



EndoFuse™ is a concentrated liquid mycorrhizal inoculant containing 4 top performing endomycorrhizal fungi, formulated for use as a seed treatment or seed coat for row crops.

MycoApply® EndoFuse™

CONTAINS NON-PLANT FOOD INGREDIENTS:

Soil Amending Guaranteed Analysis

8.73% Total Active Ingredients.

| | |
|--------------------------------------|-----------------------|
| <i>Glomus intraradices</i> | (5,625 propagules/ml) |
| <i>Glomus mosseae</i> | (5,625 propagules/ml) |
| <i>Glomus aggregatum</i> | (5,625 propagules/ml) |
| <i>Glomus etunicatum</i> | (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 (less than 140°F) 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.

GENERAL INFORMATION

MycoApply EndoFuse is a liquid seed coat formulation that contains living propagules of multiple species of arbuscular mycorrhizal fungi that colonize the rhizosphere of plants in a symbiotic manner. The mycorrhizal fungi expand out beyond the plant roots or rhizosphere region of the soil surrounding the plant roots to acquire nutrients and water.

Arbuscular mycorrhizal fungi form symbiotic associations with roots of most agriculturally important crops¹. *MycoApply EndoFuse* improves plant vigor by enhancing the root system’s ability to efficiently

¹ For additional crop recommendations, other than those listed in this label, consult your crop advisor or Valent Agricultural Specialist (1-800-6-VALENT).

absorb water and nutrients under variable environmental conditions throughout the entire crop cycle.

MycoApply EndoFuse contains 22,500 propagules per milliliter of the following four endomycorrhizal species: *Glomus intraradices*, *Glomus mosseae*, *Glomus aggregatum*, *Glomus etunicatum*.

GENERAL USE INSTRUCTIONS

MycoApply EndoFuse is a liquid formulation that can be applied as a seed treatment prior to planting.

- *MycoApply EndoFuse* is formulated for seed application to a wide range of crops.
- The closer the proximity between the root and mycorrhizal propagules, the more quickly the plant will become colonized by mycorrhizae and the more quickly the mycelial network will form to provide benefits to the plant.
- *MycoApply EndoFuse* is most effective when the host plant requires nutrients for optimal plant growth; excessively high levels of available phosphorous fertilizer used at planting may increase the time required for *MycoApply EndoFuse* to colonize the plant.
- *MycoApply EndoFuse* is able to utilize both biologically available and unavailable forms of phosphorus for use by the host plant. Therefore, confirm the phosphorus (all forms) content of the soil with a soil analysis when making supplemental phosphorus applications.

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. Plant treated seed within 6 months of treatment with *MycoApply EndoFuse*.

For further information consult your Valent Agricultural Specialist.

APPLICATION PREPARATION

Application equipment must be clean and free of previous pesticide deposits before applying *MycoApply EndoFuse*. Fill mixing tank 1/4 to 1/2 full of water or seed treatment slurry. *MycoApply EndoFuse* 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 *MycoApply Endo-*

Fuse, 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 to 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 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 *MycoApply EndoFuse* must be labeled with the following statements:

- This seed has been treated with *MycoApply EndoFuse* 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 FOR CROP CATEGORIES

| CROP | APPLICATION | USE RATE |
|--|----------------|---|
| Cereals (Wheat [Spring, Winter, Durum], Barley, Oats, Rye, Sorghum, Triticale, Popcorn, Millet) | Seed Treatment | 0.19 fl oz per 100 lbs of seed (6.19 ml per 50 kg of seed) |
| <ul style="list-style-type: none"> • Application rate is based on 70 lbs of seed per acre of planting. • Apply <i>MycoApply EndoFuse</i> to mix tank prior to applying the seed. • Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed. | | |

(continued)

