



## Take Control of Early-Season Nutrition with Nu-Trax™ P+

- Phosphorus-based fertilizer designed to provide better early season nutrition to crops
- Custom blend of phosphorus, zinc, manganese and nitrogen
- Success early in the season sets the stage for a more fibrous root system that is better able to handle environmental stress while maximizing yield potential

[Field Facts: Nu-Trax P+ Effect on Canola Yield](#)

[Field Facts: Nu-Trax P+ Effect on Lettuce Production](#)

[Field Facts: Nu-Trax P+ Effect on Onion Production](#)

[Learn more at Nu-Trax P+](#)

## The Right Ratio of Nutrients

In spring fertilizer trials, we've shown that the CropStart™ Nutrient Package works to give your crops a strong start.

The CropStart Nutrient Package is a scientifically derived balance of nutrients:

- P<sub>2</sub> O<sub>5</sub> (25%)
- zinc (20%)

- manganese (5%)
- nitrogen (4%)

These nutrients are known to be needed by young seedlings, but are difficult to access early in the season or in cold, wet soils.

### Nu-Trax P+ Fertilizer with CropStart Technology



### EvenCoat™ Technology

Traditional granular phosphorus and zinc fertilizers are difficult for young plant roots to access. These nutrients are immobile in the soil and granular phosphorus ties up easily.

That means if young plant roots are not close to applied nutrients, early season deficiencies can occur. With EvenCoat™ Technology, Nu-Trax P+ is easily coated onto dry fertilizer creating a consistent blend. This allows for blanket-like distribution in the field and more points of interception for young crops.

Early, easy access to essential nutrients is one more way Nu-Trax P+ sets crops up for success.

## How EvenCoat™ Technology Works



### ***PlantActiv™* Formulation**

Nu-Trax P+ is chemically and physically designed for better nutrient availability. Formulated as a fine powder, the particle size is ideal for plant uptake.

## Nu-Trax P+ Nutrients Get into Crops Quickly



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# Nu-Trax P+™ Effect on Canola Yield

## FIELD FACTS

**Nu-Trax P+ (4-25-0, 5% Mn, 20% Zn) coats each granule of a dry fertilizer blend, placing highly available, critical nutrients closer to plant roots.**

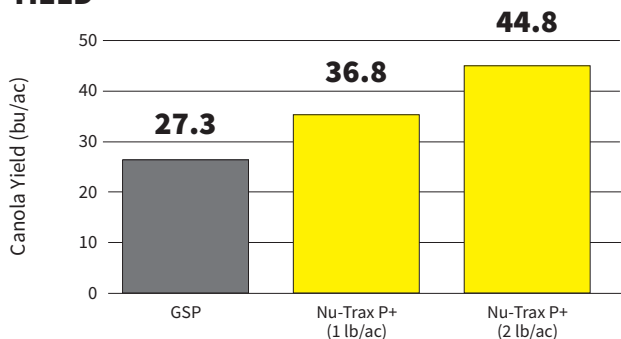
### OBJECTIVE

Determine the effect of Nu-Trax P+ on canola yield at two different application rates.

### TRIAL DETAILS

Nu-Trax P+ was applied as a dry powder to coat a fertilizer blend carrier at both 1 and 2 lb/ac. These treatments were compared to the grower standard practice (GSP). Trial design was a non-replicated small plot side-by-side demo completed at the Ag in Motion outdoor farm expo near Saskatoon, SK Canada. The plots were designed to represent “real world conditions”.

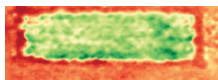
### YIELD



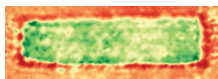
Canola yield comparison at increasing rates of Nu-Trax P+

### NDVI IMAGERY

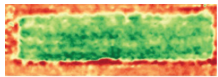
1. GSP



2. Nu-Trax P+ (1 lb/ac)



3. Nu-Trax P+ (2 lb/ac)



NDVI imagery shows more chlorophyll production and a more consistent canola stand. Aerial survey was done on July 29th.

