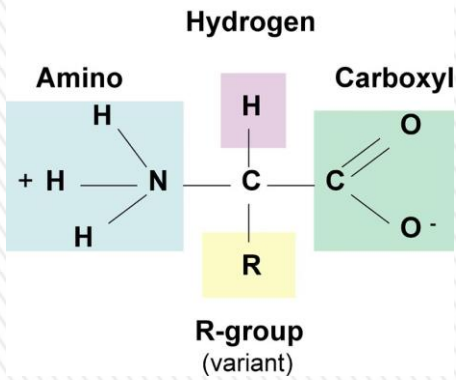




Nutritional Calories for the Soil Microbes

Amino Acid Structure



Protein Crumbles® is a vegetable source of protein built out of Amino Acids. Amino Acids are the building blocks of all Proteins and all life, essential for the construction of all life on Earth. Protein contains calories used by living creatures as energy, where every gram of protein contains 4 calories of energy. Within the molecular structure of Protein are the structures called Amino Acids and within the Amino Acid Structure is the part called the Amino which contains Nitrogen. We eat protein because we need Nitrogen just like plants need Nitrogen and the microbes of soil need Protein not only for the Nitrogen, but for the caloric energy.

Protein Crumbles® provides the following benefits:

- ✦ Supports Soil Ecology by providing protein needed for the Soil Food Web.
- ✦ Builds microbial biomass
- ✦ Increases crop yields
- ✦ Improves drought tolerance
- ✦ Improves Carbon Sequestering of the Soil by growing root and microbe biomass.
- ✦ Improves food nutrient density
- ✦ Provides Amino Acids which can be used by plants for Nitrogen uptake.
- ✦ Unlike Nitrogen fertilizers, Vegetable Protein does not have a salt index.
- ✦ Can replace Salt Index based Nitrogen fertilizer and meets the USDA NOP
- ✦ Improves the crop/vegetations tolerance of environmental stress



Contact us at:

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Food for the Soil's Microbial Community

Description: granulated vegetable protein from selected crops
Color: yellow/tan
Solubility: requires microbial digestion
Compatibility: with all organic input nutrients
Nutrition: 358 protein kcal/100 grams/53,588 calories per 2000 sq. ft.

Analysis Information:

Lab: Eurofins Scientific Inc. – Nutrition Analysis Center
Sample Description: Vegetable Protein blend
Client Sample Code: Protein Crumbles
Reporting Date: 05/12/2015
Client Code: QD0006401



Directions for Use and Application Rates:

We highly recommend applying this product directly to the surface of crops or landscapes. Do not mix into the soil!

Veggie Flats: Sprinkle on top like pepper on eggs		Landscape/Turf: 1 bag per 2000 sq. ft. (1 bag is .6 cubic feet)
Container Size	Amount of Solution	
4 in.	1 teaspoon	For Hydroseeding: 22 bags / acre
1 gallon	1 flat Tbsp	
3 gallon	1 rounded Tbsp	For Agriculture: 726 lbs / acre
5 gallon	¼ cup	



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