



# NutriSync<sup>®</sup>

## EDUCATOR



## **IMPROVING PLANT NUTRIENT UPTAKE, TRANSPORT AND UTILIZATION**

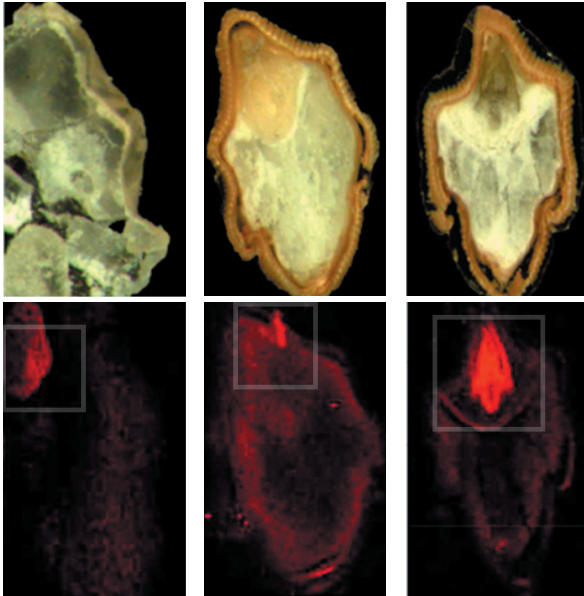
NUTRISYNC and NUTRISYNC Foliar Micronutrients prompt crops to move existing and applied nutrients from the roots and older leaves to new growth areas where they are needed most for plant growth and productivity. By remobilizing nutrients within the plant, NUTRISYNC Nutrient Transport Technology helps to supply your crop with key nutrients to the areas of highest demand, which can result in healthier plants, faster growth, higher yield potential, and more consistent quality.

## **HOW DOES NUTRISYNC NUTRIENT TRANSPORT TECHNOLOGY WORK IN PLANTS?**

NUTRISYNC Nutrient Transport Technology is a naturally occurring carbohydrate that supports many of the processes that are central to plant growth and development, including nutrient uptake, storage, transport and use. It also plays a role in cell signalling in the plant, production of the plant cell wall and response to salt stress. NUTRISYNC Technology is the reason foliar nutritional tools powered by NUTRISYNC consistently perform when other foliar nutrients may fail.

## NutriSync Products Performance - Rice Kernel Cross Section

\* Higher accumulation of applied nutrient as shown below.



Untreated

Foliar Micronutrient

Foliar Micronutrient  
with **NutriSync**

Source: Dr. Patrick Brown, UC Davis, data generated at Stanford National Lab.