(Source: Kelsey Martin, Martin Remote Sensing Corporation)

### Nu-Trax P+

# +17.5 bu/ac

**CANOLA YIELD INCREASE COMPARED  
TO GROWER STANDARD PRACTICE**



Canola small plot demonstration area shown at the Ag in Motion outdoor farm expo (Source: Ag in Motion)

# \$164+

**IN GROSS REVENUE/ACRE**

ROI CALCULATOR  
= \$9.375/bushel X 17.5 bushels  
Assuming 2 bushels per cwt.

Source: Sunflower seeds, flax, canola daily report, Minneapolis 3/22/2018

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# Nu-Trax P+® on Lettuce Production

## FIELD FACTS

**Nu-Trax P+ (4-25-0, 5% Mn, 20% Zn) coats each granule of a dry fertilizer blend, placing highly available, critical nutrients closer to plant roots.**

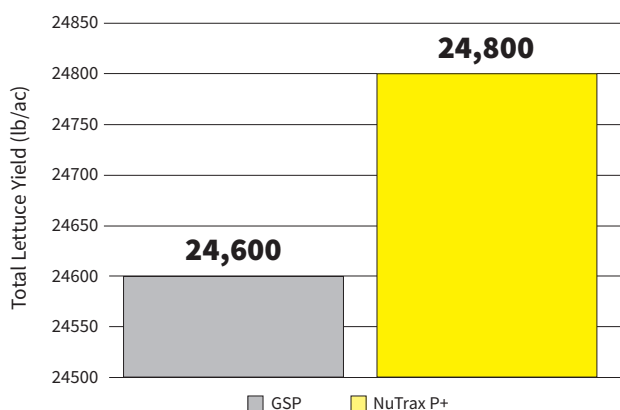
### OBJECTIVE

Determine the effect of Nu-Trax P+ on 'Crusader' iceberg head lettuce yield, sizing, and nutrient uptake.

### TRIAL DETAILS

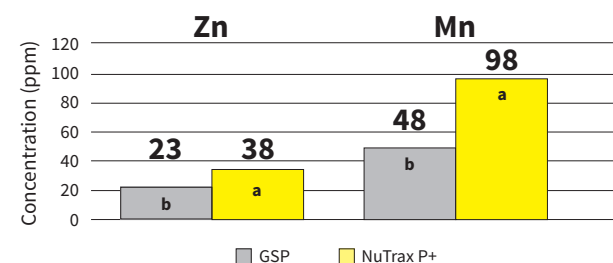
Nu-Trax P+ was applied as a dry powder to coat a fertilizer blend carrier. This treatment was compared to the grower standard practice (GSP). Trial design was a small plot RCBD with 4 replications. Trial work was completed by Dr. Bielinski Santos, in Gilroy, CA.

### YIELD



Total lettuce yield comparison (p = 0.11)

### NUTRIENT UPTAKE



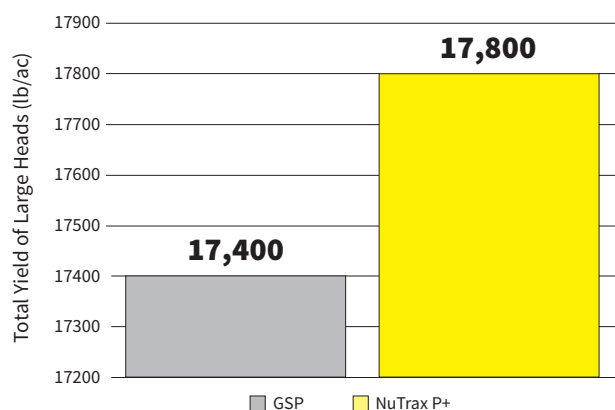
Plant tissue uptake data. Means with different letters are significantly different (p < 0.01, LSD).

