

Petunia grandiflora F1 Limbo *GP* natural dwarf



Life cycle	Annual
Family/origin	Solanaceae/South American
Popular uses	Outdoor containers, pots and packs, suitable for landscape beds and garden, hanging baskets
Mature plant height	15-20 cm (5-8")
Mature plant width	20-25 cm (8-10")
Pot size	Packs, 8-10 cm (3-4") pots
Plants per pot	1 3 to 5 plants for baskets and large pots
Sun exposure	Sun/partial shade
Water requirements	Reduced, avoid wet conditions
Flowering time	Entire growing season
Media	A well-drained, porous media is best to prevent over watering pH 5,5-6,2 EC 1,0-1,5 (150-225 ppm N)
Growing temperature	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
Light	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
Fertilizer needs	Balanced N:P:K fertiliser as needed recommended, use calcium based fertilizers EC 1,8-2,2 (275-330 ppm N)
Crop time	10-12 weeks
Hardiness zone	N/A



Burgundy picotee

Growth regulators

F1 Limbo*GP* is naturally dwarf and does not need growth regulators to provide a saleable plant. However, PGRs can be applied to provide extra compact plants Daminozide (Dazide, B-Nine), Chloromequat (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



Seed forms	Raw and pelleted
Seed count	8.000-11.000 sds/gr (255,000-300,000 sds/oz) <i>Varies by lot!</i>
Recommended plug size	480-264
Seeds cell	1
Vermiculite cover	No
Stage 1 Germination	pH 5,9 to 6,2 Media EC 0,5-1,0 (75-150 ppm N) 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
Stage 2 Stem and cotyledon	Moisture: keep media moist but not wet to allow roots to penetrate EC 0,5-1,0 (75-150 ppm N) Temperature: 18-20°C (65-68°F) To induce early flowering a day of at least 14 hrs at 3500 lux (325 fc) is recommended
Stage 3 Growth and development	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 (210-275 ppm N) Supplemental lighting up to an 16-18 days will induce early flowering
Stage 4 Ready for transplanting	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
Plug crop time	4-5 weeks
Approximate finish time	5-6 weeks
Special tips	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 4000-6500 lux (375-605 fc) is advisable