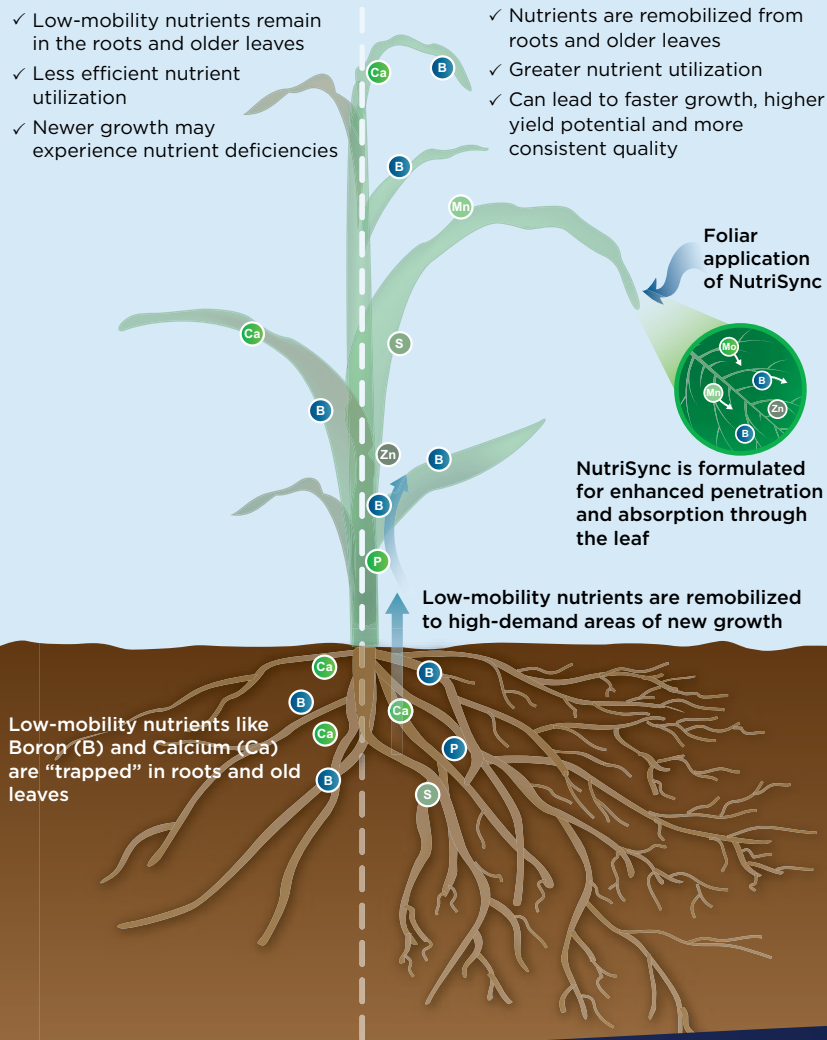
# How It Works

## Without NUTRISYNC

- ✓ Low-mobility nutrients remain in the roots and older leaves
- ✓ Less efficient nutrient utilization
- ✓ Newer growth may experience nutrient deficiencies

## With NUTRISYNC

- ✓ Nutrients are remobilized from roots and older leaves
- ✓ Greater nutrient utilization
- ✓ Can lead to faster growth, higher yield potential and more consistent quality



Low-mobility nutrients like Boron (B) and Calcium (Ca) are "trapped" in roots and old leaves

NutriSync is formulated for enhanced penetration and absorption through the leaf

Low-mobility nutrients are remobilized to high-demand areas of new growth

# NUTRISYNC TECHNOLOGY

Growers who want to get the most out of their nutrition program look to NutriSync brand micronutrients. Powered by NutriSync proprietary Nutrient Transport Technology - NutriSync brand micronutrients enhance nutrient assimilation, mobilization and utilization within various crops. Available in a complete line of highly effective formulations, there is a NutriSync brand micronutrient available to suit your unique needs.

***Get your nutrition on the move, with NutriSync!***

## KEY FEATURES OF NUTRISYNC PRODUCTS:

- Mobilizes essential nutrients to areas of peak demand
- Utilizes key nutrients at critical growth stages
- Enhances plant metabolism and transport of nutrients
- Increases the integrity of plant cells and overall plant growth and vigor

