

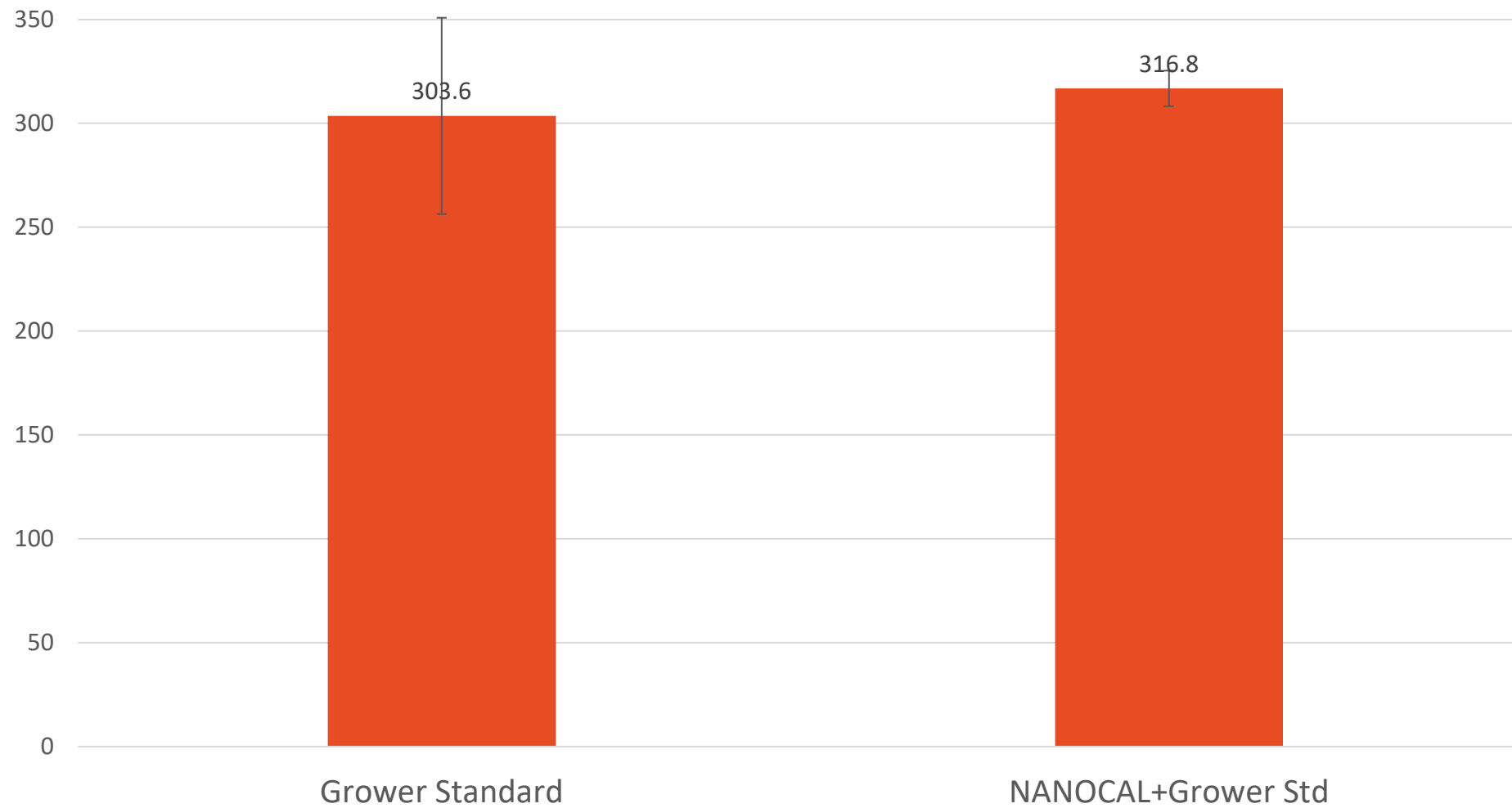
Evaluation of NANOCAL on potato



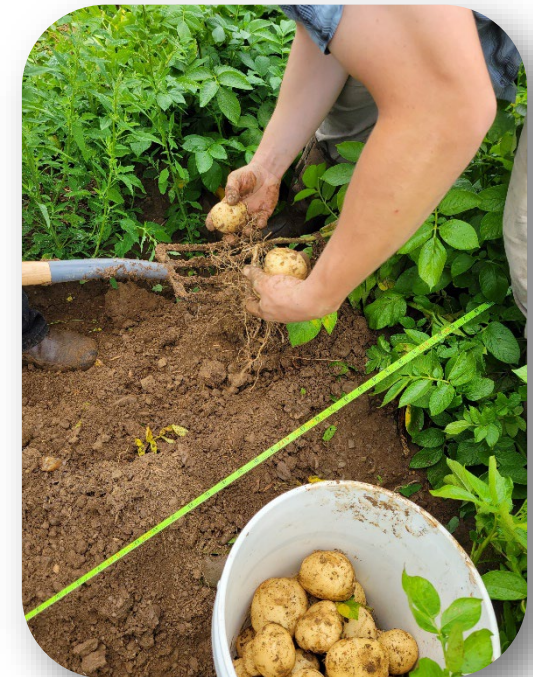
Growmark FS
Gainesville, NY
2022

Evaluation of NANOCAL on Potato

Yield (cwt/A), Mid-season harvest (Aug 22) *Formula used: ((Avg lbs/plant)*(43560 