



BioGold™

Better Soil. Better Crops.
Better Environment.



BioRed™

Premixed BioGold Formula

Microbial-Enhanced
Soil Amendment

BETTER SOIL. BETTER CROPS. BETTER ENVIRONMENT.

BioGold™ is a highly concentrated liquid soil amendment that contains free-living soil microbes, providing your soil with all five major functional microbial groups: actinomycetes, algae, bacteria, fungi, and protozoa. These are all important as they play the roles of producers, predators, prey, and decomposers.

BioRed™ is a premixed version of BioGold, offering the same free-living soil microbes in a ready-to-apply formula. BioRed is a convenient, turn-key option that takes the guesswork out of application.

These are not crop-specific products, but soil-based products. No matter the geography, every soil is in need of microbes from these categories to help relieve the pressures of yield demands. BioRed and BioGold microbes are recyclers, regenerators, facilitators, inhibitors, mobilizers, producers, and equalizers. These microbes are not all consumed in one season, however, with yearly applications, BioRed and BioGold will replenish the life of the soil.

This new life, built over multiple years, could even allow growers to reduce nitrogen fertilizer inputs by as much as 50% – 75%, and can potentially reduce the need for herbicides, insecticides, and fungicides.

PRODUCT SNAPSHOT

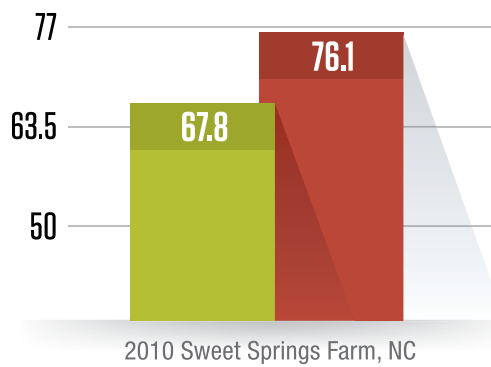
- » Delivers aerobic (oxygen present) and anaerobic (no oxygen present) microorganisms to soil
- » 1 teaspoon of BioRed™ has 1 million population of microorganisms
- » These microorganisms have the ability to capture atmospheric nitrogen, bring it into the soil and then convert into an available energy source for the plant as needed
- » Potential of generating 40 - 180 units of N per acre under favorable conditions
- » Over time, can reduce the need for nitrogen input by 50% – 75%

“It’s a 20-ton manure program in a bottle... the results we saw were, frankly, amazing.”

– Mike Rother,
Colorado Farm Owner (corn/wheat)

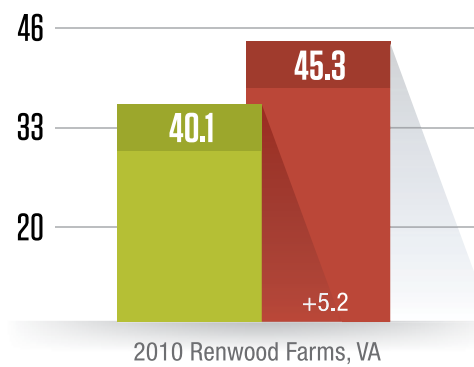


RESULTS



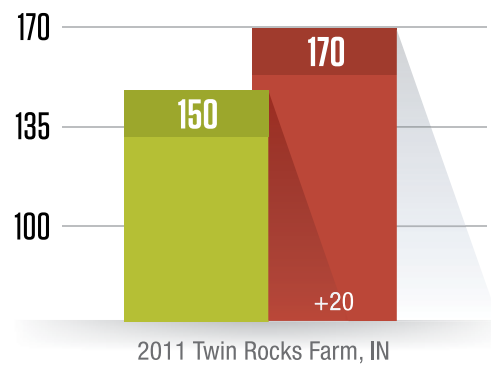
SOYBEANS

- » Side by side
- » Full season soybeans
- » Pioneer 94Y70
- » 12% yield increase



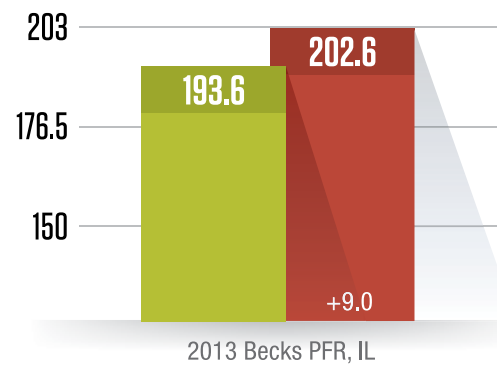
SOYBEANS

- » 6 replications
- » Double crop soybeans behind wheat
- » USG variety
- » 15% yield increase behind wheat



CORN

- » 70 units 28% 4x4 at planting + BioRed™, 70 units 28% sidedress at knee high
- » 18-46-0 80#, 0-0-50 80#
- » 32,500 seed population
- » Previous crop: Soybeans
- » Zone till



CORN

- » Fall Residue Test
- » Applied 32 oz. per acre immediately following 2012 harvest
- » 34,500 seed population
- » Becks 5509A3

Control BioGold™ & BioRed™