

BIOFUEL™ SP

PROMOTES BENEFICIAL PLANT NUTRITION

Biofuel™ SP is a high-performance, plant-derived fertilizer that promotes plant nutrition in all conditions. Biofuel™ SP provides readily available macronutrients to the plant and promotes beneficial microbial activity in the rhizosphere, leading to improved plant growth, yield, and soil nutrient conditions. At over 30% amino acid content by weight, Biofuel™ SP supplies readily available nitrogen as well as high levels of potassium, phosphorus, and organic matter in an easy-to-use, environmentally friendly fertilizer that can be applied alone or in conjunction with other organic or conventional fertilizers in any growing media and irrigation system. Suitable for indoor, greenhouse, and broad acreage crops, Biofuel™ SP is an innovative new fertilizer technology that powers plant growth with beneficial biology.



DIRECTIONS FOR USE

Mixing Instructions

Biofuel™ SP is soluble in water. Mix Biofuel™ SP with a desired amount of water, keeping below the limit of solubility (approximately 2.5 lbs/gallon). Use hot water to aid mixing at high concentrations. Agitation while mixing is recommended. Biofuel™ SP can be tank mixed with most other fertilizers, biological products, and pesticides. However, always check compatibility with other products first by jar-testing. Some small particulates may settle after mixing; agitate solution to resuspend if needed.

APPLICATION NOTES

BioFuel™ SP can help reduce or eliminate the need for conventional salt-based fertilizers without jeopardizing plant nutrition. Biofuel™ SP should typically be applied as a root drench at rates from 2-20 pounds per acre as needed during the growing season.

Biofuel™ SP can also be applied as a foliar fertilizer at rates of 0.7-1.0 pounds per acre as needed. For optimum results, use soil and plant tissue nutrient analyses to determine ideal application rates for your crop. Biofuel™ SP is compatible for use on most crop types. Always test new fertilizer application rates on a small portion of the crop before large scale applications.

GUARANTEED ANALYSIS

Nitrogen (N).....	7%
7.0% Water Soluble Nitrogen	
Available Phosphate (P ₂ O ₅).....	6%
Soluble Potash (K ₂ O).....	5%

Derived from: Corn steep liquor

APPLICATION RATES

FIELD (amount per acre per application):

Root Drench: 2 - 20 lbs (2.2-22kg/ha)

Foliar: 0.7 lbs - 1 lb (0.75-1kg/ha)

GREENHOUSE AND INDOOR

Root Drench: 0.1% - 1.0% (w/v)

Metric equivalent: 1-10g/L

US equivalent (approx.): 1 tsp - 2.5 tbsp/gallon

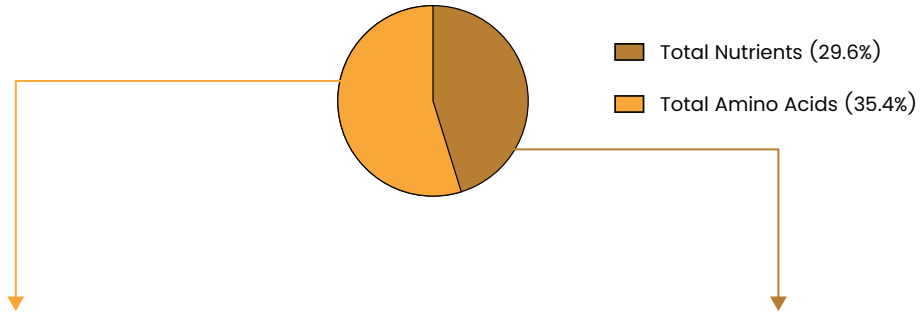
Foliar: 0.1% - 0.5% (w/v)

Metric equivalent: 1-5g/L

US equivalent (approx.): 1 tsp - 1 tbsp/gallon

WHAT'S INSIDE?

