Beem Agro-Sciences Corporation, Inc.

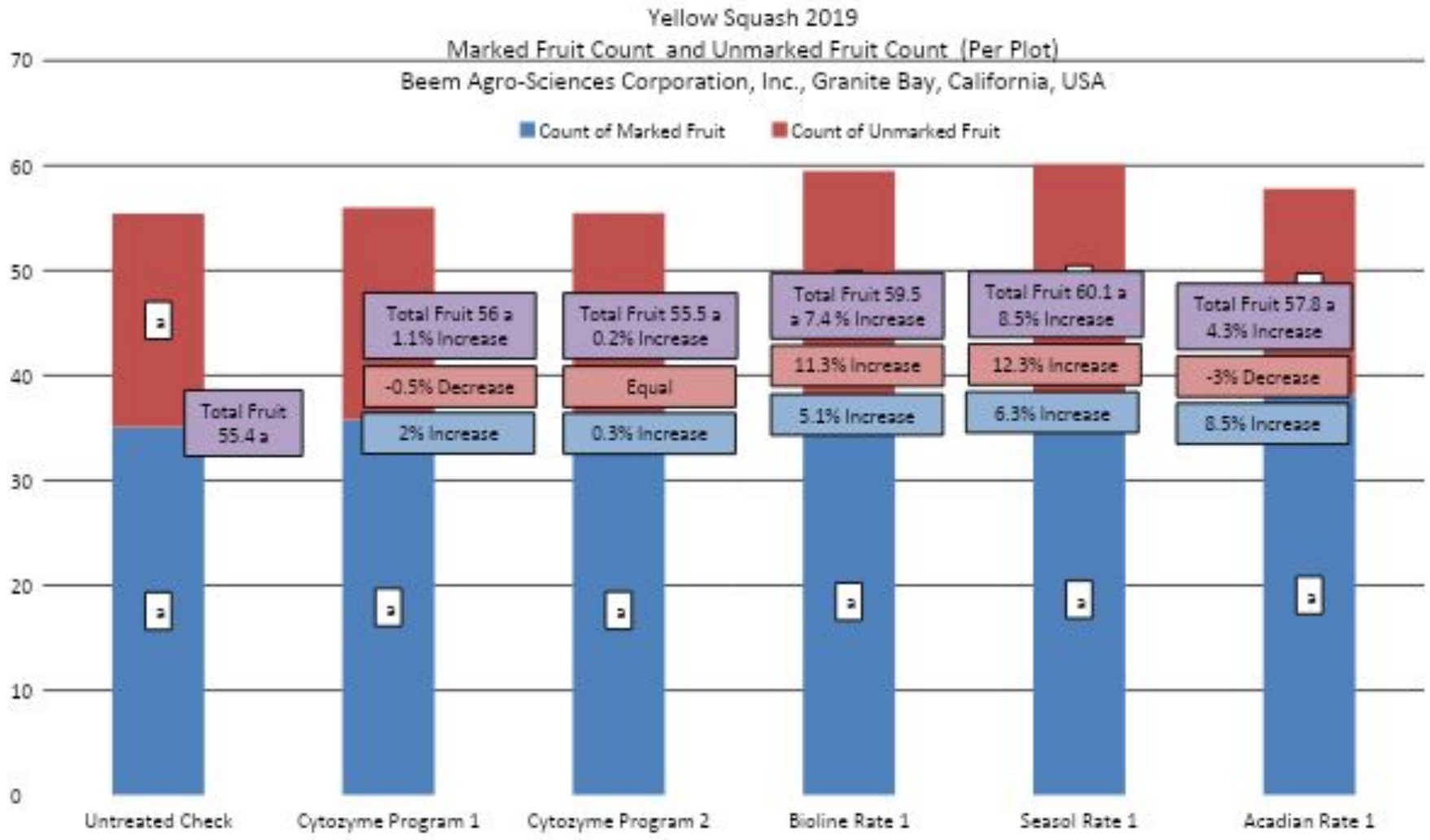
Project: PlantExtractCucurbits2019
Crop: Yellow Squash **Variety:** A02121
Trial ID: PlantExtractCucurbit2019A
Study Director: William R. Davis III, Davis Research and Development 805 Woodland, California, USA
Investigator: Lance Beem, Beem Agro-Sciences Corporation, Inc., Granite Bay, California, USA 95746
Sponsor Contact: Mike Canady, Cytozyme

Objective: The objective of the trial was to determine the impact of BioStimulants on Seed Production in yellow squash.
Location: Woodland California, USA
Plot Design: Randomized Complete Block Design (RCB)
Plot Size: Plot Width: 4 feet, Plot Length: 20 feet, Treated Plot Area: 80 square feet
Replicates: 6 Replicates per Treatment; 5 Treatments and an Untreated Check
Irrigation Method: Surface Drip Irrigation System
Planting Date: FP 6/7/2019 **Harvest Date:** 9/3/2019

