

**Solu-Cal for Specialty Ag in Field Trials** In a trial conducted in Summer of 2020 at Hershev Farm, He

In a trial conducted in Summer of 2020 at Hershey Farm, Hershey, PA; peppers

and tomatoes treated with (1) Solu-Cal PLUS Granular and (2) Intensi-Cal Liquid Calcium with Microbes

(2) Intensi-Cai Liquid Caicium with Microbes

performed significantly better by harvest than control and pelletized lime treatments.

**Summary** -Value of Calcium – when compared to Grower Standard, larger vegetable size resulted and also an increase in yield. Quality and growth were most significantly improved with applications of with (1) Solu-Cal PLUS Granular and (2) Intensi-Cal Liquid Calcium with Microbes

## **Effects on Yield: PEPPER**

<b>Control</b> Grower standard fertility, no Gypsum or lime	<b>Grower Standard</b> Calcitic lime and fertility applications, standard Calcium Nitrate in drip	<i>Solu-Cal PLUS</i> at 550 lbs./A, fertility equalized, standard Calcium Nitrate in drip	Solu-Cal PLUS and INTENSI- Cal Solu-Cal Plus at 550 lbs./A, fertility equalized, full rate of Intensi-Cal L in drip
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## Effects on #1 Grade Harvest from 8 Plants: PEPPER

<b>PEPPER</b> From 8 Plants		Number	Weight (lb)	% by #	% by Wt	wt/Fruit	Yield (box/A)	
NO Cal	Total	46	18.9			0.41	633.3	
	#1	37	15.8	80.4	83.6	0.43	529.4	
Grower Standard (Lime)	Total	66	24.8			0.38	<mark>831.0</mark>	
	#1	44	<mark>18</mark>	66.7	<mark>72.6</mark>	<mark>0.41</mark>	<mark>603.1</mark>	
Solu-Cal Plus	Total	61	25.2			0.41	844.4	
	<mark>#1</mark>	44	<mark>20.3</mark>	72.1	<mark>80.6</mark>	<mark>0.46</mark>	<mark>680.2</mark>	<mark>+ 13% vs. GS</mark>
Solu-Cal Plus + Liquid	Total	72	26.5			0.37	<mark>888.0</mark>	<mark>+7% vs. GS</mark>
Intensi-Cal L	<mark>#1</mark>	<mark>51</mark>	<mark>22.2</mark>	70.8	<mark>83.8</mark>	<mark>0.44</mark>	<mark>743.9</mark>	<mark>+ 23% vs. GS</mark>

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## **Effects on Yield: TOMATO**

**Control** Grower standard fertility, no Gypsum or lime **Grower Standard** Calcitic lime and fertility applications, standard Calcium Nitrate in drip *Solu-Cal PLUS* at 550 lbs./A, fertility equalized, standard Calcium Nitrate in drip Solu-Cal PLUS and INTENSI-Cal Solu-Cal Plus at 550 lbs./A,

fertility equalized, full rate of Intensi-Cal L in drip



## Effects on #1 Grade Harvest: TOMATO

Control	Grower Standard	Solu-Cal PLUS	Solu-Cal PLUS and INTENSI-
Grower standard fertility,	Calcitic lime and fertility	at 550 lbs./A, fertility	Cal
no Gypsum or lime	applications, standard	equalized, standard	Solu-Cal Plus at 550 lbs./A,
	Calcium Nitrate in drip	Calcium Nitrate in drip	fertility equalized, full rate
			of Intensi-Cal L in drin



ΤΟΜΑΤΟ		Number	Weight (Ib)	% by #	% by Wt	wt/Fruit	Yield (box/A)	
No Cal	Total	77	43.1			0.56	611.9	
	#1	52	30.8	67.5	71.5	0.59	437.3	
Grower Standard (Lime)	Total	87	44.8			0.51	636.1	
	#1	51	29.2	58.6	65.2	0.57	<mark>414.6</mark>	
Solu-Cal Plus	Total	83	52.7			0.63	748.3	
	#1	59	38.7	71.1	73.4	0.66	<mark>549.5</mark>	<mark>+ 36% vs. GS</mark>
Solu-Cal Plus + Liquid	Total	88	51.0			0.58	<mark>724.1</mark>	<mark>+14%</mark> vs. GS
	#1	62	38.8	70.5	76.1	0.63	<mark>550.9</mark>	<mark>+ 33%</mark> vs. GS