



This soil-applied calcium product is able to do many things from fertility to rapid pH adjustment and structural improvement. With its microscopic size and high percentage of pure calcium, Phoenix is one product every soil program will need.

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- Improved microscopic size enhances plant assimilation and utilization.
- Higher levels of soil calcium will improve overall plant cell wall structure.
- Available calcium in the soil will improve overall soil flocculation and aggregation.
- Due to the particle size, pH adjustment can be rapid and efficient.

APPLICATION GUIDELINES & INSTRUCTIONS – (ALWAYS SHAKE OR STIR WELL PRIOR TO USE)

INJECTION: Apply 1 to 5 gallons/acre (10 to 50 liters/hectare), apply in the first half of the irrigation set after the lines have been charged to allow lines to flush and move product into the soil. Apply every 30 days or as needed.

SPRAY APPLICATION: Apply 1 to 5 gallons/acre (10 to 50 liters/hectare), apply with sufficient water to assist product to move into the soil profile. Apply every 30 days or as needed.

pH ADJUSTMENT: SOIL pH - 4.5 to 5.5 apply 4 to 10 gallons/acre (40 to 100 liters/hectare)

SOIL pH – 5.5 to 6.5 apply 3 to 8 gallons/acre (30 to 80 liters/hectare)

Rapid pH Adjustment within 2 weeks			
Location	Before	After	Rate per Acre
California	5.85	6.97	3 gallons
California	5.68	6.76	3 gallons
Oregon	5.33	6.65	3 gallons
Russia	5.41	6.83	6 gallons

pH adjustment at various depths 1.5 gallons/month x 4 apps		
Untreated	Depth	Treated
5.4	Surface	7.6
5.3	5 cm (2 inches)	7
5.2	15 cm (6 inches)	6.5

Calcium % Saturation	
Treatment	14 DAT
Control	48.2
3 gal/A	51.6
5 gal/A	53
7 gal/A	55.4

Foliar Calcium Uptake Potential			
Crop	Untreated	Treated	% Increase
Wine Grape (Viognier)	25 mg/100 g	33 mg/100 g	24%
Apples (Granny Smith)	3 mg/100 g	8 mg/100 g	63%
Rice (Common)	21 mg/100 g	25 mg/100 g	18%

Crop	Location	Treated	Untreated	Difference
Rice	LA	6998 lbs	5735 lbs	1263 lbs
Corn	SD	157 bu.	140 bu.	17 bu.
Cotton	CA	1898 lbs	1595 lbs	303 lbs
Beans	ID	117 bu.	88 bu.	29 bu.

