

SOIL HEALTH

PeneCal™ Outperforms Solution-Grade Gypsum

WATER PENETRATION

RESEARCH OBJECTIVE

The purpose of this trial was to measure the impact of PeneCal™ on water penetration compared to a solution-grade gypsum program. The trial evaluated soil with significant water penetration problems.

KEY OUTCOMES

Solution-grade gypsum indicated optimum penetrometer readings to 4 inches. The PeneCal™ program indicated optimum penetrometer readings to 18 inches (season composite). The PeneCal™ program was about 60% less costly than the gypsum program. This excludes labor and application equipment costs, which were higher for the gypsum program.

BACKGROUND

Poor water penetration is a key limiting factor on many crops. An evaluation of two different inputs was conducted for comparison purposes.

THE TRIAL



WHO:

Redox R&D staff in cooperation with a grower.



WHAT:

Product	Rate	Timing
PeneCal™	0.5 gals./acre	1st Application
	0.25 gals./acre	At 45 day intervals
Solution Gypsum	3 meq/L	Each irrigation for entire season (1456 lbs./acre)

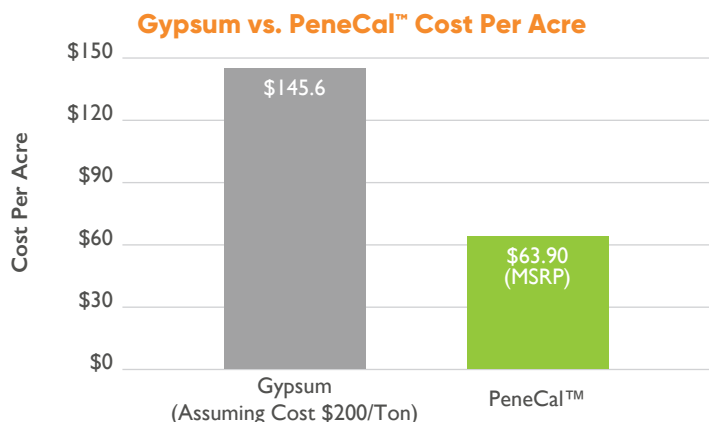


EVALUATION PARAMETERS:

- Penetrometer readings at two-inch intervals to 18"



WHERE: Kern County, CA



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