Piccolo 10XC and Piccolo Comparison Trials

Poinsettias Fall 2010

Brian Whipker

Floriculture Extension and Research

NC STATE UNIVERSITY

Objective

- To compare the foliar spray and substrate drench efficacy of Piccolo 10XC and Piccolo on poinsettias.

Experimental Set up: Treatments by Cultivar

Rate	Piccolo 0.4% Spray	Piccolo 10XC Spray
0 ppm	Prestige, Maren, Marble	Prestige, Maren, Marble
11.25	Prestige	Prestige
15	Prestige, Maren, Marble	Prestige, Maren, Marble
22.5	Prestige	Prestige
30	Prestige, Maren, Marble	Prestige, Maren, Marble
Rate	**Drench Piccolo 0.4%**	**Drench Piccolo 0.4%**
0 mg a.i./pot	Prestige, Maren, Marble	Prestige, Maren, Marble
0.75	Prestige	Prestige
1.0	Prestige, Maren, Marble	Prestige, Maren, Marble
1.5	Prestige	Prestige
2.0	Prestige, Maren, Marble	Prestige, Maren, Marble

Prestige

Results: Prestige

Significance of class variables.

Sprays

Class Variable	Plant Height	Plant Diameter	Bract Diameter	Days Until Antheis	Days Until Bract Color
Conc	NS	NS	**	NS	NS
Chem x Conc	NS	NS	NS	NS	NS

Drenches

Class Variable	Plant Height	Plant Diameter	Bract Diameter	Days Until Antheis	Days Until Bract Color
Conc	***	***	***	***	NS
Chem x Conc	NS	***	NS	NS	NS

Chemical = Piccolo and Piccolo 10XC
*Significance: NS, *, **, *** = not significant, 0.05, 0.01, 0.001*

Paclo Sprays and Drenches

Prestige

Piccolo

piccolo® 10XC

30 ppm spray

Untreated

1 ppm drench

Maren

Results: Maren

Significance of class variables.

Sprays

Class Variable	Plant Height	Plant Diameter	Bract Diameter	Days Until Antheis	Days Until Bract Color
Conc	*	**	NS	NS	NS
Chem x Conc	NS	NS	NS	NS	NS

Drenches

Class Variable	Plant Height	Plant Diameter	Bract Diameter	Days Until Antheis	Days Until Bract Color
Conc	***	***	***	*	NS
Chem x Conc	NS	NS	NS	NS	NS

Chemical = Piccolo and Piccolo 10XC
*Significance: NS, *, **, *** = not significant, 0.05, 0.01, 0.001*

Paclo Sprays and Drenches

Maren

Piccolo

30 ppm spray

Untreated

1 ppm drench

Peterstar Marble

Results: Peterstar Marble

Significance of class variables.

Sprays

Class Variable	Plant Height	Plant Diameter	Bract Diameter	Days Until Antheis	Days Until Bract Color
Conc	*	NS	NS	NS	NS
Chem x Conc	NS	NS	NS	NS	NS

Drenches

Class Variable	Plant Height	Plant Diameter	Bract Diameter	Days Until Antheis	Days Until Bract Color
Conc	***	***	***	*	NS
Chem x Conc	NS	NS	NS	NS	NS

Chemical = Piccolo and Piccolo 10XC
*Significance: NS, *, **, *** = not significant, 0.05, 0.01, 0.001*

Paclo Sprays and Drenches

Peterstar Marble

Piccolo

piccolo® 10XC

30 ppm spray

Untreated

1 ppm drench

Conclusions

- Both Piccolo and Piccolo 10XC had the same degree of control with Prestige, Maren, and Peterstar Marble.
  - There were some slight variations with Prestige Plant Diameter with the substrate drenches, in which Piccolo 10XC had slightly less control.

- Therefore, when optimal rates are used for poinsettia production the efficacies of Piccolo and Piccolo 10Xc are similar.
  - This appears to be the case for the Southeastern U.S. with warm temperatures and high light conditions.
  - Based on the earlier trial formulation study, the differences only appeared to begin when the rate exceeded the optimal.

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