

# Petunia multiflora F1 Lambada



<b>Life cycle</b>	Annual
<b>Family/origin</b>	Solanaceae/South American
<b>Popular uses</b>	Outdoor containers, pots and packs, suitable for landscape beds and garden, hanging baskets
<b>Mature plant height</b>	20-25 cm (8-10")
<b>Mature plant width</b>	20-25 cm (8-10")
<b>Pot size</b>	Packs, 8-10 cm (3-4") pots
<b>Plants per pot</b>	1 3 to 5 plants for baskets and large pots
<b>Sun exposure</b>	Sun partial shade
<b>Water requirements</b>	Reduced, avoid wet conditions
<b>Flowering time</b>	Entire growing season
<b>Media</b>	A well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 1.4-1.8 (100-150 ppm)
<b>Growing temperature</b>	Start at 18-20°C (64-68°F) Lower the temperature after root at 15-18°C (59-64°F) Avoid wet conditions at night
<b>Light</b>	Facultative long day-in low light areas they may need daylength extension in the short day times of year when natural light accumulation is low for earlier flowering
<b>Fertilizer needs</b>	Balanced N:P:K fertiliser as needed recommended, use calcium based fertilizers EC 1.8-2.2 (50-200 ppm)
<b>Crop time</b>	10-12 weeks
<b>Hardiness zone</b>	N/A



*Rose veined*

## Growth regulators

Petunia responds to:  
Daminozide (Dazide, B-nine)  
Paclobutrazol (Bonzi) and Chlormequat (Cycocel) is possible

## Common Diseases

Pythium, Phytophthora Damping-off, Botrytis and Powdery mildew can also be a problem

## Common Pests

Thrips, Leafminer, Aphids and Whitefly

## Pinching

No need

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## Plug Production



<b>Seed forms</b>	Raw and pelleted
<b>Seed count</b>	8,000-11,000 sds/gr (255,000-300,000 sds/oz) <i>Varies by lot!</i>
<b>Recommended plug size</b>	480-264
<b>Seeds cell</b>	1
<b>Vermiculite cover</b>	No
<b>Stage 1 Germination</b>	pH 5.9 to 6.2 Media EC 0,5-1.0 (50-75 ppm) Growing medium temperature: 22-25°C (72-77°F) Radicle emergence will occur in 3-4 days Moisture: keep media moist but not completely wet to prevent lack of oxygen Petunia will germinate better with light
<b>Stage 2 Stem and Cotyledon</b>	Moisture: keep media moist but not wet to allow roots to penetrate EC 0.5-1.0 (50-75 ppm) Temperature: 18-20°C (65-68°F) To induce early flowering a day of at least 14 hrs at 3,500 lux (350 fc) is recommended
<b>Stage 3 Growth and development</b>	Moisture: reduce moisture levels for compact sturdy growth Allow media to dry in between watering Temperature: 18-20°C (65-68°F) EC 1.4-1.8 (100-150 ppm) Supplemental lighting up to an 16-18 days will induce early flowering
<b>Stage 4 Ready for transplanting</b>	Moisture: Keep media relatively dry to prevent stretching Temperature: 15-18°C (60-65°F) Temperatures below 15°C (60°F) will delay flower initiation EC: see stage 3
<b>Plug crop time</b>	4-5 weeks
<b>Approximate finish time</b>	5-6 weeks
<b>Special tips</b>	Low boron levels may cause tip abortion and blindness Use of calcium-based fertilizers will prevent calcium deficiency pH: keep pH above 5.7 and below 6.4 to prevent iron deficiency Moisture: allow media to dry and plants slightly to wilt between watering Best result with growth regulators is after application of watering when foliage is dry Light: most Petunias flower based on daylight accumulation. In low light areas supplemental lighting of 4,000-6,500 lux (400-650 fc) is advisable