

## Petunia F1 Shake Series natural dwarf

<b>Life cycle</b>	Annual
<b>Family / Origin</b>	Solanaceae / South America
<b>Popular uses</b>	Outdoor containers, landscape beds and garden, hanging baskets and mixed containers
<b>Mature plant height</b>	15-20 cm (6-8")
<b>Mature plant Width</b>	20-25cm (8-10")
<b>Pot size</b>	Pack, 8-10cm (3-4") pots
<b>Plants per pot</b>	1 plant per pot 3-5 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>	Early Spring, Spring, Late Spring, Summer, Late Summer
<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 rooting 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 for earlier flowering in the short day times of year when natural light accumulation is low
<b>Fertilizer needs</b>	Balanced N:P:K fertilizer as needed recommended, use calcium based fertilizers EC 1.8-2.2 (270-330 ppm N)
<b>Crop time</b>	9-11weeks
<b>Hardiness zone</b>	N/A



### Description

A real color breakthrough in our genetically compact hybrid petunias. This new Shake F1 series is seed raised and combines unique flower colors with our well-known genetically compact Petunia plant habit and flowering speed

### Growth regulators

F1 Shake 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, Botrytis and Powdery Mildew

### Common Pests

Thrips, Leaf Miner, Aphids and White Fly

### Pinching

No need



## Plug Production

<b>Seed forms</b>	Raw and Pelleted
<b>Seed count</b>	8.000-11.000 seeds/gram (224.000-308.000 seeds/oz.)
<b>Seeds cell</b>	1
<b>Vermiculite cover</b>	No cover
<b>Stage 1 Germination</b>	Media: pH 5.9-6.2 / 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>	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) At least 14 hours at 3.500 lux (325 fc) per day is recommended to induce early flowering
<b>Stage 3 Growth and development</b>	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 (210-270 ppm N) Supplemental lighting up to 16-18 days will induce early flowering
<b>Stage 4 Ready for transplanting</b>	Keep media relatively dry to prevent stretching Temperature: 15-18°C (59-65°F); temperatures below 15°C (59°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 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 Flowering is based on daylight accumulation. In low light areas supplemental lighting of 4.000-6.500 lux (375-605 foot candles) is recommended