NutriSync. **D**

NutriSync. **M**

NutriSync.  
**Boron**

NutriSync.  
**Manganese**

NutriSync.  
**Calcium**

NutriSync.  
**Micro Pak** 

NutriSync.  
**Complete** 

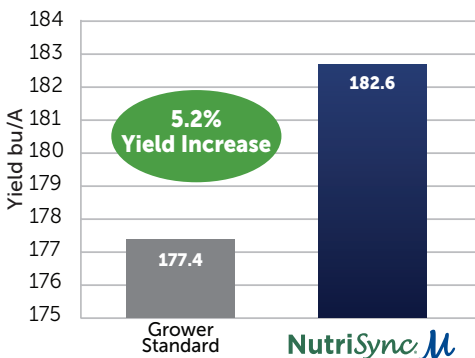
NutriSync.  
**Sulfur**

NutriSync.  
**Copper** 

NutriSync.  
**Zinc**

NutriSync.  
**Magnesium**

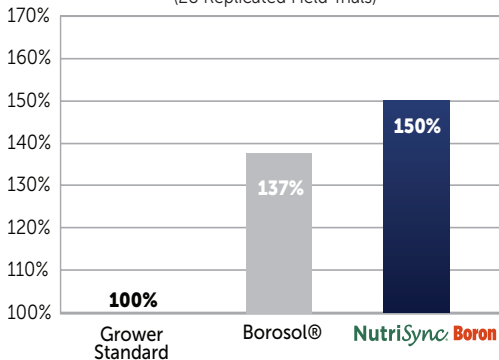
## 6 year Corn Summary (65 trials)



Source: MN & SD Trials from 2009-2015

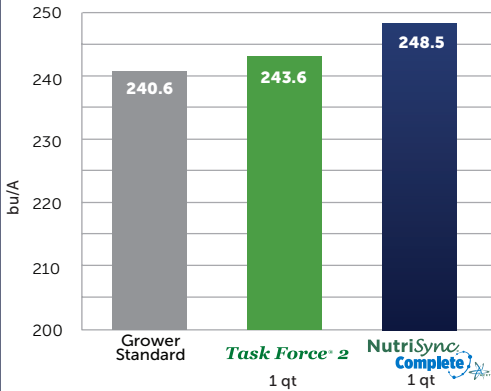
## Average % Yield Increase Over Grower Standard

(28 Replicated Field Trials)



Source: Loveland Products Tech Services Agronomist, 2012.

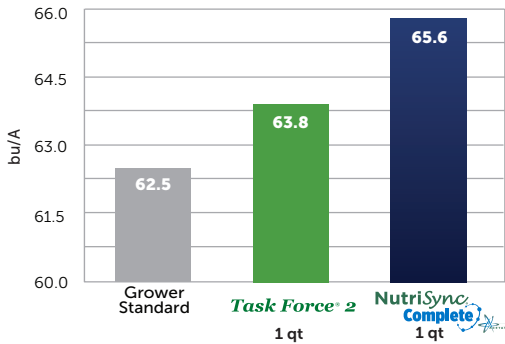
### NutriSync Complete Corn Trials, 2016



All treatments applied v6 corn. All include LI 700@ 0.125%

Source: Tech Service, 2016.

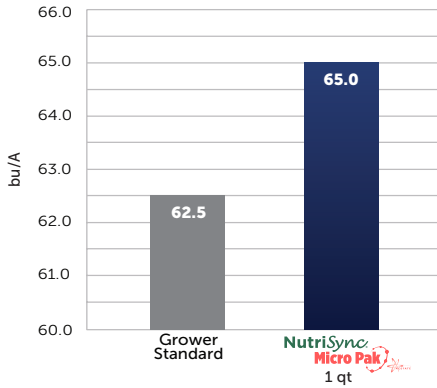
### NutriSync Complete Soybean Trials, 2016



All treatments applied v6 6-26. All include LI 700@ 0.125%

Source: Tech Services, 2016.

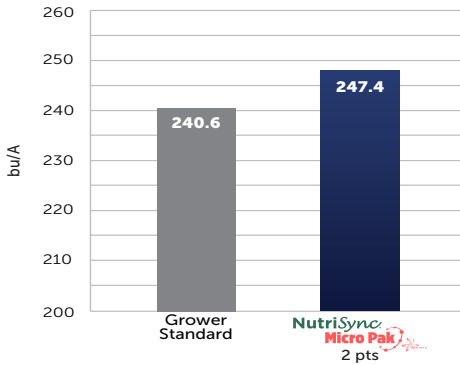
## NutriSync Micro Pak Soybean Trials, 2016



All treatments applied v6 6-26. All include LI 700@ 0.125%

Source: Tech Services, 2016.

