

Increasing Your Profits Per Acre

BIO S.I Program for Strawberry, Blueberry, Raspberry, Bayberry, Blackberry, Hackberry and others



Bio S.I. program for berries is easy and beneficial for the plants, soil, and production. This is a three step program that has been used in many different areas and on many different types of crops. This program involves three Bio S.I. products, Bio S.I. "Select" over the seed or drenching the transplants, Bio S.I. Ag Formula + Humus to

be applied to the soil, and after harvest the Bio S.I. SD 25 for stubble (residue) digestion. Each product is unique and has a distinct role to play in the program for the berries and the soil. Bio S.I. products come ready to use, no mixing, no fermenting.



"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





Step 1

On new fields or fields that are being planted or replanted use the **Ag Formula + Humus** broadcast at a quart per acre pre-plant. The purpose of this treatment is to build the biology numbers and diversity in the soil over the entire field. This will help reduce the negative effects of the pathogens. Using 4-6 ounces of Bio S.I. Ag Formula every other week keeps the biological activity high and reduces disease pressure.

Benefits of Using Ag Formula:

Improves biological diversity in the soil
Water efficiency is improved
Reduces crusting and compaction
Improves quality of berries

Reduces pathogenic activity
Nutrient efficiency is improved
Builds Humus in the soil
Improves soil tilth



Step 2

Bio S.I. Select is used over seeds or as a drench for transplants/cuttings. Use it to treat transplants, cuttings, seeds, or drench for dry root transplants. In the green house use the "Select" over the plants in the trays at a rate 16 ounces for the treatment of 52,000 2" plants in trays, 18,600 6-9 inch bare rooted plants, and for cuttings – mix one pint of "Select" per 3 gallons of water and dip cuttings in the solution or spray this mixture over the roots of cuttings laid out on a table or ground. Do not use filters smaller than a #70. Mycorrhizae can't pass through it. Seeds: Use 6 ounces of "Select" per acre over the seed in the bed (40 inch spacing). Spray may be directed onto the seed or to the side of the seed but as close as possible.

Benefits of Using Select:

Improves seed germination
Water efficiency is enhanced
Builds humus content of soil
Reduces input costs

Improves quality of berries
Nutrient efficiency is improved
Increases biological diversity
Reduces disease pressure



Step 3

SD 25 (stubble digester) A natural way to handle crop debris. After harvest is completed, use SD 25 to recycle the nutrients that are tied up in the residue/stubble in the field. This is a valuable resource for building carbon in the soil. Use 15 to 20 ounces of SD 25 per acre along with 15 to 20 units of Nitrogen and a pint of humic acid to start breaking down the residue in your fields today. Fertilizer costs continue to go up so you may as well off set some of that cost by recycling what you have already paid for. It also improves water absorption into the soil, loosens the soil and improves the soil tilth. The International Plant Nutrition Institute values residue from around \$80 (dollars) per acre to \$175 (dollars) per acre. This depends on the amount of residue and the crop grown. So don't sell it for less than it is worth. If you own the land or have a long term lease it is too valuable to sell if you only consider the carbon value.

Benefits of Using SD 25:

Improved nutrient cycling
Better breakdown of plant debris
Improves water penetration
Removes place for pathogens to overwinter

Reduces plant stress
Build soil humus (carbon)
Improves soil tilth
Reduces input costs

Bio S.I. offers this three step program growing better berries. You may choose to use all three or select two steps that work for your farming program. Each time you use these steps they help to rebuild the soil humus, restore soil tilth, and renew microbial life which feeds your crops.



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