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Cal Armor™

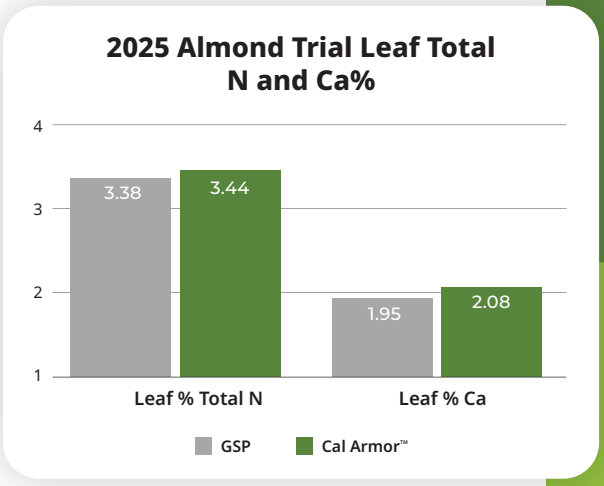
A liquid fertilizer enhancer derived from calcium compatible humic acid. Cal Armor contains 3.3% Humic Acid and 3% K2O by weight.



Calcium fertilizers are generally inefficient at supplying calcium to crops. Calcium rapidly binds to open exchange sites on soil particles. Calcium also has an affinity for binding to phosphate in the soil, becoming insoluble. Maintaining calcium availability in the soil is essential to supplying soluble calcium to crops.

Humic acids are widely used for their ability to protect fertilizer ions from soil tie-up and to improve soil chemistry. As a general rule, humic acids cannot be applied with calcium.

A 20 acre demonstration plot to evaluate the yield benefits of Cal Armor on almonds was conducted in Central California in a commercial orchard. Cal Armor was applied 3 times in the spring (by fertigation) with CN9 at a use rate of 2 quarts/acre.



Early season tissue samples showed an increase in leaf Ca and total N from Cal Armor.

Cal Armor is calcium compatible humic acid

- Protects the calcium in your fertilizer solution and enhances plant uptake of both calcium and nitrogen.
- Shown to increase soil exchangeable calcium throughout the active root zone. Exchangeable calcium in the soil solution is the calcium that is available for plant uptake.
- Shown to increase leaf tissue calcium and Total N.



Don't let your calcium fertilizer go out unprotected!

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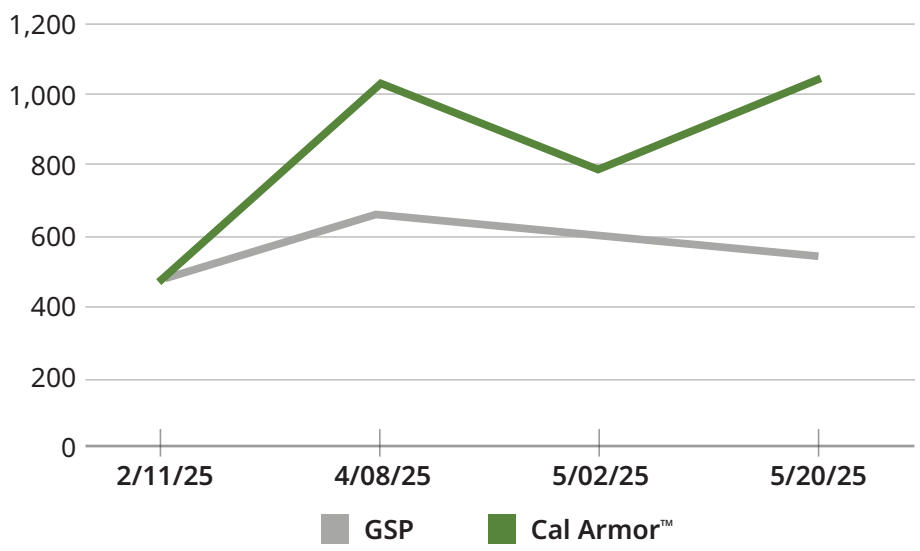
Soil samples were taken at regular intervals and results demonstrate increased soil exchangeable Ca from Cal Armor.

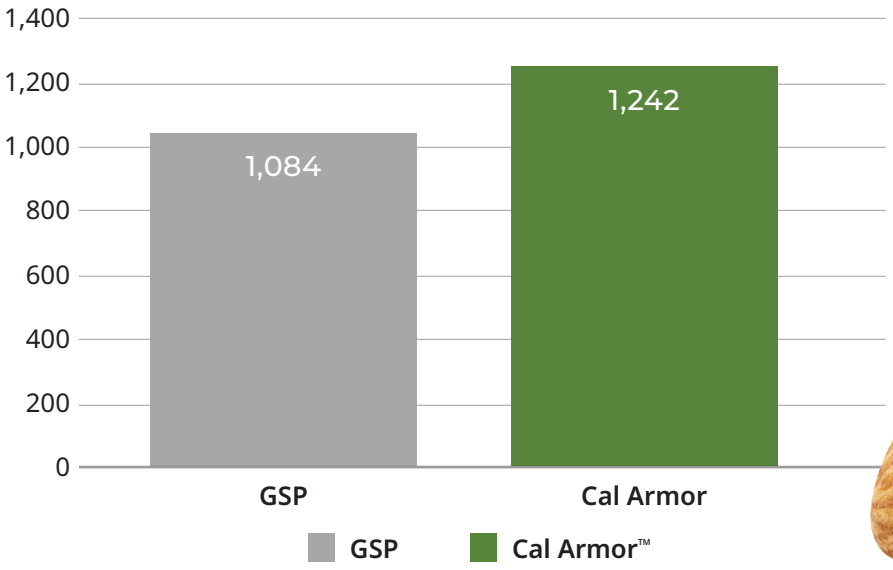


2025 Cal Armor Almond 6-12" Soil xCa ppm



2025 Nonpareil Almond Cal Armor Kernal Yield

(lbs/acre)



The block was commercially harvested, and results indicate a 13% yield increase from Cal Armor with no loss of nut size.



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