

# The **PRE-PLANT** **Solution**

Unlock the Potential of Your Soil  
BEFORE You Plant Your Orchard or Vineyard

Healthy soil means healthy crops. Proper pH balance in the soil frees up vital soil nutrients, enhances soil microbial activity and helps irrigation water move freely and effectively through the root zone. Trees and vines get off to a better start, enjoy improved plant vigor and produce better yields and better profits.

The best time to properly prepare and amend your soil is before you plant, and when you make Verdegaal Brothers a part of your preplanting preparation, your permanent crops get off to a better start.

The application of Verdegaal Brothers' sulfuric acid is one of the most effective ways of lowering soil pH before you plant.

**Call Verdegaal Brothers today.**  
**We have the solutions to help you grow.**



**VERDEGAAL  
BROTHERS,  
INC.**®

13555 S. 11th AVENUE • HANFORD, CA 93230 • (559) 582-9205 • (888) 742-8728  
FAX (559) 582-4274 • [www.verdegaalbrothers.com](http://www.verdegaalbrothers.com) • Email: [verdegaal@verdegaalbrothers.com](mailto:verdegaal@verdegaalbrothers.com)

# As Easy as 1-2-3

## Orchard and Vineyard Pre-Plant Preparation

When preparing to plant a permanent crop, soil tests should be taken and the results evaluated to determine if soil amendments are needed to help produce a successful orchard or vineyard. One set of soil samples should be taken for each soil type in the field and at each foot of depth in which the roots will grow. If the soil sample results show high pH and high free lime or calcium carbonate, call Verdegaal Brothers for a pre-plant application of sulfuric acid in the plant row to get crops off to a healthy start.

The tree or vine row should be ripped with a single shank. An alternative is to run a ditch maker, making a large furrow down each row. An application of Verdegaal Brothers sulfuric acid is custom applied in the furrow. Pre-irrigation is then done to neutralize and distribute the sulfuric acid. A soil test taken in the rip line or in the bottom of the furrow following the irrigation will confirm that soil is now at a proper pH and it is safe to plant the orchard or vineyard. If done properly, your plants can now get off to a healthy and vigorous start.

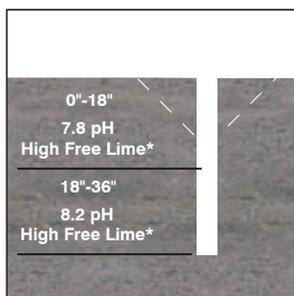
Verdegaal Brothers also offers effective solutions to high pH conditions in irrigation water that can also improve crop productivity. Verdegaal injector systems balance irrigation water pH, help keep irrigation lines, sprinklers and emitters clean and help promote long-term soil pH for optimum growth and yields.



Above, planting rows are furrowed out or ripped prior to application. Middles are disced to allow application. Below, orchard after a pre-plant application at one ton per acre of sulfuric acid. One row was untreated.

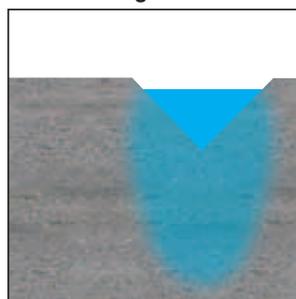


**Before Application**



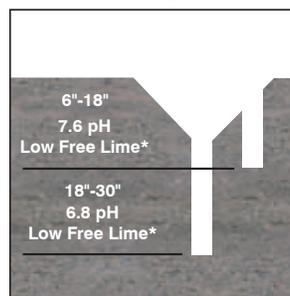
Soil samples are taken to determine soil pH and free lime levels.

**Irrigation**



The planting line is ripped or ditched, sulfuric acid applied and the furrow is flood irrigated.

**After Irrigation**



Soil is retested, showing lowered pH and free lime in the root zone.

*\* Actual results as sampled and confirmed by D & D Agricultural Laboratories, Inc., of Fresno, CA*



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