ABSORBIO

CONTAINS NON-PLANT FOOD INGREDIENTS

Guaranteed Analysis - Soil Amending Ingredients

Active Ingredients
1%.....*Azospirillum brasilense* $5x10^7$ CFU/mL
0.5%.....*Pseudomonas fluorescens* $5x10^7$ CFU/mL

Total Other (Inert) Ingredients
98.5% ……Water-based culture medium

Purpose Statement

ABSORBIO is a liquid soil amendment composed of *Azospirillum brasilense* and *Pseudomonas fluorescens* bacteria, recommended for use on agricultural crops.
ABSORBIO may

- Fix atmospheric nitrogen
- Improve soil nutrient conditions
- Support rhizobial symbiosis with plant roots and seeds

Directions for Use

Seed Treatment: Agitate the product thoroughly before opening. Accurately measure and apply the recommended dosage uniformly to the desired seeds. Mix until all seeds are thoroughly coated. Allow seeds to dry prior to handling or planting. Plant seeds within 3 weeks after treatment. If not planted within 3 weeks, retreat seed. Avoid storing treated seeds in the sun or high temperature.

In-furrow: Agitate the product thoroughly before opening. Accurately measure and add the recommended dosage to sufficient amount of non-chlorinated clean water in appropriate In Furrow equipment tank. Apply product in furrow into the seed trench during planting.

Broadcast/Foliar Application: Agitate the product thoroughly before opening. Accurately measure and add the recommended dosage to sufficient amount of non-chlorinated clean water in application tank to achieve the desired coverage.

Ratoon cutting Application: Agitate the product thoroughly before opening. Accurately measure and add the recommended dosage to sufficient amount of non-chlorinated clean water in application tank to achieve the desired coverage. Direct application to the ratoon using a ratoon cutting disc: it must be applied close to the sugarcane billets in the planting furrow.

Spray Volume Requirements

Ground and Self-Propelled Applications: Apply a minimum spray volume of 5.0 gallons per acre.
Aerial Applications (Agricultural Aircraft): Apply a minimum spray volume of 3.0 gallon per acre.

Tank-mixing: When tank-mixed with chemical products or fertilizers, check compatibility by doing a jar test before. Apply within 4 hours after the mix preparation.

Dosage Chart

CROP/Application USE	Seed treatment	In-furrow	Broadcast/ Foliar application	Ratoon cutting
Barley (*Hordeum vulgare*)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Beans (*Phaseolus vulgaris*)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Canola (*Brassica napus*)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Corn *(Zea mays)*	2.6 fl. oz. per 1 cwt or 1.04 fl. oz. per seed unit*	4.0 fl oz/ A	7.0 fl oz/ A	
Cotton *(Gossypium hirsutum* L.*)*	2.6 fl. oz. per 1 cwt or 1.3 fl. oz. per seed unit**	4.0 fl oz/ A	7.0 fl oz/ A	
Oats (*Avena sativa* L.)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Peanut (*Arachis hypogaea*)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Pulses	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Potato (*Solanum tuberosum*)	----	4.0 – 5.5 fl oz/ A	7.0 fl oz/ A	
Pasture and non-crop turf	0.5 fl oz/ per pound of seed	4.1 fl oz/ A	7.0 fl oz/ A	
Rice (*Oryza sativa*)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Rye (*Secale cereale*)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Sorghum (*Sorghum bicolor* L.)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Soybean (*Glycine max*)	2.6 fl. oz. per 1 cwt or 1.6 fl. oz. per seed unit***	4.0 fl oz/ A	7.0 fl oz/ A	

Sugar cane (*Saccharum officinarum*)	----	7.0 fl oz/ A	7.0 – 14.0 fl oz/ A	7.0 fl oz/ A
Tomato (*Solanum lycopersicum*)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	
Wheat (*Triticum aestivum* L.)	2.6 fl. oz. per 1 cwt	4.0 fl oz/ A	7.0 fl oz/ A	

*seed unit of corn: 80,000 seeds
**seed unit of cotton: 230,000 seeds
***seed unit of soybean: 140,000 seeds

Storage and Disposal: Use before expiration date. Store packages on designated pallets. Do not store close to food for humans or animals. Always keep the package in a covered, ventilated place, protected from light at room temperature (15°C - 25°C or 59 °F - 75°F). Do not expose the product or treated seeds to the sun, including during transport. Keep the package closed until use. Use all contents after opening the package do not store and use leftovers. If empty, offer for recycling, if available, or discard contents according to local ordinances.

Limitations of Use: Unsuitable for direct ingestion by human or animal. Exclusively for agricultural use. Use under the consultation of a licensed agronomist.

Warning: Read and follow all the instructions on label and packaging. This is a biological product, therefore, variations of color and odor from one batch to another are expected. The manufacturer guarantees the product quality but does not assume the risks and damages for inappropriate application, storage and/or transport.

KEEP OUT OF REACH OF CHILDREN

Florida License No. F003682

Net Content: 1 gal (3.78 L)
Net Weight: 8.33 lbs. (3.78 kg)
Density: 8.33 lbs/gal (1.00 g/cm^3) at 68°F

Guaranteed By:
Biotrop LLC
747 SW 2nd Ave, Suite 395
Gainesville, FL, 32601
USA
+1(352) 574-3424

Expiration Date: 18 months from manufacturing date
MANUFACTURING DATE, EXPIRY DATE, and BATCH Number: SEE PRINT ON PACKAGING.