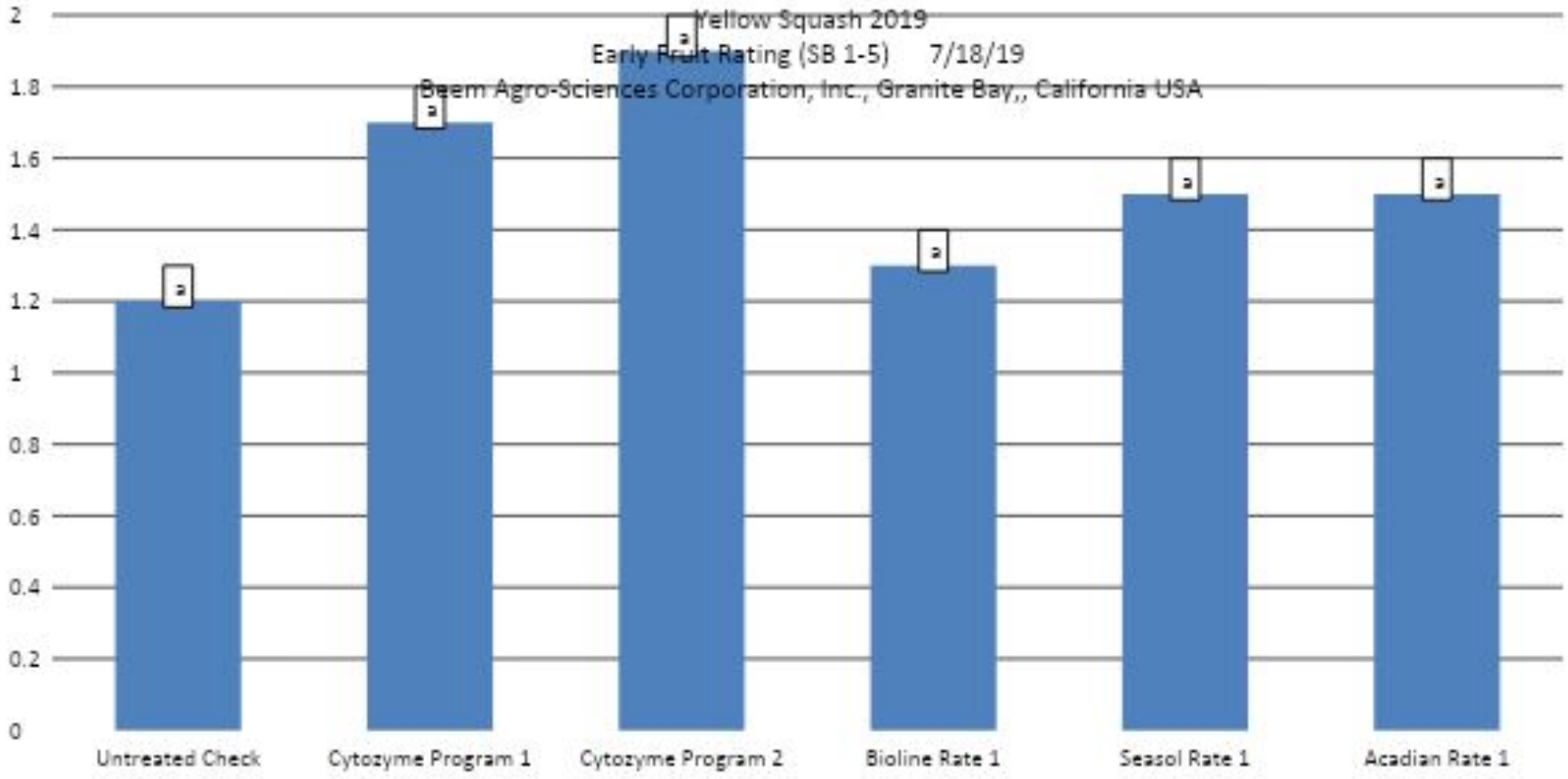
Beem Agro-Science Corp., Inc.

