



# PEPTON | All Natural Fertilizer for Crop Production

14-0-1

## What is Pepton Organic?

Pepton Organic is a fertilizer with a high nutrient value, sourced from enzyme hydrolysate of proteins creating a high percentage of mono- and dipeptides available for direct uptake in crop plants.

- Organically based protein hydrolysate is uniquely available for direct uptake through irrigation and foliar treatments.
  - Most other forms of protein-based fertilizers are treated with harsh chemicals making them unavailable for direct uptake.
- Organically based complex N form - helps improve the soil biome which is beneficial to soil microbes and nutrient uptake which promotes yield and growth.
- Unique water dispersible granule formula – easy to mix and apply through irrigation or foliar application. Perform a “jar test” before making any application. APC has tested several nutrients and pesticides for compatibility. Please check with your APC Representative for a listing.
- Compatible with the most common fertilizers and agrochemicals.
- Manufactured using enzymatic hydrolysis which allows maximum nutrient availability of nitrogenous building blocks directly to roots and leaves for immediate uptake.

## When to Use Pepton Organic

Pepton Organic is an ideal fertilizer for use in crop production to minimize the negative effects of stress on plants and increase production. Pepton Plus is commonly used in stress situations including:

- Climatic stress such as water, light, salt content, pH, and high or low temperatures
- Physiological stress such as transplanting, root flush, sprouting, flowering and fruit set
- Other stress such as plant damage, multi-harvest damage or damage caused by pests

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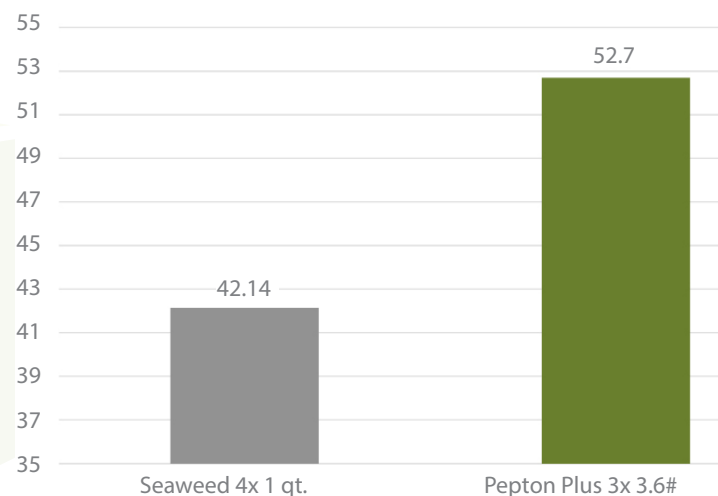


## Key Benefits of Pepton Organic

Pepton Organic has wide ranging benefits in crop production of all types. Its unique nutrient profile, including Hemic Iron, provides benefits that include:

- Increased root and plant growth
- Increased resistance to stress situations
- Feeding nutrient systems better, increased flowering and improved fruit set
- Improved nutrient availability which enables earlier harvesting and improves bulking and yield.
- Providing optimal nitrogenous building blocks during stress, thereby helping maximize yield, increasing size, weight and quality yield

Tomatoes: California, October 2019  
Total production in tons/ac  
Added 10+ tons - late varieties



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Innovation in Plant Nutrition

## GENERAL DESCRIPTION

**Pepton Organic** is a micro-granulated formulation, organically based and of natural origin, obtained by hydrolysis and is fully dispersible in water.

Careful selection of high-quality raw material, the method used to obtain the raw material and its subsequent processing guarantee a finished product that meets the highest quality standards.

## GUARANTEED ANALYSIS

Total Nitrogen (N)	14%
- Ammoniacal Nitrogen	0.5%
- Nitrate Nitrogen	0.5%
- Other Water Soluble Nitrogen	13%
Soluble Potash (K <sub>2</sub> O)	1%
Iron (Fe)	0.27%

Derived from: blood protein hydrolysate

## TYPICAL ANALYSIS

Molecular weight	< 10.000 Daltons
Granulation	< 1.5 mm
Solubility	100%
Density	0.53 kg/l.
Moisture	< 10.0%
Organic Carbon	46%
Ratio C/N	3.5
pH	7-9

## APPLICATIONS

**Pepton Organic** is a natural fertilizer and a rich source of nutrients, specially organic nitrogen, potassium and iron.

**Pepton Organic** may be applied every two weeks to many horticultural and field crops, targeting periods of stress, such as early root flush, bloom, and fruit set, heat and drought stress, bulking and producing fruiting budwood.

### Application Methods:

#### In foliar spray

Apply 0.9 pounds to 2.7 pounds/acre, using a concentration of 0.25% - 0.15% mixture applied to the foliage. These percentages have been exceeded before in the foliar application; however, it is highly recommended that a "jar test" is performed for more concentrated (above 2.5% and below 5.0%) applications.

#### Soil application (drip or other irrigation)

Apply 0.9 pounds/acre - 4.5 pounds/acre in irrigation water. An injection tank should be prepared, which contains 5-10% Pepton in water and acceptable surfactant and anti-foam as needed.

## STANDARD PACKAGING

**Pepton Organic** is available in a new, attractive, brown-coloured micro-granulate formulation, making waste management easier and enhancing use efficiency. The product is sold in 11 lbs (5 kg) and 33 lbs (15 kg) bags.

## STORAGE

Store in a cool, dry place in a sealed container, avoiding exposure to direct sunlight.

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## TO FIND OUT MORE

[www.apcagro.com](http://www.apcagro.com) | 800-513-8755 | [agroinfo@apcagro.com](mailto:agroinfo@apcagro.com)



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