



Ball Flora Plant
Research & Development

725 Zenon Way
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Rooting Hormone Trial

BallFloraPlant

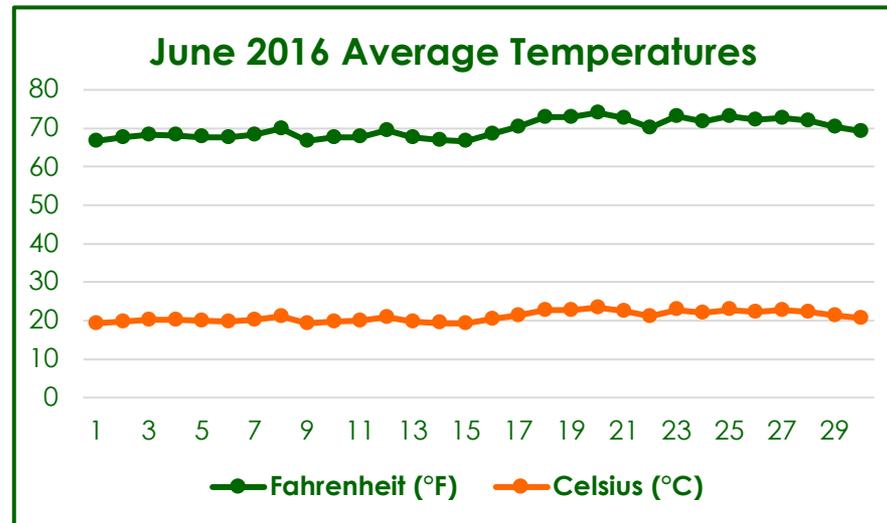
Rooting Hormone Trial

Data Points

Average Moles

- Tray Size: 102
- Stick Date: Week 22
- Finish: Week 26
- Total Crop Time: 4 Weeks
- Soil pH: 5.7
- Fertilizer: Clear water
- Tray Size: 102 tray, 25mm liner

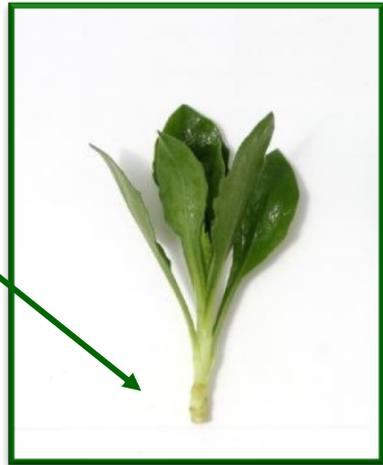
- June: 22.3 mol/m²d⁻¹



Osteospermum Serenity Pink Magic



No Rooting Hormone



5 days after stick, Osteo Pink Magic cuttings had an average of 40% of cuttings initiate callusing with no rooting hormone.

100 ppm IBA Spray

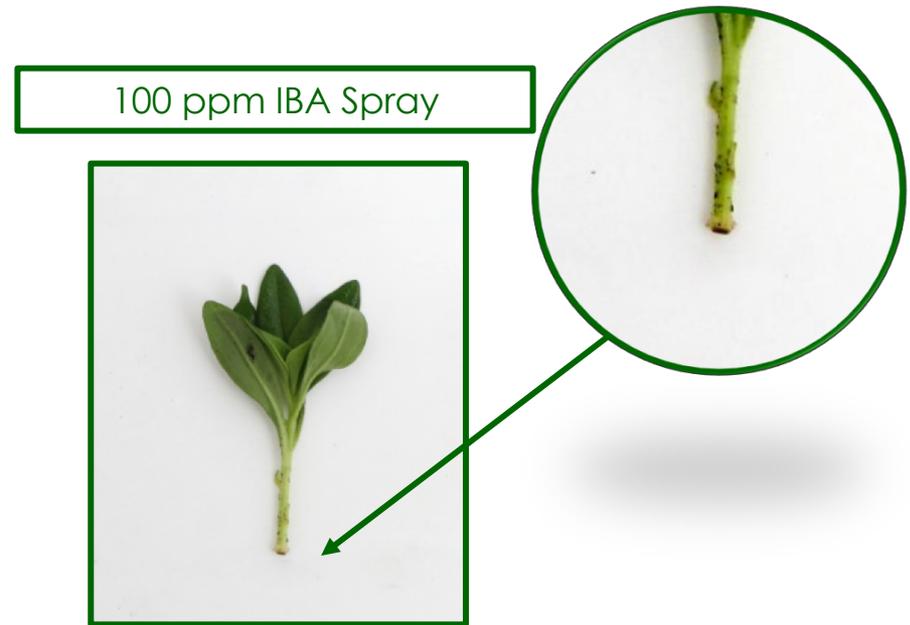


5 days after stick, Osteo Pink Magic cuttings, with a 100 ppm IBA spray after stick had an average of 90% of cuttings initiate callusing.

