

# TRUE

ORGANIC PRODUCTS, INC

# TRUE Pro-Ten Plus

## Why TRUE Pro-Ten Plus?

TRUE Pro-Ten Plus is an organically certified unique blend of biostimulants. The diverse array of ingredients is proven to increase soil microbial activity, improve plant nutrient availability, decrease crop stress, and enhance plant growth. Compatible with a wide variety of liquid fertilizers, Pro-Ten Plus is a great fit in organic and conventional cropping systems. TRUE Pro-Ten Plus is an economical biostimulant with a high level of humic acid (12%) as well as two species of kelp extract delivered at a high concentration (6%).

## Application Instructions:

In annual crops, TRUE Pro-Ten Plus can be applied as a starter at a rate of 1-5 gallons per acre. In-season, Pro-Ten Plus can be applied through irrigation systems or as a liquid side-dress application at 0.5-5 gal/ac per application. Foliar applications can also be made at 0.25-1 gal/ac. Repeat applications every 1-2 weeks during high nutrient demand and/or high crop stress will be most effective.

### GUARANTEED ANALYSIS:

Total Nitrogen (N).....	2%
1.92% Water Soluble Organic Nitrogen	
0.08% Water Insoluble Organic Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	1%
Soluble Potash (K <sub>2</sub> O).....	3%

### DERIVED FROM:

Corn Steep Liquor, Soy Protein Hydrolysate, Reduced Sugar Molasses, Fish Protein Hydrolysate, Seaweed Extract, Sugar Beet Extract, and Shrimp Shell Meal

### ALSO CONTAINS NONPLANT FOOD INGREDIENT:

12% Humic acid derived from leonardite

**Density:** 10.0 lbs/gallon at 68 deg F



## Benefits of TRUE Pro-Ten Plus Ingredients:

- **Corn Steep Liquor:** Excellent source of labile organic nitrogen and carbon, feeding soil microbes and increasing plant available nitrogen.
- **Soy and Fish Protein Hydrolysates:** Diverse array of free amino acids and oligopeptides that can be directly absorbed by plant roots or through foliar sprays. Amino acids boost plant growth and reduce plant environmental stress.
- **Reduced Sugar Molasses:** Excellent source of easily digestible carbon to boost soil microbial activity. Also a plant-based source of potassium.
- **Leonardite-derived Humic and Fulvic Acids:** Improve solubility and plant-availability of nutrients in the soil. Also stimulate root growth and add stable forms of carbon to increase soil organic matter.
- **Seaweed Extract:** Reduces plant stress and activates genes involved in plant defense.
- **Sugar Beet Extract:** High in growth-promoting amino sugars and stress suppressing compounds.
- **Shrimp Shell Meal:** Contains high amounts of chitin, a nitrogen-rich amino sugar that triggers an immune response in plants which helps stimulate growth and is known for suppressing soil-borne diseases.

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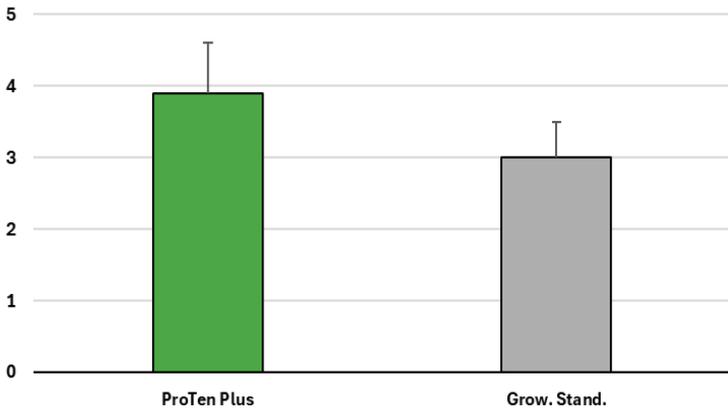
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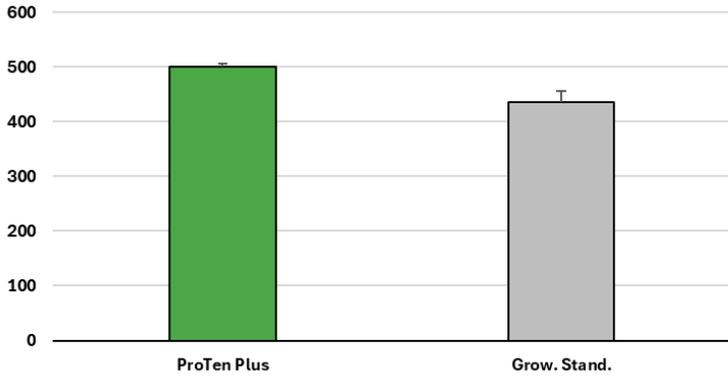
## Greenhouse Data:

A trial was conducted in a commercial celery transplant greenhouse. One to three times per week, TRUE Pro-Ten Plus was applied at 0.2% through the irrigation system. Evaluations showed higher shoot nutrient content and improved root growth in the celery plants.

Shoot % Nitrogen



Total Root Length (cm)



## TRUE Pro-Ten Plus Properties\*

	TRUE Pro-Ten Plus
Nitrogen (%)	2.0
Phosphate (%P <sub>2</sub> O <sub>5</sub> )	1.0
Potash (%K <sub>2</sub> O)	3.0
Carbon (%)	18.2
C:N Ratio	9
Fulvic Acid - CDFA (%)	33.8
Humic Acid - CDFA (%)	16.0
Moisture (%)	58.9
pH	5.14
Calcium (%)	0.46
Magnesium (%)	0.24
Sulfur (%)	0.73
Zinc (ppm)	41
Iron (ppm)	1,378
Manganese (ppm)	37
Copper (ppm)	<20

\*Analysis is only guaranteed for N-P-K content. All other values should be considered averages and may vary between lots.



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