sq ft/A/2.5 ft)*(Avg # plants/10 ft))/ 100 lbs/1 cwt



 1320 lb/A increase in NANOCAL treated plots



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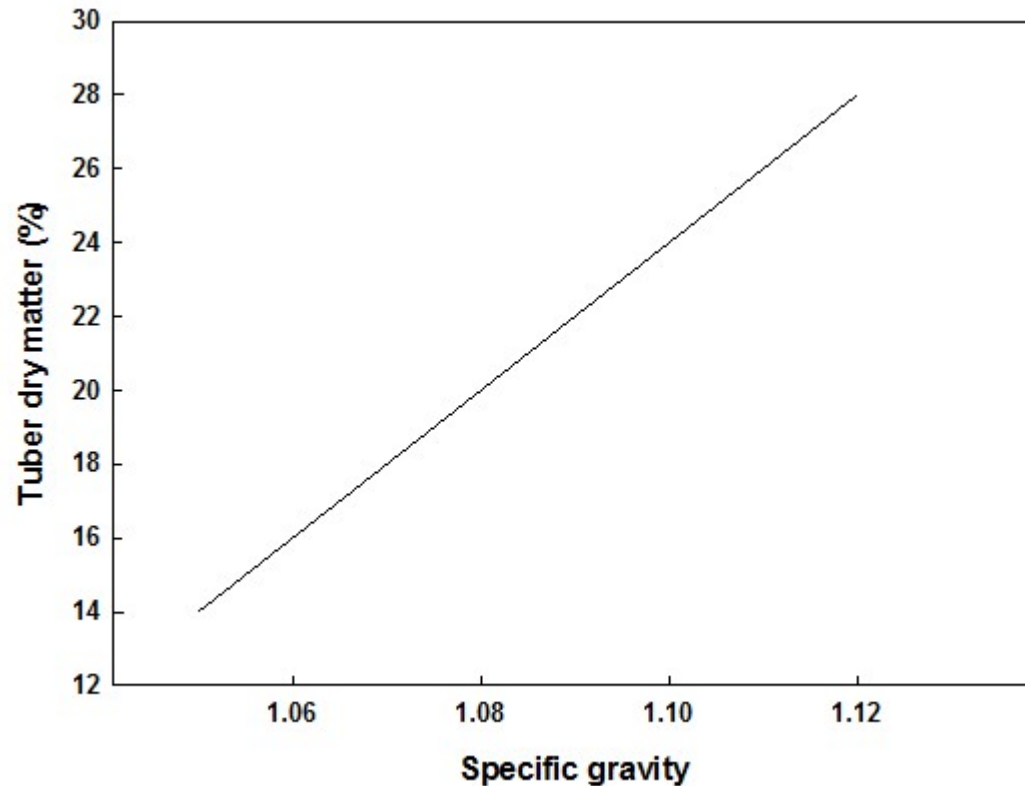
Bars with same letter not significantly different (n=5, p<0.05)

