

Calandiva® Specialty

Kalanchoe blossfeldiana



Calandiva® Specialty features single and double flowering varieties with unique colors, patterns and flower forms. A premium product perfect for complementing a traditional program with an upscale twist.

An extremely programmable crop, Calandiva® Specialty prefers a philosophy of TLC to ensure a top-quality finished product. Achieve optimal plant quality with gradual changes in environmental conditions and low pest or disease threshold levels.



Discodip



Couture



Gloss



Swirl Nova



Flair

STATUS	CULTIVAR	CULTIVAR CODE	RESPONSE TIME	VIGOR	LEAF SIZE	AVAILABLE (URC SIZE)	ROCOMMENDED POT SIZE
NEW	Citrine	52410	9	●●●●○	M/L	regular	2" (5cm), 4" (10cm), 6" (15cm)
NEW	Couture	52382	8,5	●●●●○	M/L	regular	2" (5cm), 4" (10cm)
TOP PICK	Discodip	52219	8,5	●●○○○	S	regular	2" (5cm), 4" (10cm), 6" (15cm)
NEW	Flair	52383	8,5	●●●●●	M	regular	2" (5cm), 4" (10cm), 6" (15cm)
NEW	Gloss	52364	9	●○○○○	M	both	2" (5cm), 4" (10cm)
	Midi Sunkissed Pink	52131	9	●●●●○	M	regular	4" (10cm), 6" (15cm)
	Pretty	52439	10	●●○○○	M	regular	2" (5cm), 4" (10cm)
NEW	Swirl Bossa	52385	8,5	●●○○○	M	regular	2" (5cm), 4" (10cm)
NEW	Swirl Nova	52384	8,5	●●○○○	M	regular	2" (5cm), 4" (10cm)
NEW	Tweed Imp I	52402	10,5	●●●●○	M/L	both	2" (5cm), 4" (10cm), 6" (15cm)
NEW	Tweed Imp II	52398	11	●●●●○	M	both	2" (5cm), 4" (10cm), 6" (15cm)
TOP PICK	Wevano	52178	9	●●●●○	M	regular	2" (5cm), 4" (10cm)

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

KALANCHOES

PROPAGATION & VEGETATIVE PHASE

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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	0.6-0.8 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 Dümme 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

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FERTILITY

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

TEMPERATURE

Day Temperature	68-74°F (20-23°C) [ideally 68°F/20°C]
Night Temperature	66-70°F (19-21°C) [ideally 68°F/20°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 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. As with all Kalanchoes, but particularly with Calandiva® Sublime, gradual changes are necessary.