APPLICATION INSTRUCTIONS FOR CROP CATEGORIES (continued)

| CROP | APPLICATION | USE RATE |
|---|----------------|--|
| Corn (Field corn grown for grain and silage, Field corn grown for seed, Popcorn, Sweet corn, Sweet corn grown for seed) | Seed Treatment | 0.35 fl oz per 80,000 seeds (10.35 ml per 80,000 seeds) |
| <ul style="list-style-type: none"> • Apply <i>MycoApply EndoFuse</i> to mix tank prior to applying the seed. • Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed. | | |

| CROP | APPLICATION | USE RATE |
|---|----------------|--|
| Rice (Hybrid) | Seed Treatment | 0.65 fl oz per 100 lbs of seed (21.20 ml per 50 kg of seed) |
| Rice (Conventional) | Seed Treatment | 0.19 fl oz per 100 lbs of seed (6.19 ml per 50 kg of seed) |
| <ul style="list-style-type: none"> • Hybrid rice rate based on seeding rate of 20 lbs per acre. • Conventional rice rate based on seeding rate of 70 lbs per acre. • Apply <i>MycoApply EndoFuse</i> to mix tank prior to applying the seed. • Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed. | | |

(continued)

**APPLICATION INSTRUCTIONS
FOR CROP CATEGORIES (continued)**

| CROP | APPLICATION | USE RATE |
|--|-------------------|--|
| Legumes (Soybean, Dry Bean, Succulent Bean, Dry Pea, Lupine, Chickpea) | Seed Treatment | 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) |
| <ul style="list-style-type: none"> • Apply <i>MycoApply EndoFuse</i> to mix tank prior to applying the 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. | | |

| CROP | APPLICATION | USE RATE |
|--|-------------------|--|
| Sorghum | Seed Treatment | 0.35 fl oz per 100,000 seeds (10.35 ml per 100,000 seeds) |
| <ul style="list-style-type: none"> • Apply <i>MycoApply EndoFuse</i> to mix tank prior to applying the 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. | | |

| CROP | APPLICATION | USE RATE |
|---|-------------------|---|
| Cotton | Seed Treatment | 0.32 fl oz per 100,000 seeds (9.47 ml per 100,000 seeds) |
| <ul style="list-style-type: none"> • Apply <i>MycoApply EndoFuse</i> to mix tank prior to applying the seed. • Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed. | | |

(continued)

**APPLICATION INSTRUCTIONS
FOR CROP CATEGORIES (continued)**

| CROP | APPLICATION | USE RATE |
|---|-------------------|---|
| Forages (Alfalfa, Velvet Bean, Clover, Lespedeza, Lupin, Vetch, Sainfoil, Trefoil) | Seed Treatment | 1.3 fl oz per 100 lbs of seed (42.38 ml per 50 kg of seed) |
| <ul style="list-style-type: none"> • Apply <i>MycoApply EndoFuse</i> to mix tank prior to applying the seed. • Apply sufficient volume of seed treatment mixture to provide adequate coverage and distribution of the seed. | | |

| CROP | APPLICATION | USE RATE |
|--|-------------------|--|
| Sunflower | Seed Treatment | 0.72 fl oz per 100 lbs of seed (23.48 ml per 50 kg of seed) |
| <ul style="list-style-type: none"> • Apply <i>MycoApply EndoFuse</i> to mix tank prior to applying the 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. | | |

Products That Work, From People Who Care is a registered trademark of Valent U.S.A. LLC.

EndoFuse is a trademark and *MycoApply* is a registered trademark of Mycorrhizal Applications LLC.

©2018 Mycorrhizal Applications LLC

A product of Mycorrhizal Applications LLC

Guaranteed by:

Mycorrhizal Applications LLC

710 NW E Street

Grants Pass, OR 97526 USA

1-866-476-7800

www.mycorrhizae.com

Distributed by:

Valent U.S.A. LLC

P.O. Box 8025

Walnut Creek CA 94596-8025

Information contained in this booklet is accurate at the time of printing. Since product testing is a continuous process, please read and follow the directions on the product label for the most current directions and precautionary statements.

Always check with your state to verify state registration status or call 800-6-VALENT (682-5368).



For state registration and/or supplemental labels, please call or visit us online.

Products That Work, From People Who Care® | valent.com | 800-6-VALENT (682-5368)

Always read and follow label instructions.

©2018 Valent U.S.A. LLC. All rights reserved. Printed in the U.S.A.