Application: NANOCAL @ 1 qt/A w/ herbicide
Row spacing: 30"
Ratings taken August 22, 2022

Variety: Atlantic

Growmark FS
Gainesville, NY

Relationship between Solid content and specific gravity



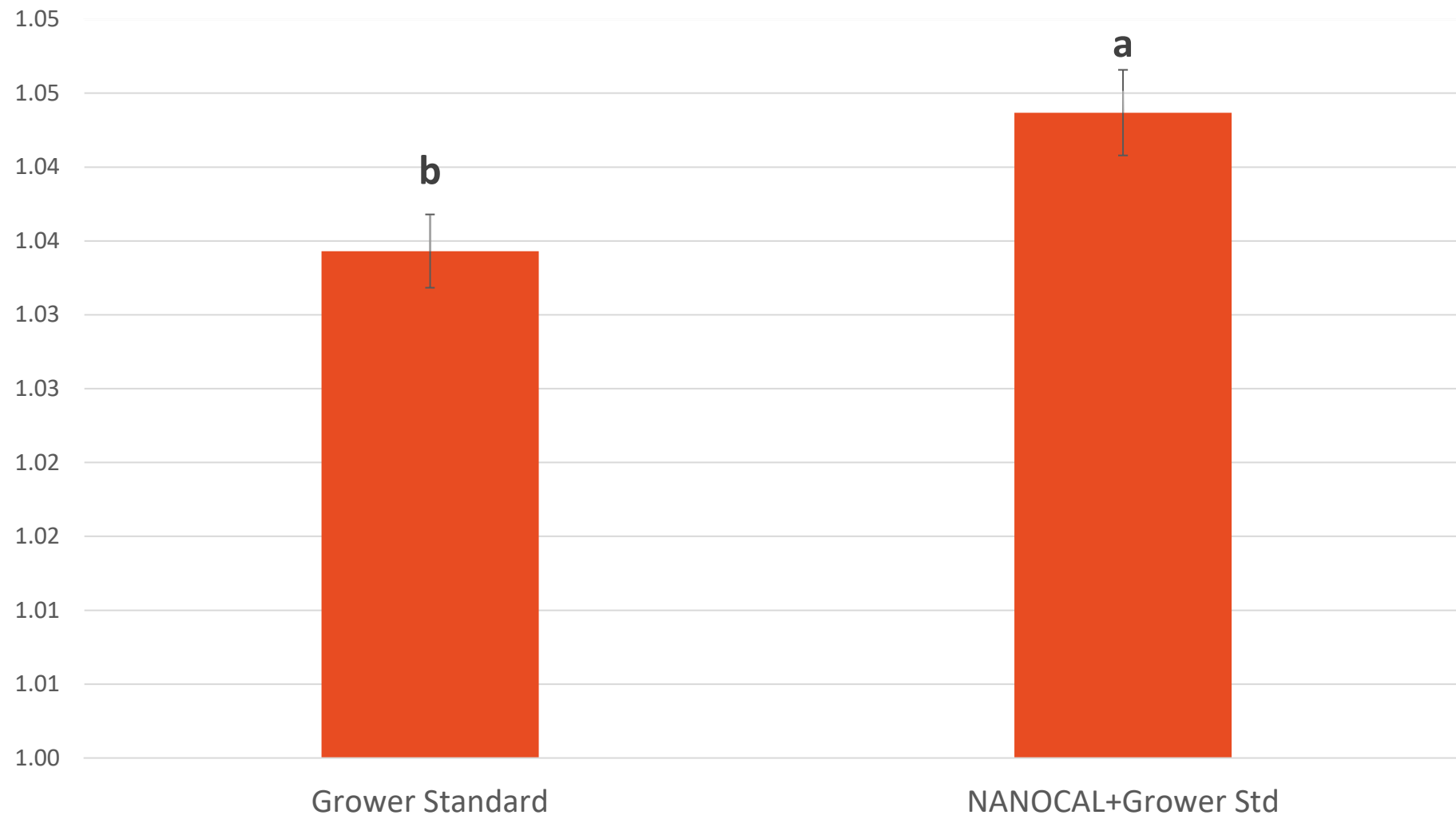
Specific Gravity


$$= \frac{\text{Weight (lbs) in air}}{(\text{Weight (lbs) in air} - \text{weight (lbs) water})}$$

Figure 1: Relationship between specific gravity and percentage dry matter in potatoes (Adapted from Instituut voor Bewaring en Verwerking)

