

Petunia grandiflora F1 Limbo *GP* - natural dwarf

Life cycle	Annual
Family / Origin	Solanaceae / South America
Popular uses	Outdoor containers, pots and packs, suitable for landscape, beds, garden and hanging baskets
Mature plant height	15-20 cm (6-8")
Mature plant width	20-25 cm (8-10")
Pot size	Packs, 8-10cm (3-4") pots
Plants per pot	1 plant per pot 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) After rooting, reduce temperature to 15-18°C (59- 64°F) Avoid wet conditions at night
Light	Facultative long day – in low light areas they may require an extension of day length during the short day times of the year to promote earlier flowering
Fertilizer needs	Balanced N:P:K fertilizer as needed recommended, use calcium-based fertilizers EC 1.8-2.2 (270-330 ppm N)
Crop time	9-11 weeks
Hardiness zone	N/A



Description

Limbo GP is the benchmark for genetically dwarf grandiflora petunias from seed

Growth regulators

F1 Limbo *GP* is naturally dwarf and does not require growth regulators to produce a marketable plant. However, PGRs such as Daminozide (Dazide/B-Nine) or Chlormequat (Cycocel) can be applied to obtain extra compact plants

Common Diseases

Pythium, Phytophthora (damping-off), Botrytis and Powdery Mildew

Common Pests

Thrips, Leaf Miner, Aphids and Whitefly

Pinching

No need



Plug Production

Seed forms	Raw and Pelleted
Seed count	8.000-11.000 seeds/gram (227.000-312.000 seeds/oz); varies by lot!
Recommended plug size	480-264
Seeds cell	1
Vermiculite cover	No cover
Stage 1 Germination	Media 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 Keep media moist but not completely wet to prevent oxygen deficiency Petunia will germinate better with light
Stage 2 Stem and cotyledon	Keep media moist but not wet to allow roots to penetrate EC 0.5-1.0 (75-150 ppm N) Temperature: 18-20°C (64-68°F) To induce early flowering, at least 14 hours per day at 3.500 lux (325 fc) is recommended
Stage 3 Growth and development	Reduce moisture levels for compact, sturdy growth Allow media to dry in between watering Temperature: 18-20°C (64-68°F) EC 1.4-1.8 (210-270 ppm N) Additional lighting up for up to 16-18 days ensures early flowering
Stage 4 Ready for transplanting	Keep media relatively dry to prevent stretching Temperature: 15-18°C (59-64°F); temperatures below 15°C (59°F) delay flowering EC: see stage 3
Plug crop time	4-5 weeks
Approximate finish time	5-6 weeks
Special tips	Low boron levels can cause tip abortion and blindness. Use of calcium-based fertilizers prevents calcium deficiency Keep pH above 5.7 and below 6.4 to avoid iron deficiency Moisture: allow media to dry and allow plants to wilt slightly between watering. Best result with growth regulators is after applying water when foliage is dry Light: most Petunias bloom based on daylight accumulation. In low light areas, additional lighting of 4.000-6.500 lux (372-604 fc) is advisable

