

# Petunia multiflora F1 Mambo \*GP\* natural dwarf



<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>	15-20 cm (5-8")
<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 1,0-1,5 (150-225 ppm N)
<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 (275-330 ppm N)
<b>Crop time</b>	10-12 weeks
<b>Hardiness zone</b>	N/A



Mid blue

## Growth regulators

F1 Mambo\*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), 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>Seeds cell</b>	1
<b>Vermiculite cover</b>	Not cover
<b>Stage 1 Germination</b>	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
<b>Stage 2 Stem and cotyledon</b>	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 3,500 lux (325 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 (210-275 ppm N) 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 (375-605 fc) is advisable.