Evaluation of NANOCAL on Potato

Specific gravity, Mid-season harvest



 **NANOCAL**
significantly
increased specific
gravity



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Bars with same letter not significantly different
(n=5, $p < 0.05$)

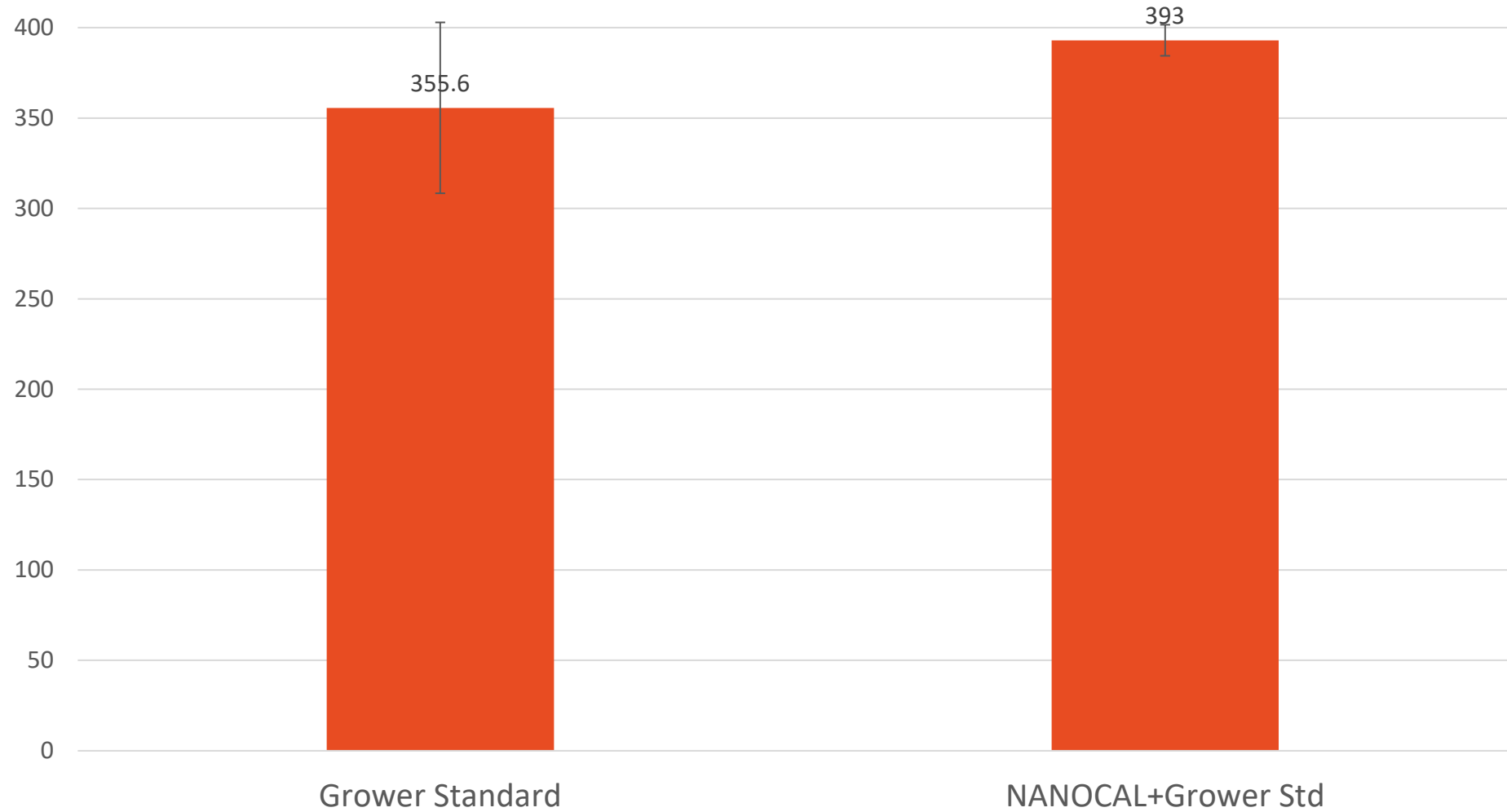
Application: NANOCAL @ 1 qt/A w/ herbicide
Row spacing: 30"
Ratings taken August 22, 2022


