



a division of Amgrow

BRANDT[®]

Smarter Nutrient Delivery

Brandt Smart System[®]



Brandt Smart System®

Smarter Nutrient Delivery

Today's leading growers use BRANDT SMART SYSTEM, a proprietary micronutrient technology that improves plant health and yield, reduces plant stress and saves time and money.



Increase Yield and Operational Efficiencies

Until now, micronutrients and herbicides could not be mixed in the same tank without compromising herbicide performance. The chemistries were incompatible and had to be applied separately.

BRANDT SMART SYSTEM's proprietary technology improves compatibility of micronutrients and herbicides (including glyphosate) so that they can be mixed in the same tank and applied at the same time.

- Consistently improves quality and yield
- Combined micronutrient and herbicide application reduces application labor time and expenses

Smarter Nutrient Delivery Leads to Better Plant Health

BRANDT SMART SYSTEM's unique properties improve plant nutrient uptake and use. Its natural humectant properties enhance foliar contact and adhesion, helping product stay on longer. It also dries as a re-wettable gel, giving the plant several opportunities to access foliar nutrients.

- Improves overall quality, color and vigor
- Reduces plant stress from herbicide application
- Promotes stronger, healthier plant immune system



BRANDT SMART TRIO® on Corn

Kewanee, IL, 2012. 2.5 L/ha

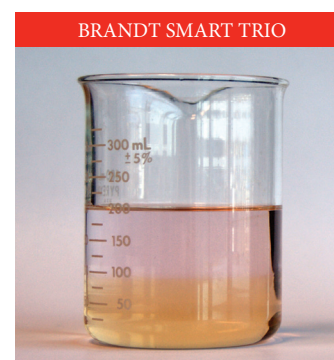
This photo was taken after BRANDT SMART TRIO was applied to corn. You can see the visual improvement in color, growth, fullness and vigor. Two competitive products were applied in other parts of the field the same day and had results that were much less visible (not shown).

How Brandt Smart System Works

When herbicides come in contact with conventional micronutrients, the herbicide binds to the metal elements. This causes a crystallization occurrence to take place in the mixing tank, leading to sprayer nozzle clogging, uneven application and compromised herbicide performance (antagonism).

BRANDT SMART SYSTEM's proprietary technology prevents herbicide and metal binding, allowing the products to co-exist in the mixing tank.

- Can be mixed in the same tank with glyphosate and most herbicides
- Will not compromise herbicide performance



Prevents glyphosate and most herbicides from reacting with the micronutrients, creating a compatible tank mix environment.

Formulations

■ BRANDT SMART ZN

7.5% Nitrogen
3.8% Sulfur
7.5% Zinc

■ BRANDT SMART MN

7.7% Nitrogen
4.5% Sulfur
7.7% Manganese



■ BRANDT SMART TRIO®

5% Nitrogen
3.8% Sulfur
0.32% Boron
3.8% Manganese
3.8% Zinc



Glyphosate and other herbicides react when coming in direct contact with most micronutrients, causing a crystallization occurrence in the tank.

Proven and Tested Results

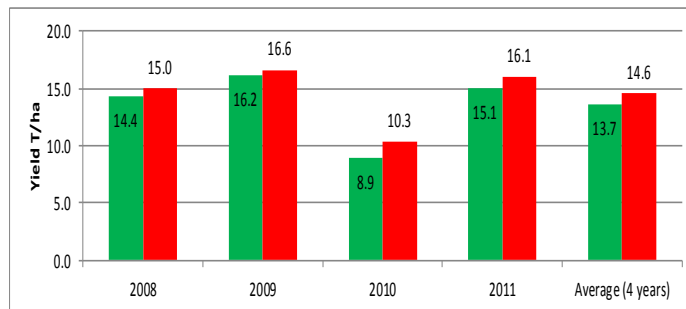
BRANDT SMART SYSTEM trials and testing began in 2008. All data has shown consistent yield increases in corn, soybean, cotton, sugar cane, alfalfa, sugar beets, potatoes and wheat. In one year, BRANDT SMART TRIO showed an average 0.5 T/ha increase on soybeans and a 315 kg/ha increase on cotton. A four year study showed an average 0.9 T/ha increase.



BRANDT SMART TRIO on Corn

Pleasant Plains, IL 2008-2012. 2.5 L/ha

■ Glyphosate ■ Glyphosate + BRANDT SMART TRIO

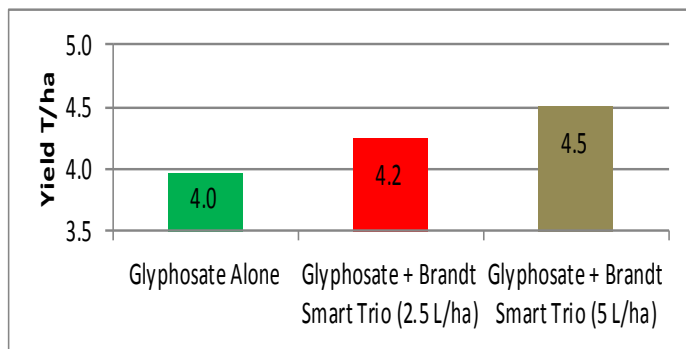


2.5 L/ha of BRANDT SMART TRIO added to post emergent herbicide applications on corn resulted in a four year average increase of 900 kg/ha. As the crop was challenged through varying environmental conditions each year, BRANDT SMART TRIO consistently enhanced crop yield and plant health

BRANDT SMART TRIO on Soybeans

Pleasant Plains, IL 2009-2012. 2.5 and 5 L/ha

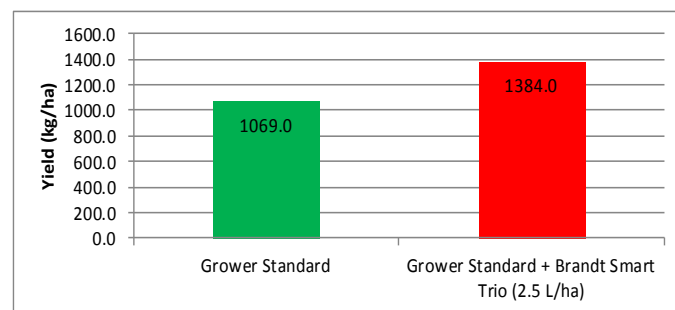
■ Glyphosate ■ Glyphosate + BRANDT SMART TRIO



2.5 and 5 L/ha of BRANDT SMART TRIO added to post emergent herbicide applications on soybeans showed a 0.5 T/ha increase. BRANDT SMART TRIO applied with tank mix partners, such as glyphosate and/or multiple herbicides, increases yield potential at various populations

BRANDT SMART TRIO on Cotton

Suffolk, VA 2010. 2.5 L/ha



2.5 L/ha of BRANDT SMART TRIO added to post emergent herbicide applications on cotton resulted in a 315 kg/ha increase. Weed resistance issues are creating a need to add more tank mix partners to glyphosate applications. Increased population and heavier loads create greater demand for nutrient usage



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