



PLANT STIMULATING PEPTIDES IN ATARRUS

Atarrus is a biostimulant* made of 100% vegetal protein hydrolysates. Atarrus starts from raw vegetal materials of the highest quality and is created through an exclusive proprietary manufacturing process.

Plant Stimulating Peptides (PSP's) are produced using a Proprietary Double-Enzymatic Process (PDEP) to produce protein hydrolysates containing a high concentration of amino acids in soluble Plant Stimulating Peptide chains.

PSP's, unlike free amino acids, have a more prominent, assured, and natural biostimulant effect. These peptides are made available to the plant at the right balance and in ready-isomer-form for the plant to quickly absorb and utilize.

PSP's strength originates from the innovative production process that preserves even the weakest amino acids in the peptide chain (such as Tryptophan) and maintains the peptides' composition unaltered.

Atarrus contains amino acids in soluble peptide form with less than 4% free amino acids. Non-GMO plant-derived proteins are utilized in a proprietary production process. Atarrus enhances nutrient uptake and abiotic stress tolerance of agriculture and horticultural crops. It can improve carbon and nitrogen metabolism, growth and yield.



Aminogram Guaranteed.

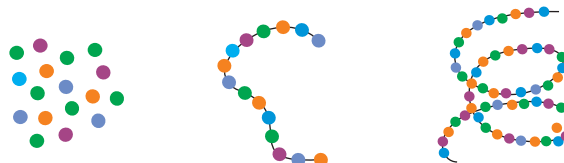
There are 18 interdependent amino acids essential for plant growth. The absence of one can block the synthesis of others. These 18 amino acids are all present in Atarrus.

ANALYSIS

Organic matter	35.5%
Organic Nitrogen (N)	5.0%
Vegetal amino acids and peptides	31%

AMINOGRAM

Alanine	4.6%
Arginine	7.0%
Aspartic Acid	11.7%
Cysteine	1.0%
Glutamic Acid	18.0%
Glycine	4.5%
Histidine	2.8%
Isoleucine	4.8%
Leucine	8.0%
Lysine	6.0%
Methionine	1.5%
Phenylalanine	5.2%
Proline	5.1%
Serine	5.5%
Threonine	4.1%
Tryptophan	1.2%
Tyrosine	3.9%
Valine	5.1%



Amino Acids

Peptide

Protein

Peptides are chains formed by 2 to 50 amino acids.

Benefits of Plant Stimulating Peptides

- Increases Plant Growth & Vigor
- Creates Larger Root Mass
- Increases Chlorophyll Content and Improves Photosynthesis
- Provides Precursors to Plants' Hormone Biosynthesis
- Intensifies Beneficial Microbial Activity
- Reduce Crop Stress
- Mitigates the Negative Impact of Environmental and Pesticide Stress on Crops
- Improved Plant Nutrition
- Increases nutrient absorption through leaf and root
- Boosts Nitrogen conversion within plant

* Atarrus is registered and labeled for use as a liquid fertilizer and is derived from Protein Hydrolysate. Protein Hydrolysates fall into the class of products commonly referred to as biostimulants. Because biostimulants do not yet have a regulatory framework, many states require Atarrus to be registered as a fertilizer.



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