

**Oct 16, 2013**

250 bu. grain corn was harvested  
100% of crop residue returned to the soil...



**Nov 20, 2013**

40 days after Treatment



**Nov 23, 2013**

Day after Potato Markout



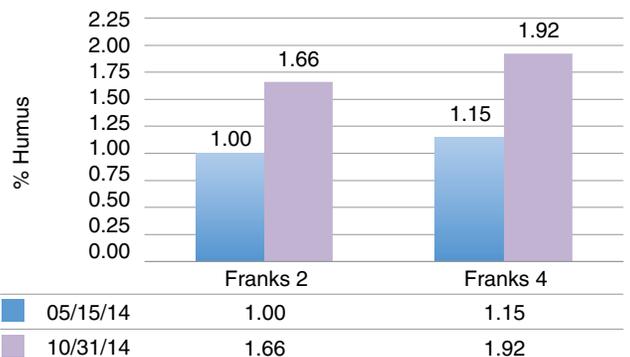
**May 2014**  
Six months later  
Potato planting complete,  
estimated 90% of residue  
is decomposed



Bio S.I. SD 25 was put to the ultimate test. After harvesting 250 bu grain corn we had no choice but to return 100% residue to the soil and hope that by spring SD 25 would chew it up. To our amazement SD 25 did just that. It was remarkable to watch this biological process. We treated two fields, totaling 200 acres. Our soil humus levels significantly increased from early spring to fall. Literally this soil became rejuvenated after this treatment. This was all done during winter months.

**Incredible!**

**% Humus Improvement  
Corn Stubble Digestion**



biositechnology.com

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# Product Usage

For use on crop land post-harvest to break down stubble left after harvest. Stubble (plant debris) from corn, wheat, beans, barley, cotton, rice, milo, beets, sugar cane, hops, grasses or any other plant that leaves significant amounts of plant debris can be treated to recycle nutrients.

**Application Preparation:** Perform normal tillage (if any) to get stubble into contact with the soil. Minimum till to no till: apply over the stubble with minimum of 10 gallons of water per acre. If mold board plowing, apply SD 25 after tillage is complete.

**Application Rate:** Rates may need to be adjusted according to your specific crop production and environment.

Apply 20-25 oz. of SD 25 per acre with a minimum of 10 gallons of water per acre. **For best results**, supplement application with a 16-32 oz. of Bio S.I. Melaco (Carbs), 2-4 quarts of Bio S.I. Nutra Hume (Humic Acid) or Bio S.I. Fulvic Acid may be used in place of humic acid. The carbon to nitrogen ratio of plant debris needs to be taken into consideration. Usually 20-40 units of nitrogen will speed up digestion. Where nitrogen use is a concern; send in the residue sample for analysis of actual carbon to nitrogen ratio. This will determine the specific rate of nitrogen to balance the carbon to nitrogen ratio to achieve proper residue decomposition. A balanced carbon to nitrogen balance will accelerate the rate of degradation.

**Application Methods:** Surface sprayer (ground rig), making sure tank has been properly cleaned prior to application of SD 25. If a fungicide has been used, clean with triple rinse or other cleaner to sterilize tank. SD 25 may be injected through pivot or any irrigation system calibrated to get even coverage. Use centrifugal or diaphragm pumps for best results. Do not use piston or roller pumps to apply this product.

**Surface Application:** Apply at the rate listed above. Mix with a **minimum** of 10 gallons of water per acre. Under dry conditions use more water. SD 25 may be mixed with small amounts of fertilizer but use entire mixture. **Use the entire mixture; do not store any remaining solution.**

**Irrigation Systems:** Calibrate system to deliver at the desired application rate. Do not mix with other chemicals/fertilizers and store at pivot for injection over a long period of time. Use a separate container to inject Bio-S.I.™.

**Handling: Eye protection:** goggles. **Hands:** rubber gloves if cuts or abrasions exist. **Wash hands thoroughly with soap and water after handling.**

**Storage:** Protect from direct sunlight for long periods, freezing, and temps above 120 degrees.

**DO NOT MIX WITH FUNGICIDES OR PESTICIDES**

## Pint

16 fl. oz.



Dimensions:  
**5.9H"**  
**1.975W"**  
**4.125L"**

## 5 Gallon Pail

640 fl. oz.



Dimensions:  
**14.5H"**  
**11.5W"**  
**11.5L"**

## Quart

32 fl. oz.



Dimensions:  
**7.5H"**  
**2.4W"**  
**5.2L"**

## 55 Gallon Drum

7,040 fl. oz.



Dimensions:  
**35H"**  
**23W"**  
**23L"**

## 1 Gallon

128 fl. oz.



Dimensions:  
**11.88H"**  
**4.06W"**  
**7.48L"**

## 250 Gallon Tote

32,000 fl. oz.



Dimensions:  
**46H"**  
**39W"**  
**48L"**

### Bio S.I. Technology LLC.

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- Pallet Pricing Available
- Minimum Drop Ship Order \$250.00
- Terms: Net 30
- Return Policy: 20% Restocking Fee  
No Broken Cases



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**WARRANTY:** The Manufacturer and Distributor make no warranty of any kind expressed or implied concerning the use by the customer of this product. Any claim is limited to the replacement of product or refund of cost of product.