### Nu-Trax P+

# +200 lb/ac

**TOTAL MARKETABLE LETTUCE YIELD INCREASE  
COMPARED TO GROWER STANDARD PRACTICE.**

### SIZING



Large head lettuce (greater than 8 oz/head) yield comparison (p = 0.11)

# +\$64

**IN GROSS REVENUE/ACRE**

ROI CALCULATOR

= \$16/CARTON X 4 CARTONS @ 50 LB. EACH (+200 LB. TOTAL)  
SOURCE: SAN FRANCISCO TERMINAL PRICES 1/12/2018

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# Nu-Trax P+® on Onion Production

## FIELD FACTS

**Nu-Trax P+ (4-25-0, 5% Mn, 20% Zn) coats each granule of a dry fertilizer blend, placing highly available, critical nutrients closer to plant roots.**

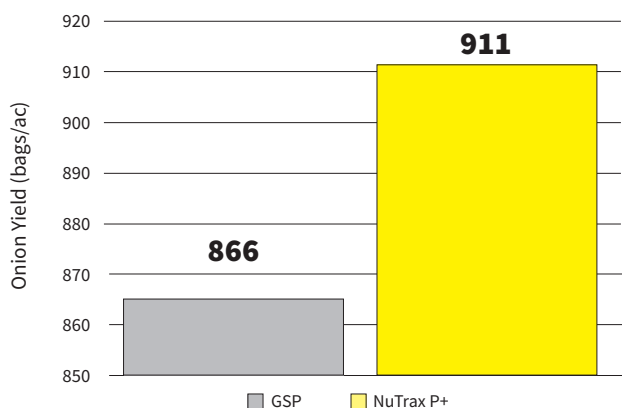
### OBJECTIVE

Determine the effect of Nu-Trax P+ on 'White Sweet Spanish' onion yield, sizing, and nutrient uptake

### TRIAL DETAILS

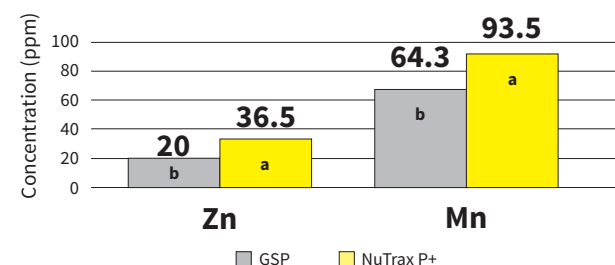
Nu-Trax P+ was applied as a dry powder to coat a fertilizer blend carrier. This treatment was compared to the grower standard practice (GSP). Trial design was a small plot RCBD with 4 replications. Trial work was completed by Dr. Bielinski Santos, in Gilroy, CA.

### YIELD



Onion yield comparison by total yield ( $p = 0.11$ )

### NUTRIENT UPTAKE



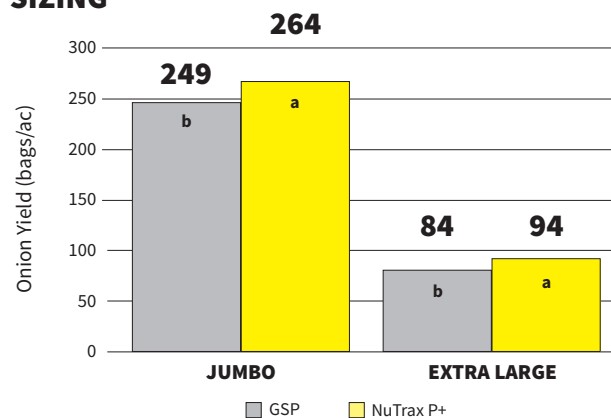
Plant tissue uptake data. Means with different letters are significantly different ( $p < 0.01$ , LSD).

### Nu-Trax P+

# +45 bags/ac

**TOTAL ONION YIELD INCREASE COMPARED TO GROWER STANDARD PRACTICE.**

### SIZING



Onion yield comparison by size. Means with different letters are significantly different ( $p < 0.05$ , LSD).

# +\$630

**IN GROSS REVENUE/ACRE**

ROI CALCULATOR

= \$14/BAG X 45 BAGS

SOURCE: SAN FRANCISCO TERMINAL PRICES 1/12/2018

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