



Conclusion Report: [REDACTED]

2/26/2020 (Planted) – 6/11/2020 (Harvest)

Overview

Crop & Acreage: Conventional, **Baby Potatoes**, Variety 2006
Design: Treated (T), [REDACTED] Urth block —40 acres
 Untreated (U), [REDACTED] control block —27 acres
 Bakersfield, CA
 Pre & Post soil sample analyses etc. available upon request.

Scheduled Treatment: Three soil applications (Day 0, 7 & 14)
 Product cost \$3,511 or \$87/acre.

- Trial Goals:**
- 1) Improve Stem production
 - 2) Improve Tuber Production

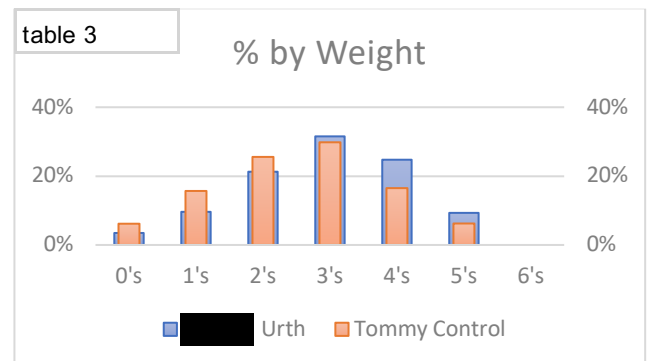
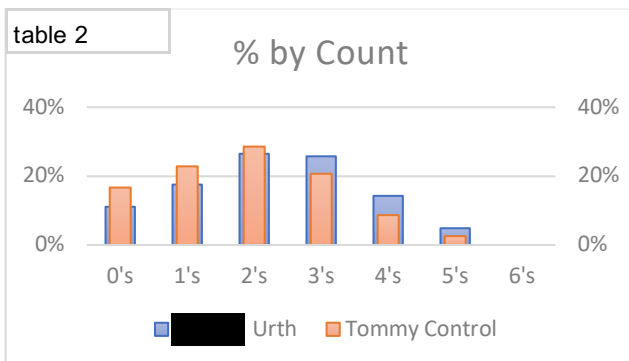
Treatment Deviations: Client unable to apply first application as scheduled.
 Day 0 treatment applied at Day 7, Day 7 applied Day 11, Day 14 applied Day 18.

Results

Third party harvest and analyses provided by grower (table 1, 2, 3).

Block		Gross yield per acre (CWT)	Tuber count per acre	Stems per hill	Tubers per stem
[REDACTED]	Urth" (Treated)	244	324,000	4	2.2
[REDACTED]	Control" (Untreated)	183	275,000	4.3	1.8

Treated vs Untreated		
		33% Increase in gross yield per acre
		18% Increase in tuber count
		7% Decrease in stems per hill
		22% Increase in tubers per stem



Conclusions

- Robust vegetative growth following application 2 & 3.
- Improved overall yield, tuber count, and percent of premium harvestable product.
 - Significant increase in growers target size potato (3's & 4's), greatest market value.
 - Reduced count of immature tubers, lowest market value.



Day 43 (4/9/20)

Day 67 (5/7/20)

Notes

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- Soil analyses - lab classified primary soil issues as extremely high sodium, high bicarbonates and low organic matter.
- Early application of Urth products are ideal to support stem development during early hook phase. Late applications delayed this activity.
 - Early applications delayed due to herbicide application.
 - Most herbicide MOA's kill microbial activity.
- Signs of superior tuber development, in the treated block, by day 39.
- Strong growth surpassed the untreated in size and vigor by burn down.
- Relatively strong vegetative growth continued after burn down/desiccation in the treated block.