Variety: Atlantic

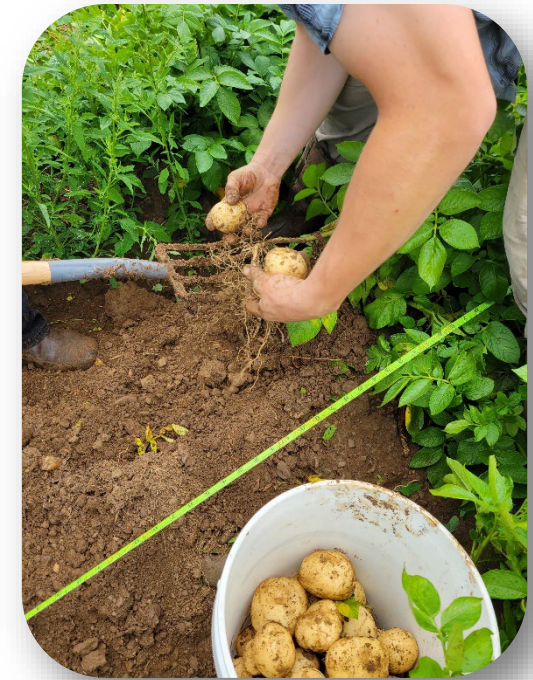
Growmark FS
Gainesville, NY

Evaluation of NANOCAL on Potato

Yield (cwt/A), Harvest (Sep 26) *Formula used: ((Avg lbs/plant)*(43560 sq ft/A/2.5 ft)*(Avg # plants/10 ft))/ 100 lbs/1 cwt



 3740 lb/A increase in NANOCAL treated plots



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Bars with same letter not significantly different (n=5, p<0.05)

