

Increasing Your Profits Per Acre

BIO S.I Program for Oranges, Grapefruits, Lemons, Lime



The Bio S.I. program for orchards is easy and beneficial for the trees, soil, and production. This is a three step program that has been used in many different areas and on many different types of citrus. This program involves the following Bio S.I. products, Bio S.I. Ag Formula + Humus for treating the soil, Bio S.I. Select for the treatment of seed, transplants or roots, and SD 25 for recycling the leaf/stem debris left behind after harvest. Each product is unique and has a distinct role to play in the program for citrus production. Bio S.I. products come “ready to use”. There is no mixing, no fermenting, or other steps that

have to be done. Unlike other inputs, Bio S.I. products are not consumed by the plant, but continue to build with each application.

Benefits for your soil and trees:

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|----------------------------------|------------------------------------|
| Reduced tree stress | Vigorous root system |
| Build soil humus (carbon) | Help reduce root disease |
| Better quality fruit | Improves nutrient cycling |
| Improved water efficiency | Early maturity of the fruit |



“Bio S.I. Technology showed innovation in increasing plant vigor and leadership in reducing the use of pesticides. I...commend your efforts in working toward a greener environment and providing leadership in pest management.”

– California Department of Pesticide Regulation
A Department of the California Environmental Protection Agency

Letter from DPR to BioSI dated December 20, 2013

“I have never seen a product that can be so beneficial to agricultural production. Proper application of BioSI’s products will reduce water consumption, decrease the amount of herbicides and nitrogen used and will increase crop yields per acre. And it is 100% natural so even the environmentalists those of us in agriculture have to deal with on a regular basis would be happy with its application...”

– Mike Stoker, Former Chairman California Agricultural Labor Relations Board



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Step 1

Ag Formula + Humus is used from trunk to trunk in orchards of all types. Soil between the tree rows need treatment as well under the tree's canopy. Use 12 -20 ounces per acre initial treatment then 4 – 6 ounces/month.

Benefits of Using Ag Formula:

Increase biological activity & diversity
Reduce crusting
Improve root mass
Improve quality of product (fruit)

Reduce pathogens
Improve water infiltration
Improve humus (carbon) level
Improves soil aggregation

Step 2

Bio S.I. Select adds beneficial soil borne microbes and beneficial mycorrhizae to the soil that align with the roots to help protect against pathogens but they also work to feed the tree nutrients it needs for growth. Mycorrhizae also help bring nutrients back to the tree that it would not normally be able to get from the soil. Use on existing trees: 1-3 pints per acre from the trunk to the drip line. Root treatment: Spray onto roots just prior to planting or dip in solution with 20 gallons water and 16 ounces of Select.

Benefits of Using Select:

Improve nutrient availability to trees
Improve soil tilth
Improved root mass
Improved soil humus

Keep pathogens out of root zone
Improve plant vigor
Improved water efficiency
Improved plant production



Step 3

After harvest apply 20 – 25 ounces per acre of the **Bio S.I. SD 25** (stubble digester) to breakdown any leaf or stem debris left after harvest. Don't burn or haul this away. Let the microbes convert this valuable resource to humus to hold water and nutrients in the soil. Plus, you are recycling nutrients you have already paid for.

Benefits of Using SD 25:

Recycle nutrients already paid for
Aerates the soil
Removes debris that pathogens may over winter in

Reduce fertilizer inputs
Improved water penetration
Converts plant debris to humus



Use SD 25 now to start recycling the nutrients that your crops leave behind.

See our web site for more information or contact Bio S.I. Technology, LLC for a distributor in your area.



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