



### 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 with INTENSIFY Microbes 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 with INTENSIFY 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> Calclitic lime and fertility applications, standard Calcium Nitrate in drip	<b>Solu-Cal PLUS with INTENSIFY</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 irrigation
---	---	---	---



### Effects on Overall Yield and #1 Grade Harvest

PEPPER 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	831.0	
	#1	44	18	66.7	72.6	0.41	603.1	
Solu-Cal Plus with INTENSIFY	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 with INTENSIFY + 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



Calcium is an extremely difficult nutrient to move within the plant. When a soil test shows adequate calcium levels, the plant still may not take up enough for a variety of reasons. Even once the calcium is inside the plant, as indicated in tissue samples, it may not move to the fruit in sufficient quantities. Plant health and amount of available water being taken up by the plant are major factors in calcium movement.