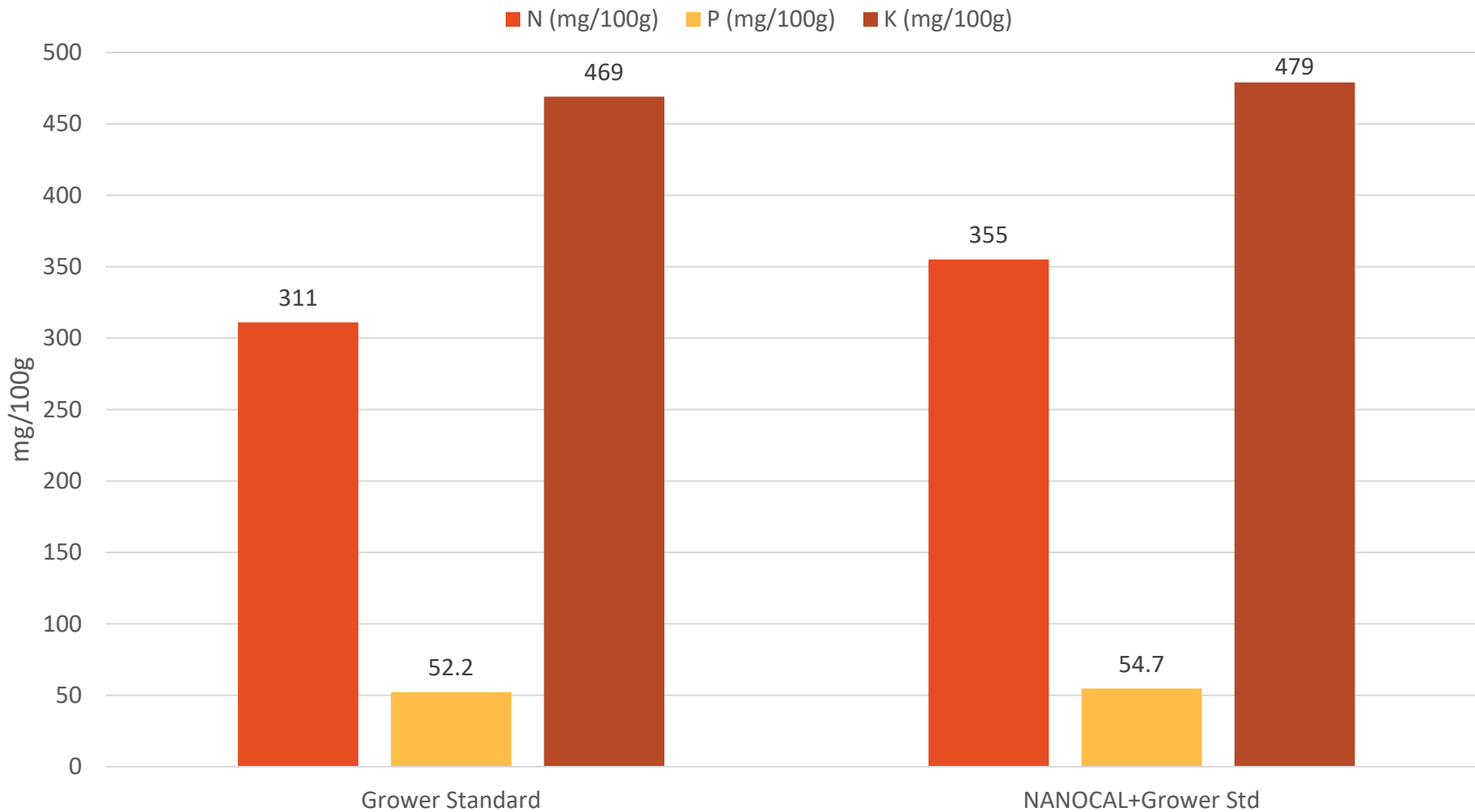
Application: NANOCAL @ 1 qt/A w/ herbicide
Row spacing: 30"
Ratings taken Sep 26, 2022

Variety: Atlantic

Growmark FS
Gainesville, NY

Evaluation of NANOCAL on Potato

Nutrient analysis (mg/100 g), Harvest (Sep 26)



