SYMVADO™ ST

Concentrated liquid formulation containing MycoApply® to promote:

- Root mass expansion
- Nutrient efficiency
- Drought tolerance
- Soil Health

Manufactured for:
Valent BioSciences LLC
1910 Innovation Way, Suite 100
Libertyville, IL 60048 USA
www.valentbiosciences.com

Manufactured & Guaranteed by: Mycorrhizal Applications LLC
710 NW E Street Grants Pass, OR 97526 USA

Net Vol. 500 ml (0.53 qt) • Net Wt. 555 g (19.58 oz)

AS30340 V1

SYMVADO™ ST

CONTAINS NON-PLANT FOOD INGREDIENTS:

Soil Amending Guaranteed Analysis 8.73% Total Active Ingredients

Glomus intraradices .....(5,625 propagules/ml)
Glomus mosseae.....(5,625 propagules/ml)
Glomus aggregatum .....(5,625 propagules/ml)
Glomus etunicatum.....(5,625 propagules/ml)

91.27% Total Inert Ingredients (Carrier)

"This Product is not a Plant Food"

Information regarding the contents and levels of metals in this product is available on the internet at: http://www.aapfco.org/metals.html

STORAGE CONDITIONS: Product can be stored in a cool, dry area out of direct sunlight without loss of viability. Do not freeze.

WARNING: Wear protective clothing/eye protection/impervious gloves. Wash hands and face thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid breathing fumes/ mist/vapor/spray. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Dispose of contents/container in accordance with local/regional/national regulations.

SYMVADO™ ST

General Information

Symvado ST is a biological product that enhances plant, root, and soil health. *Symvado ST* contains a four species consortium of arbuscular mycorrhizal fungi (AMF) that are scientifically selected for different soils, environments, and agricultural cropping systems to provide critical plant functions throughout the crop cycle. AMF form symbiotic associations with most agriculturally important crops[1].

Symvado ST improves nutrient acquisition and efficiency, optimizes fertilizer availability, and improves water acquisition and retention to mitigate abiotic stress that contributes to reduced crop productivity.

Symvado ST contains 22,500 AMF propagules per milliliter.

[1] Arbuscular mycorrhizal fungi do NOT form associations with the following crops: blueberry, cranberry, lingonberry, pecan, hazelnut, brassica, and beet. For additional information consult your crop advisor or Valent BioSciences (1-877-696-4204).

GENERAL USE INSTRUCTIONS

Symvado ST is a liquid formulation that can be applied as a seed treatment prior to planting.

- Direct the application of *Symvado ST* near the seed or living plant root to allow the mycorrhizal fungi to contact and colonize the developing plant roots.
- *Symvado ST* is most effective in crops subjected to stress from marginal soils, hot & dry conditions, and where nutrient availability is constrained.

COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

Pre-test tank mixtures with other seed treatment products to evaluate formulation compatibility and to ensure proper physical compatibility of products. Follow more restrictive limitations or cautions on labels of all products used in a seed treatment mixture. Do not tank mix with any products which contain a prohibition on tank mixing.

For further information consult your Valent BioSciences Agricultural Specialist.

APPLICATION PREPARATION

Application equipment must be clean and free of previous pesticide deposits before applying *Symvado ST*. Fill mixing tank ¼ to ½ full of water or seed treatment slurry. *Symvado ST* should be directly added to the mix tank as the last ingredient. Mix thoroughly to fully disperse the product. Once dispersed and suspended, continued agitation is required (mechanical or hydraulic). Avoid storage of mixed seed treatment slurry for periods greater than 24 hours. Re-suspension of the seed treatment slurry solution after storage is critical for even distribution and application.

IMPORTANT: After mixing with water, shake or stir vigorously. Maintain continuous agitation in the mix tank during mixing and application to assure a uniform suspension. When spraying *Symvado ST*, use filters or screens no smaller than #50 mesh.

SEED QUALITY AND STORAGE OF TREATED SEED

Seed treatments applied to low vigor or poor quality seed or too mechanically damaged seed may result in loss of seed germination or reduced seedling vigor. Use proper storage conditions for treated seed. Due to seed quality and seed storage conditions beyond the control of Valent BioSciences LLC or Mycorrhizal Applications LLC, no claims are made to guarantee the germination of carry-over treated seed.

SEED BAG TAG

The Federal Seed Act requires that the container of seed treated with *Symvado ST* must be labeled with the following statements:

- This seed has been treated with *Symvado ST* which contains mycorrhizal fungi.
- Store away from feeds and other foodstuffs.
- Dispose of all excess treated seed. Leftover treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Dispose of seed packaging in accordance with local requirements.

APPLICATION INSTRUCTIONS

APPLICATION	USE RATE	INSTRUCTIONS
Cereals (Wheat [Spring, Winter, Durum], Barley, Oats, Rye, Sorghum, Triticale, Popcorn, Millet)	0.19 fl oz per 100 lbs of seed (6.19 ml per 50 kg of seed)	Application rate is based on 70 lbs of seeds per acre of planting. Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed.
Corn (Field corn grown for grain and silage, Field corn grown for seed, Popcorn, Sweet corn, Sweet corn grown for seed)	0.35 fl oz per 80,000 seeds (10.35 ml per 80,000 seeds)	Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed.

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APPLICATION INSTRUCTIONS (Continued)

APPLICATION	USE RATE	INSTRUCTIONS
Rice (Hybrid)	0.65 fl oz per 100 lbs of seed (21.20 ml per 50 kg of seed)	Conventional rice rate based on seeding rate of 70 lbs per acre. Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed.
Rice (Conventional)	0.19 fl oz per 100 lbs of seed (6.19 ml per 50 kg of seed)	Conventional rice rate based on seeding rate of 70 lbs per acre. Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed.

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APPLICATION INSTRUCTIONS (Continued)

APPLICATION	USE RATE	INSTRUCTIONS
Legumes (Soybean, Dry Bean, Succulent Bean, Dry Pea, Lupine, Chickpea)	0.13 fl oz per 140,000 seeds (3.85 ml per 140,000 seeds) 0.26 fl oz per 100 lbs of seed (8.48 ml per 50 kg of seed)	Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed. Plant treated seed within 30 days of treatment.
Sorghum	0.35 fl oz per 100,000 seeds	Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed. Plant treated seed within 30 days of treatment.
Cotton	0.32 fl oz per 100,000 seeds (9.47 ml per 100,000 seeds)	Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed.

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APPLICATION INSTRUCTIONS (Continued)

APPLICATION	USE RATE	INSTRUCTIONS
Forages (Alfalfa, Velvet Bean, Clover, Lespedeza, Lupin, Vetch, Sainfoil, Trefoil)	1.3 fl oz per 100 lbs of seeds (42.38 ml per 50 kg of seeds)	Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed.
Sunflower	0.72 fl oz per 100 lbs of seeds (23.48 ml per 50 kg of seeds)	Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed. Plant treated seed within 30 days of treatment.

For additional crop or application recommendations, other than those listed in this label, consult your crop advisor or Valent BioSciences (1-877-696-4204).

Always read and follow label instructions.