Squash Treatments							
Application #	Treatment 1	Application Date	Notes:	Application #	Treatment 2	Application Date	Notes:
1	At Transplant:	6/19/19	PTG50 @ 1:500	1	At Transplant:	6/19/19	PTG350 @ 1000ml/Ha
2	At Beginning of Flowering:	7/5/19	PTG50 @ 600 ml/Ha	2	At Beginning of Flowering:	7/5/19	PTG50 @ 600 ml/Ha PTG350 @ 1000 ml/Ha
3	At Fruit Set:	7/15/19	PTG50 @ 600 ml/Ha PTG90 @1000 ml/Ha	3	At Fruit Set:	7/15/19	PTG50 @ 600 ml/Ha PTG90 @1000 ml/Ha PTG350 @ 1000 ml/Ha
4	2 Weeks after Fruit Set:	7/30/19	PTG50 @ 600 ml/Ha PTG90 @1000 ml/Ha	4	2 Weeks after Fruit Set:	7/30/19	PTG50 @ 600 ml/Ha PTG90 @1000 ml/Ha
5	4 Weeks after Fruit Set:	8/15/19	PTG50 @ 600 ml/Ha PTG90 @1000 ml/Ha	5	4 Weeks after Fruit Set:	8/15/19	PTG50 @ 600 ml/Ha

* Application Dates for BioLine, Seasol, Acadian: 6/19/19, 7/9/19, 7/22/19

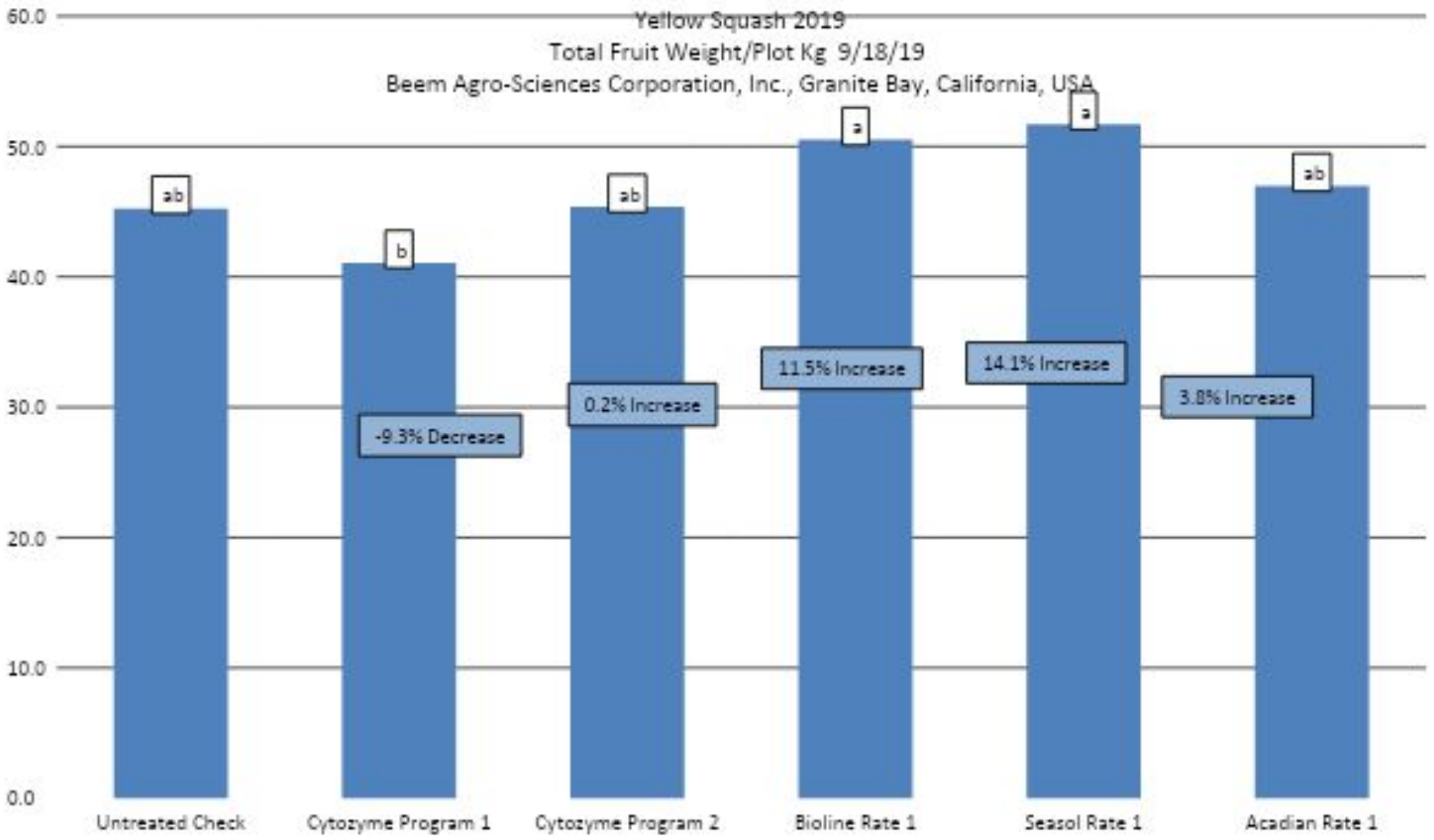


Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
t=Mean descriptions are reported in transformed data units, and are not de-transformed.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

