

# Increasing Your Profits Per Acre

BIO S.I Program for Corn, Rice, Wheat, Barley, Oats, Sesame and Other Grain Crops



Bio S.I. program for grains 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 grain crops. This program involves three Bio S.I. products, Bio S.I. Ag Formula + Humus (broadcast over the soil), Bio S.I. Select (applied over the seed at planting or as a spray or dip for transplants) and SD 25 (applied after harvest). Each product is unique and has a distinct role to play in the program for grain crops.

**Benefits for your soil and crops:**

- Improve soil humus (carbon)**
- Improve soil tilth**
- Improve water efficiency**
- Reduce crusting**
- Helps improve seed germination**
- Increase biological activity**
- Products come ready to use**
- Multiple application methods**



*"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



[biositechnology.com](http://biositechnology.com)



## Step 1

**Ag Formula + Humus** (beneficial soil microbes). On new fields or fields that are being planted or replanted use the **Ag Formula + Humus** broadcast at a rate of 12 to 16 ounces per acre pre-plant. If possible multiple small doses of 4-6 ounces per acre per month during the growing season to help improve production and quality of the crops.

### Benefits of Using Ag Formula:

- |                              |                                |
|------------------------------|--------------------------------|
| Improved seed germination    | Better emergence               |
| Reduced crusting             | Improves biological activity   |
| Heavier better quality seeds | Reduced disease pressure       |
| Better root system           | Builds humus (carbon) layer    |
| Better water efficiency      | Improved nutrient availability |

## Step 2

**Bio S.I. Select** (soil microbes and mycorrhizal fungi). **Select** is to be used at six ounces per acre over the seed in furrow (best method) or applied in the seed bed just to the side or under the seed. The beneficial microbes in Select actively grow within the root zone, which can help keep pathogens (fungus/pest) out of the root zone and reduce stress on the crop. Some circumstances require higher doses depending on the pathogens or pests present.

### Benefits of Using Select:

- |                                |                           |
|--------------------------------|---------------------------|
| Improved nutrient availability | Improves soil vigor       |
| Reduces disease/pest pressure  | Improves seed germination |
| Improves plant vigor           | Builds humus in the soil  |
| Improves crop quality          | Improves yield potential  |



## Step 3

**SD 25** (used post-harvest for stubble digestion). SD 25 is used at the rate of 15 to 20 ounces per acre applied over the stubble after the stubble is chopped down and disc in. Additional nitrogen, and other adjuvants may be used to increase the speed of stubble breakdown. This provides valuable organic matter microbes to digest and build in the soil over winter.

### Benefits of Using SD 25:

- |                                       |  |
|---------------------------------------|--|
| Save money (\$80 - \$175.00 per acre) | Recycle nutrients from previous crop       |
| Improve humus fraction of the soil    | Improve water penetration                  |
| Reduce fertilizer inputs              | Improve soil tilth                         |
| Reduce erosion from wind and water    | Reduce places for pathogens to over-winter |

This 3 step program gives you a way to introduce soil microbes to rebuild, restore, and renew your soil with each application. Use the entire program or parts that fit your programs. Each step has a specific benefit to your overall success. Put Bio S.I. Technology's products to work on your farm today.



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