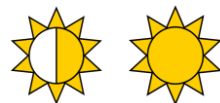


RAY™

Petunia hybrida



**RAY™
Shadow**



- Large flowers with a mounding habit makes for tidy baskets or great small pots
- Early enough for any market
- No pinching needed
- Mature height and width is 12" x 14" (30cm x 36cm)

More varieties in the RAY™ series:



**RAY™
Sunshine Imp.**



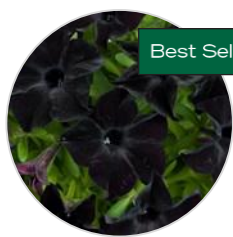
**RAY™
Sunflower imp.**



**RAY™
Fuchsia**



**RAY™
Purple Vein**



**RAY™
Black**



**RAY™
Pistachio Cream**



**RAY™
White**



**RAY™
Classic Blue**

For additional technical growing information:

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RAY™

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21° - 22°C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65° - 68° (18° - 20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



The series is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 2500 ppm / Uniconazole @ 10 ppm tank mix if plants are aggressively growing.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72 / 74 F (22 / 23 C)	50 ppm N in mist	Additional lighting is optional depending on region	Daminozide day after sticking	Day of sticking	
Week 2	5.6 to 6.0	.80 to .90	72 / 74 F (22 / 23 C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68 F (20 C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65 to 68 F (18 to 20 C)	feed 100 to 150 ppm		Daminozide spray application at 2500 ppm		

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RAY™

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 68° to 72°F (20° to 22°C)	No pinch necessary	150 - 200 ppm N	Finish stage Daminozide @ 2500 to 3200 ppm
8 to 9 wks (15 cm) 6 ½"		Additional lighting is optional depending on region	Soil EC 1.2 - 1.5 pH 5.6 to 6.0	
8 to 10 wks (20 cm) 8"	3 plants per container			
8 to 10 wks (25 cm) 10"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide at 2,500 to 3,200 ppm and / or Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65 to 68 F (18 to 20 C)	feed 100 to 150 ppm	N/A	Daminozide	Spray fungicide after transplant	
Week 5 to 15	5.6 to 6.0	1.2 to 1.5	65 to 68 F (18 to 20 C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

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