

# RAY™

Petunia hybrida

- Large flowers
- Mounded habit
- Blooms early enough for any market



Mounded



30-36 cm  
12-14 in



30-41 cm  
12-16 in



Hanging  
Basket



12-15  
Qt, Gal,  
Patio Pot



Landscape



Spring /  
Summer  
Flowering



RAY™ Shadow

DANZIGER

# The RAY™ series

NEW  
25



Ray™ Shadow



Ray™ Baroque Pink



Ray™ Black



Ray™ Classic Blue



Ray™ Fuchsia



Ray™ Pistachio Cream



Ray™ Purple Vein



Ray™ Sunflower Imp.



Ray™ Sunshine Imp.

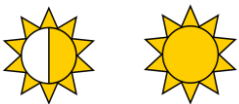


Ray™ White





*Petunia Hybrida*



Stick on priority – Number 2 out of 4 categories

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 3-4 100 to 150 ppm	Day of sticking & Week 2

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 ppm to 150 ppm		Daminozide spray application at 2500 ppm		



**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.



*Petunia Hybrida*

- 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°-72° F (20°-22° C)	No pinch necessary	150 - 200 ppm N	Finish stages 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			

<b>Pests</b>	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrip	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
<b>Diseases</b>	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRADIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
<b>Week 4 Transplant</b>	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	
<b>Week 5 to 15</b>	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

FINISHING TIPS



- 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