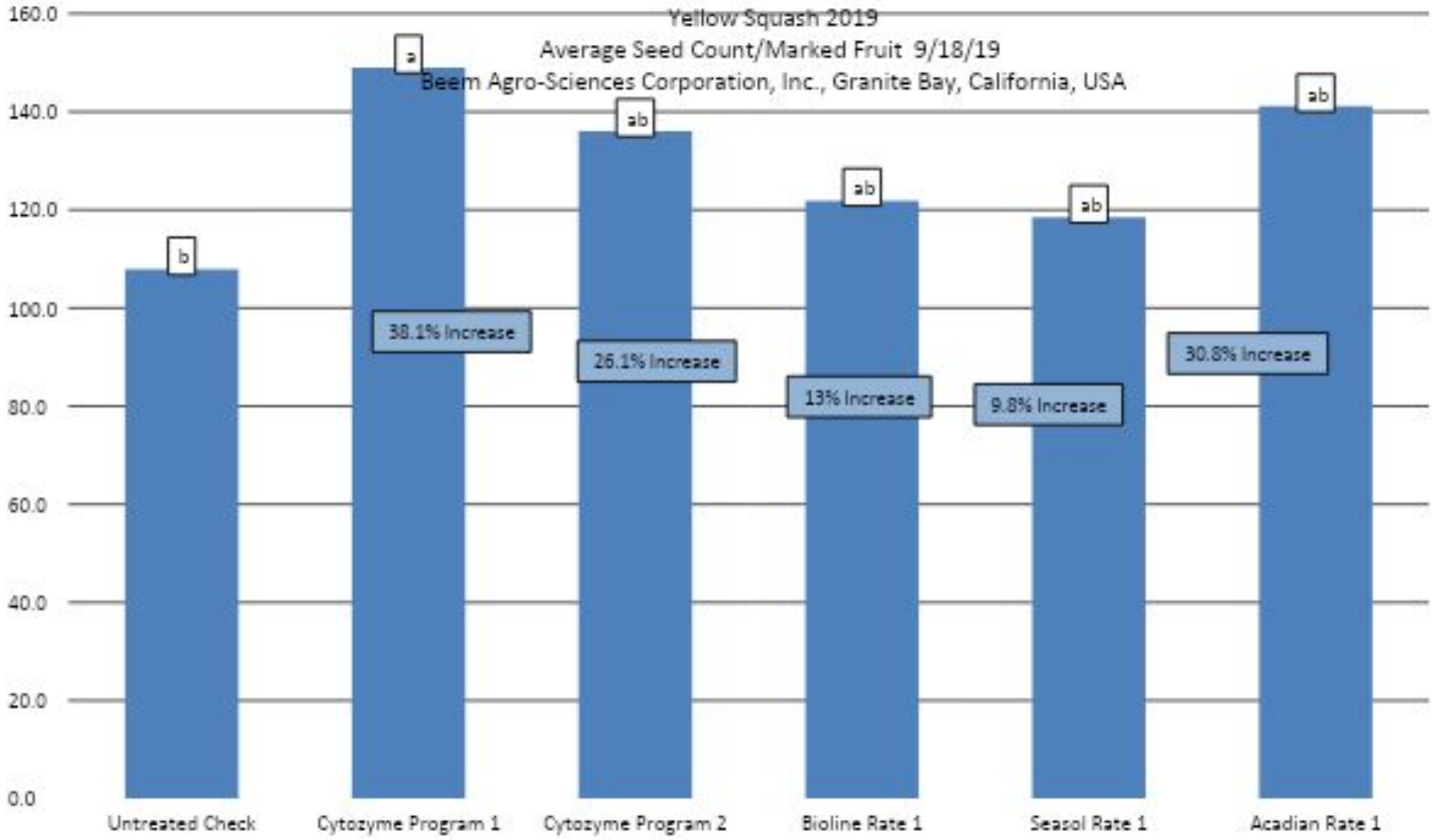


Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
t=Mean descriptions are reported in transformed data units, and are not de-transformed.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

SB 1-5 Rating	
1	Slough Stage
1.5	Almost slough stage
2	Slightly delayed fruit set compared to check.
2-3	Fruit set delayed. Product seem to cancel apical dominance. Noticed more side branching.
3	Seems to cancel apical dominance and promote side branching. Fruit setting delayed somewhat compared to check.



Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
t=Mean descriptions are reported in transformed data units, and are not de-transformed.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.



Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).
t=Mean descriptions are reported in transformed data units, and are not de-transformed.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.