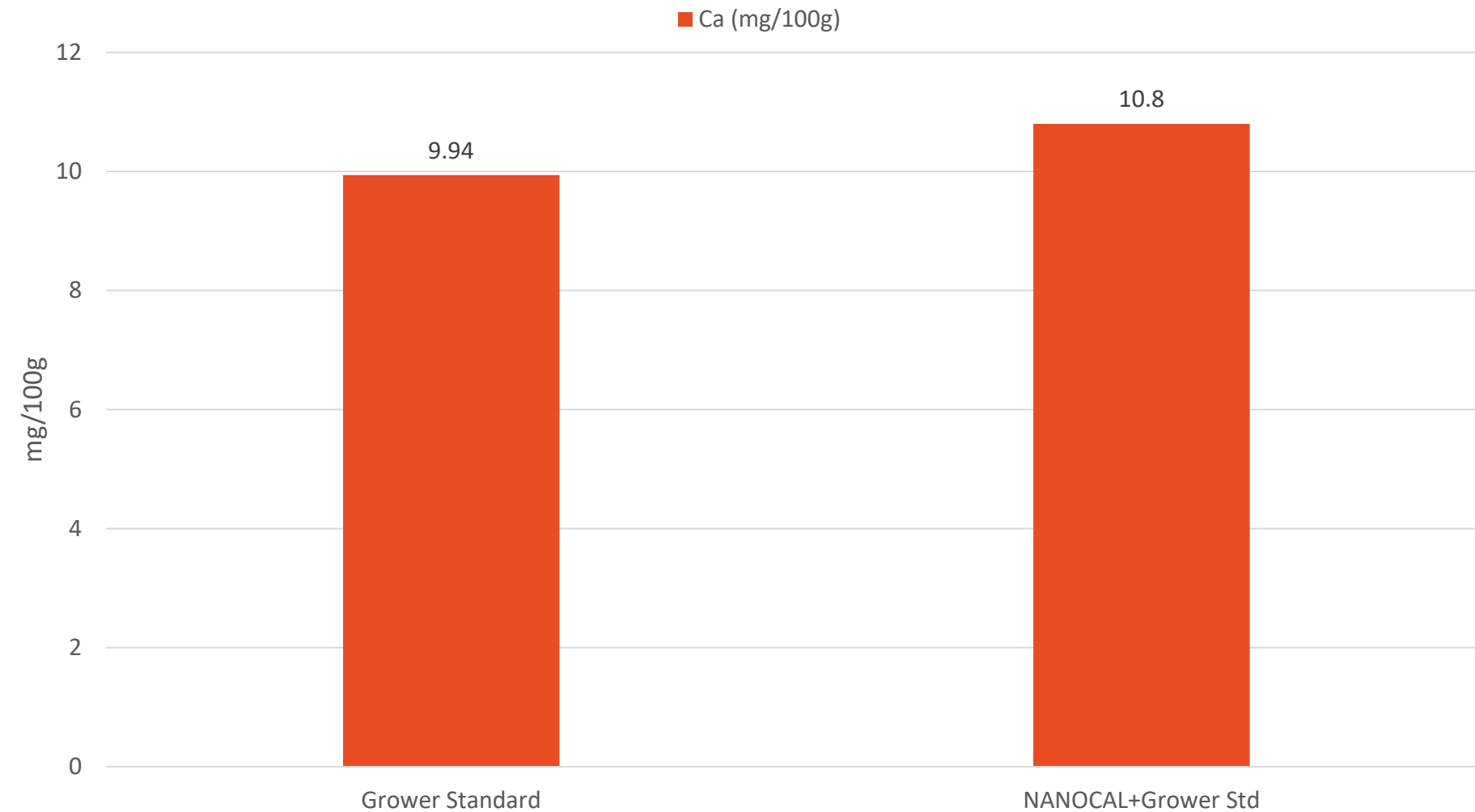
☾ Increase in all tuber macronutrients



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Evaluation of NANOCAL on Potato

Nutrient analysis (mg/100 g), Harvest (Sep 26)



NANOCAL
increased tuber
calcium content



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