

### Solu-Cal for Specialty Ag in Field Trials

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 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	<b>Solu-Cal PLUS</b> at 550 lbs./A, fertility equalized, standard Calcium Nitrate in drip	<b>Solu-Cal PLUS and INTENSI-Cal</b> 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

PEPPER		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	831.0	
	#1	44	18	66.7	72.6	0.41	603.1	
Solu-Cal Plus	Total	61	25.2			0.41	844.4	
	#1	44	20.3	72.1	80.6	0.46	680.2	+ 13% vs. GS
Solu-Cal Plus + Liquid Intensi-Cal L	Total	72	26.5			0.37	888.0	+7% vs. GS
	#1	51	22.2	70.8	83.8	0.44	743.9	+ 23% vs. GS

## Effects on Yield: TOMATO

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

<b>Control</b> Grower standard fertility, no Gypsum or lime	<b>Grower Standard</b> Calcitic lime and fertility applications, standard Calcium Nitrate in drip	<b>Solu-Cal PLUS</b> at 550 lbs./A, fertility equalized, standard Calcium Nitrate in drip	<b>Solu-Cal PLUS and INTENSI- Cal</b> Solu-Cal Plus at 550 lbs./A, fertility equalized, full rate of Intensi-Cal L in drip
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TOMATO		Number	Weight (lb)	% 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	414.6	
Solu-Cal Plus	Total	83	52.7			0.63	748.3	
	#1	59	38.7	71.1	73.4	0.66	549.5	+ 36% vs. GS
Solu-Cal Plus + Liquid	Total	88	51.0			0.58	724.1	+14% vs. GS
	#1	62	38.8	70.5	76.1	0.63	550.9	+ 33% vs. GS