## NutriSync Micro Pak Corn Trials, 2016

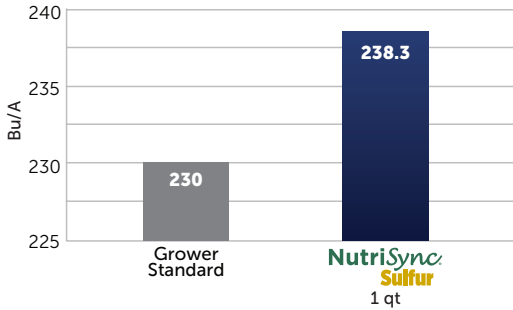


All treatments applied v6 corn. All include LI 700@ 0.125%

Source: Tech Services, 2016.



## Foliar Corn 2013

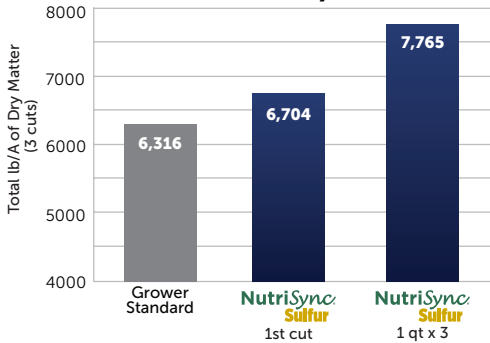


All treatments applied v4 (6/3/2013)  
All treatments include LI 700® @ 1 pt/100 gal

Source: CH Bio, 2013.

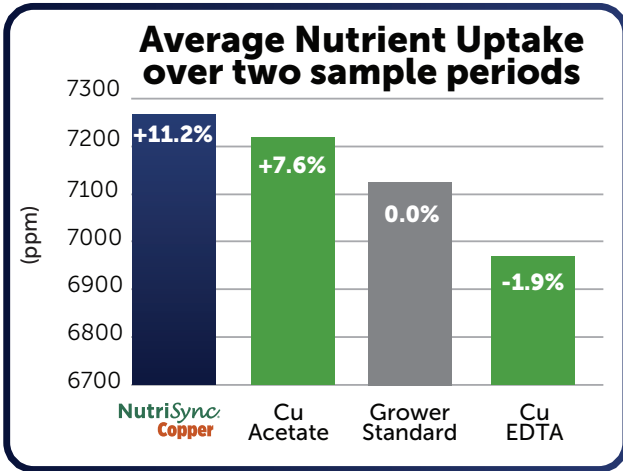
Source: CH Bio, 2013.

## Foliar Alfalfa Nutrition White Water, WI 2013

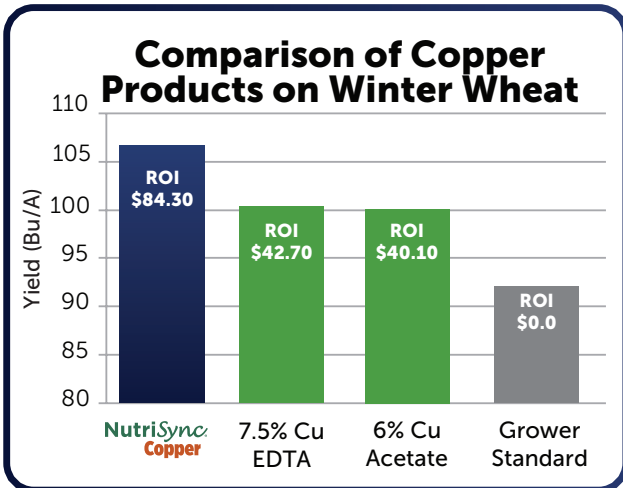


Applications: 1 greenup; 2 after 1st cut; 3 after 2nd cut

Source: CH Bio, 2013.



Source: Loveland Products Tech Services Agronomist, 2013.



Source: Loveland Products Tech Services Agronomist, 2013.

# NOTES

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**GET GROWING.**

 @LOVELANDPRODUCTSINC

 @GROWLOVELAND

 @LOVELANDPRODUCTS

For questions or information,  
contact your Loveland Products LSM.

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