

Petunia “Hotunia Radiance” Growing Guide

Petunia x hybrida

Use:	Hanging Basket or Ground Cover
Plant Type:	Annual
Seed count approx:	1,000 seeds/gram
Sowing to transplant:	25 – 30 days (3-4 Weeks)
Transplant to flowering:	35 – 40 days (4-5 weeks)
Minimum Germination rate:	85%
Seed form:	Pelleted Seed



Petunia Radiance has a mounding plant habit with large flowers in 11 colors. A Heat Lover with good disease tolerance.

Plant Characteristics:

Flower Size: 6-7 cm.

Plant Height: 15-20 cm.

Plant Width: 75-90 cm.

PLUG STAGE

Sow seeds on top of well-drained, Media with pH of 5.5-6.0 and EC of 0.5-0.75 mS/cm. Use 288 cell tray with 1 seed per cell. Seeds do not need to be covered. optimal temperature for germination is 22-25 °C (72-77 °F) with a moisture level of 5.

STAGE 1: Radical emergence takes 3-4 days.

STAGE 2: Stem elongation and cotyledon expansion takes 5-7 days.

STAGE 3: Development of first true leaves takes 8-15 days.

STAGE 4: Expect 4-5 true leaves after 16-30 days. Plants can be transplanted after 30 days.

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 5	Level 4	Level 3	Level 3
Temperature	22-25 .C	20-25 .C	20-25 .C	20-25 .C
Light	No	2,500 f.c	2,500 f.c	3,500 – 5,000 f.c
Fertilizer	No	Less than 100 ppm N	100-175 ppm N	100-175 ppm N

Plug fertilizer

N:P:K = 6:1:7

15-0-0	Calcium Nitrate	33 gram/100 liter of water
0-52-34	Momo Potassium phosphate	21 gram/100 liter of water
13-0-46	Potassium Nitrate	24 gram/100 liter of water
10-0-0+Mg	Magnesium Nitrate	18 gram/100 liter of water
	Solute	1 gram/100 liter of water
	Ferrous Sulphate	5 gram/100 liter of water

Transplant Stage:

Plugs can be transplanted into containers or beds 25-30 days after sowing. Petunia Radiance prefers a slightly acid growing media pH 5.5-6.0.

Recommended Container size

Pot Size	Plants Per Pot
4 in.	1 plant
6 in.	3 plants
8 in.	4 plants
10 in.	4 plants

Growing on to Finish:

Temperature: The ideal temperature Radiance is 20-25 °C (68-77 °F) during the day and 18-23 °C (65-73 °F) at night. Radiance can tolerate temperatures as high as 35 °C (95 °F)

Daylength Requirements: Petunia Radiance is daylength neutral.

Fertilizer: 250-300 ppm N (E.C. of 1.5-2.0 mS/cm.)

Apply fertigation once a day for 6 days. On the 7th day, use pure water to flush out accumulated salts.

Pinching: Not Necessary

Plant growth regulators (PGRs): Not Necessary

Moisture level: Media moisture levels should alternate between levels 2 and 4.

Pest & disease: Thrips, Aphids and Leaf rollers.