

Increasing Your Profits Per Acre

BIO S.I Program for Lettuce, Cabbage, Kale, Spinach, and Others



Bio S.I. program for leafy vegetables 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 vegetables and the soil. Bio S.I. products come ready to use.



"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 (surface application or through irrigation water). **Ag Formula** is used at 20 – 32 ounces per acre pre-plant over the surface of the soil. The purpose of this treatment is to build the biology numbers and diversity in the soil over the entire field. We also recommend applying 4-6 ounces per acre during the growing season. This will help reduce the negative effects of the pathogens. Ag Formula comes ready to use.

Benefits of Using Ag Formula:

Increase biological activity
 Improve water efficiency
 Increase root mass/vigor
 Reduce run-off

Reduce crusting
 Improve nutrient availability
 Build humus in the soil
 Help reduce soil compaction



Step 2

Bio S.I. Select (used as a treatment for seeds, transplants and root dip). Use the **Bio S.I. "Select"** 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 or cuttings laid out on a table or ground. Seeds: Use 6 ounces of "Select" per row acre over the seed in the bed. Spray may be directed onto the seed or to the side of the seed but as close as possible. It is best to treat all seeds in furrow or as transplants. **Do not use filters smaller than # 70.**

Benefits of Using Select:

Improved seed germination
 Increased root mass
 Reduce disease pressure
 Increase plant vigor

Improved plant emergence
 Improved nutrient efficiency
 Better water efficiency
 Improves soil tilth



Step 3

SD 25 (Stubble digestion). 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. 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. This is a very cost effective way to improve your bottom line.

Benefits of Using SD 25:

Recycle nutrients
 Increase water infiltration
 Improve water holding capacity
 Reduce debris that helps pathogens overwinter

Reduce input costs
 Builds humus
 Reduce run-off

Bio S.I. Technology, LLC offers you a program that can be used to fit your farming needs. Use all three steps or just the ones that fit your needs. They all help improve your soil, production, and bottom line.



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