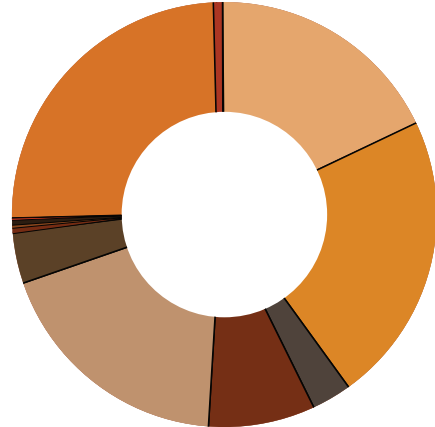
Total Biofuel SP Profile (in %)



Total Amino Acid Profile (in %)



Total Nutrient Profile (in %)



- | | | | |
|---------------|---------------|---------------|---------------|
| Aspartic Acid | Theronine | Serine | Glutamic Acid |
| Proline | Glycine | Alanine | Cystine |
| Valine | Methionine | Isoleucine | Leucine |
| Tyrosine | Phenylalanine | Lysine (tot.) | Hystidine |
| Arginine | Tryptophan | | |

- | | | | |
|--|-----------------|----------------|-------------------------|
| Phosphate (P ₂ O ₅) | Boron (tot) | Sulfur (tot) | Phosphorus (tot) |
| Potassium (tot) | Magnesium (tot) | Sodium (tot) | Iron (tot) |
| Calcium (tot) | Manganese (tot) | Arsenic (tot) | Copper (tot) |
| Nickel (tot) | Zinc (tot) | Nitrogen (tot) | Ammonium Nitrogen (tot) |

STORAGE AND DISPOSAL

For optimal product shelf life, store out of direct sunlight in a cool, dry location. Store bags unopened when possible. Dispose of per local, state, and federal regulations. Biofuel™ SP has a shelf life of approximately 2 years in unopened packages.



APPLICATION CHART (US/Imperial)

Add the following amount of Biofuel™ SP (in pounds) to each gallon of stock solution based on a desired final ppm N and dilution/injector ratio.

Desired feed rate (approximate)	Dilution ratio (injector ratio)			
	1:25	1:50	1:100	1:150
100 ppm N	0.3 lbs	0.6 lbs	1.2 lbs	1.8 lbs
150 ppm N	0.4 lbs	0.9 lbs	1.8 lbs	---
200 ppm N	0.6 lbs	1.2 lbs	2.4 lbs*	---

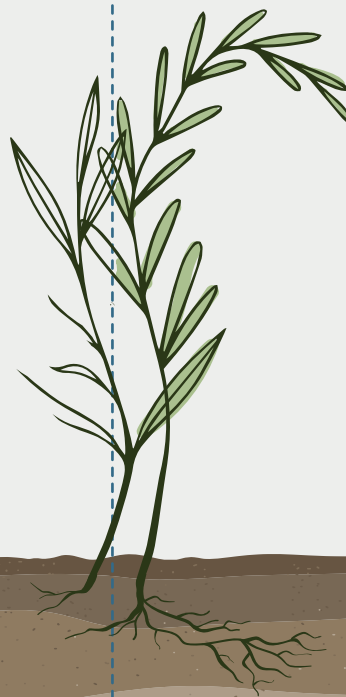
APPLICATION CHART (Metric)

Add the following amount of Biofuel™ SP (in grams) to each liter of stock solution based on a desired final ppm N and dilution/injector ratio.

Desired feed rate (approximate)	Dilution ratio (injector ratio)			
	1:25	1:50	1:100	1:150
100 ppm N	35.7g	71.4g	142.9g	214.3g
150 ppm N	76.5g	107.1g	214.3g	---
200 ppm N	71.4g	142.9g	285.7g	---

Without Biofuel™

With Biofuel™



03
Promote's plant nutrition
and soil biology

02
Foster's robust root and
plant development

01
Applying Biofuel™ SP results
in better plant development,
healthier soils, and
enhanced flower quality.

How Biofuel™ SP Works

1. Apply Biofuel™ SP during every stage of plant growth to promote plant nutrition in all conditions.
2. Biofuel™ SP has a readily available source of nitrogen, high levels of P & K, and a wide spectrum of amino acids to support plant growth and beneficial biology.
3. Biofuel™ SP helps plants thrive in all conditions and all environments for superior yield and flower quality.