
- 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.