Calibrachoa Cabaret Deep Yellow



5 days after stick, Cabaret Deep Yellow cuttings had an average of 80% of cuttings initiate callusing with no rooting hormone.



5 days after stick, Cabaret Deep Yellow cuttings, with a 100 ppm IBA spray after stick, had 100% of cuttings initiate callusing and about 50% had small roots beginning to emerge.

Geranium Dynamo Dark Red



No Rooting Hormone



5 days after stick, Dynamo Dark Red cuttings stuck without rooting hormone only resulted in about 50% of cuttings initiate callusing.

100 ppm IBA Spray



5 days after stick, Dynamo Dark Red cuttings stuck, then treated with an IBA spray, resulted in 100% of cuttings begin to initiate callusing.

Petunia Sun Spun Blue



No Rooting Hormone



5 days after stick, Sun Spun Blue cuttings stuck without rooting hormone resulted in about 80% of cuttings begin callus and about 40% beginning to sprout roots.

100 ppm IBA Spray

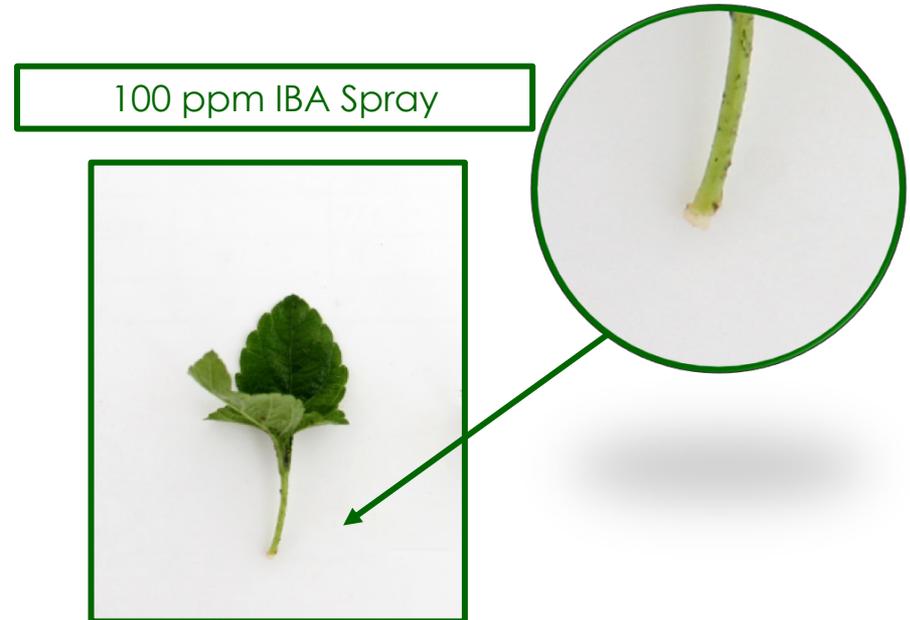


5 days after stick, Sun Spun Blue cuttings stuck, then treated with an IBA spray, resulted in 100% of cuttings showing more root development and roots to the edge of the elli pot.

Lantana Landmark Sunrise Rose



5 days after stick, Landmark Sunrise Rose cuttings had 100% of cuttings initiate callusing.



5 days after stick, Landmark Sunrise Rose cuttings also had 100% of cuttings initiate callusing as well. But had about 40% of cuttings show small sign of roots beginning to emerge.

Variety	No Rooting Hormone	100 ppm IBA spray (two weeks after stick)
Oseospermum Serenity Pink Magic		
Calibrachoa Cabaret Deep Yellow		
Geranium Dynamo Dark Red		
Petunia Sun Spun Blue		
Lantana Landmark Sunrise Rose	<p data-bbox="759 1153 1126 1190">* 4 weeks after stick</p> 	<p data-bbox="1379 1153 1746 1190">* 4 weeks after stick</p> 

Advantage

- No dipping
- Faster rooting
- Less buds and flowering in liner stage
- Faster rooting will allow an earlier transplant



Disadvantage

- Temporary leaf curl on some crops like Petunia and Geranium (will disappear after 7-10 days).

