

Lobelia Vulcan Red

(*Lobelia x speciosa*)

Perennials Culture (revised 03/20/19)

Plug crop time: 8 to 10 weeks (288 tray)

Transplant to finish: 14 to 19 weeks

- The first professional-quality alternative to Queen Victoria, Vulcan Red is full, well-branched and strong-stemmed, with a uniform and more controlled habit.
- Best for 2-gallon containers and larger; can also be used for 1-gallon containers.
- Rich red flowers and bronze leaves are great for Autumn mixed combos.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Summer, Late Summer, Autumn	24-32 in. (61-81 cm)	10-14 in. (25-36 cm)	16-20 in. (41-51 cm)

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
PEL	288	1	7-10	8-10	5.8-6.6 pH 0.75 mmhos/cm	Light cover

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 4-3	Level 3	Level 3-2
Temperature	65-72°F (18-22°C)	65-68°F (18-20°C)	65-68°F (18-20°C)	60-65°F (16-18°C)
Light	Light	2,000-2,500 f.c. (21,500-26,900 Lux)	2,000-2,500 f.c. (21,500-26,900 Lux)	4,000-5,000 f.c. (43,100-53,800 Lux)
Fertilizer	Less than 100 ppm N - Less than 0.7 EC	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

Vernalization

No

Propagation Key Tips

Needs light for germination, but avoid drying out (light vermiculite cover advised). Grow at less than 10 hours for at least the first 8 weeks from sowing to keep vegetative.

Keep medium moisture level 4 and RH 80% on stage 1; not too wet!! Upon removal from Germ chamber, place in prop house with bottom heat (70F/21C). Use very light mist to maintain humidity, when media reaches level 3, trays need to be mist watered again. Trays would stay in propagation under mist up to 3 weeks.

Growing on to Finish

Growing on Temperature	Target Media pH/EC	Fertilizer	Daylength
(day) 65-70°F (18-21°C) (night) 60-65°F (16-18°C)	5.8-6.6 pH 1.1-1.3 mmhos/cm	175 to 225 ppm N - 1.2 to 1.5 EC	Obligate Long Day

Daylength Notation

Long day required – minimum 14 hours.

Crop Scheduling

Crop Type	Container Size	Plugs/Pot	Crop Time	Season	PGR
Annual	4"/4.5"/Quart	1 (ppp)	14-19 (weeks)	Summer	paclobutrazol 30 ppm Spray
Annual	4"/4.5"/Quart	1 (ppp)	14-19 (weeks)	Summer	uniconazole 5 ppm Spray
Annual	5"/6"/1 Gallon	2-3 (ppp)	14-19 (weeks)	Summer	paclobutrazol 30 ppm Spray
Annual	5"/6"/1 Gallon	2-3 (ppp)	14-19 (weeks)	Summer	uniconazole 5 ppm Spray

Fertilizer Notation

Needs moderate fertilization. Apply fertilizer at rate 2 (between 100 to 190 ppm N; 0.7 to 1.3 mmhos/cm). Maintain soil pH at 5.8 to 6.4 and soil EC at 1.1 to 1.3 mmhos/cm.

Common Problems

Insects: Leafminer, Aphids, Thrips, Snails, Slugs. Control Thrips, as Lobelia is very susceptible to INSV damage. Disease: INSV, Pythium, Phytophthora, Root and Crown Rot

Finishing Key Tips

Avoid drought stress. Grow evenly moist but not wet. Monitor for Snails, Slugs, Root and Crown Rot, Pythium, Phytophthora (if too wet). Control Thrips, as Lobelia is very susceptible to INSV damage.

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



Vulcan Red

PanAmericanSeed™

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