



MYCORRHIZAL INOCULANT

Rhizophagus irregularis

Contains | A minimum of 2,000 spores/g
A minimum of 50,000,000 propagules/lb

Packaging | 11 lb (5 kg) bags

Storage | 24 months at 77 °F (25 °C) or less under non-humid conditions, in the original sealed packaging.



POWDER

LALRISE PRIME

Improves plant nutrition, growth, drought tolerance and yield potential in crop rotations

LALRISE® PRIME is a one-step system that provides a convenient and robust inoculant containing bio-encapsulated spores of a carefully selected and versatile endomycorrhiza strain, to optimize on-seed survival. It was specially formulated and developed for bulk treatment by seed processors or on-farm applications. The micron-sized powder formulation allows for uniform and optimized adhesion to the seeds and reduced dust-off of the product in your daily operations.

BENEFITS

Seed Processors

- Easy one-step application
- Provides optimized on-seed survival and extended shelf-life
- Allows uniform adhesion on seeds
- Reduces dust-off in day-to-day operations
- **Compatible with all *Rhizobia* inoculants**

Growers

- Increases yields and growth
- Improves nutrients and water absorption
- Increases tolerance to drought
- Maximizes plant survival rate
- Faster and stronger roots establishment
- Better soil structure to prevent erosion
- Benefits transferable in crop rotation

Instructions for use

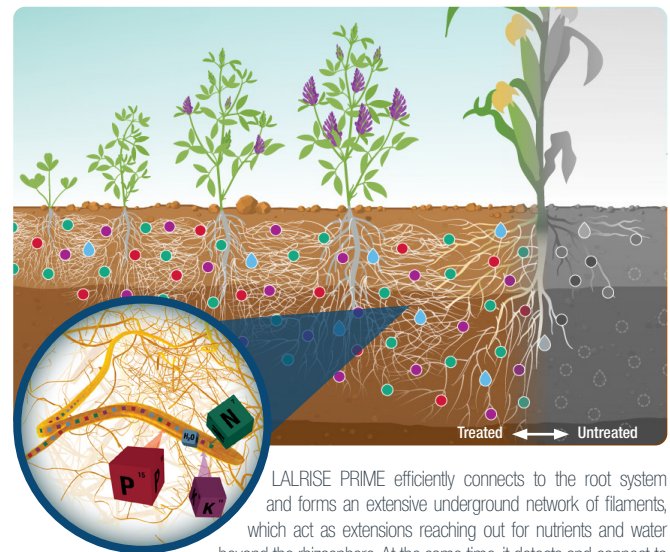
(ex.: alfalfa, clovers, grasses, legumes and seed mixes)

Batch system: This method can provide repeated application of LALRISE PRIME with a potential reduction of calibration time. In batch seed mixing systems, the seed is first loaded into the mixer. The proper amount of powder is then added to the operating mixer and blended until the seed is uniformly coated.

Continuous system: This method requires initial calibration of seed flow and LALRISE PRIME delivery, combined with periodic verification. Standard continuous seed treating equipment can be modified to provide an adapted treating system. LALRISE PRIME is metered into the auger mixing chamber to provide uniform application.

Crop	Application rates ¹	Treated seed per 11 lb bag (up to)	Cases	Treated seed per case (up to)
Alfalfa, sweet clovers	1.75–3.5 oz. per 50 lb of seeds	2,500 - 5,000 lb	3 x 11 lb	7,500 - 15,000 lb
White, ladino and alsike clovers	3.5–7.0 oz. per 50 lb of seeds	1,250 - 2,500 lb		3,750 - 7,500 lb
Grasses, legumes and seed mixes	1.75–7.0 oz. per 50 lb of seeds	1,250 - 5,000 lb		3,750 - 15,000 lb

Made with MYCONNECT®



LALRISE PRIME efficiently connects to the root system and forms an extensive underground network of filaments, which act as extensions reaching out for nutrients and water beyond the rhizosphere. At the same time, it detects and connects to surrounding mycorrhizal high-density crops and benefits from the existing amplified network.

¹ In some cases, application rate may vary based on seeding rate, soil type, climate zone or combination with another microbial technology from Lallemand Plant Care. Please inquire to your local sales representative for more information about specific application rate recommendations.

Compatibility: Ask your distributor for compatibility with chemicals, plant types and other microbial-based products.

Conditions at applications: Optimal temperature between 50°F and 86°F (10°C and 30°C). Apply dry on seeds, directly from the package, and mixed until the seeds are uniformly coated. Calibrate the seed flow and product application rates to achieve the desired coverage. Do not apply as foliar treatment, to dry soils, under high temperature conditions or in micro-, drip-irrigation systems. This product can cause clogging in filtration systems.

✓ RESULTS

COVER CROPS AND CROP ROTATION

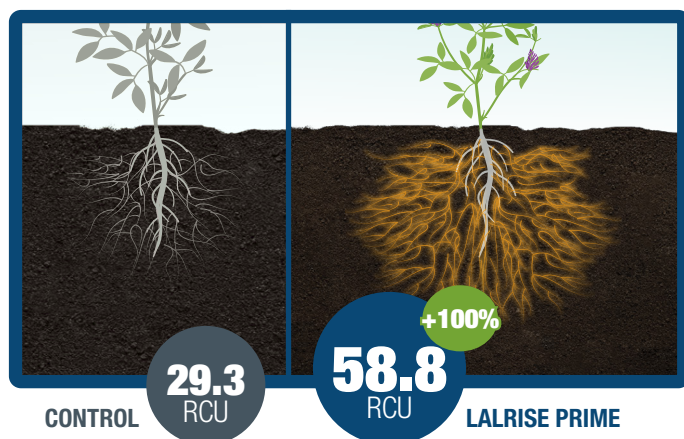
APPLIED ON COVER CROPS

APPLIED IN CROP ROTATION

- Trial on vetch (*vicia sativa*) and clover
France
Soil type: sandy loam

Increase of mycorrhization frequency

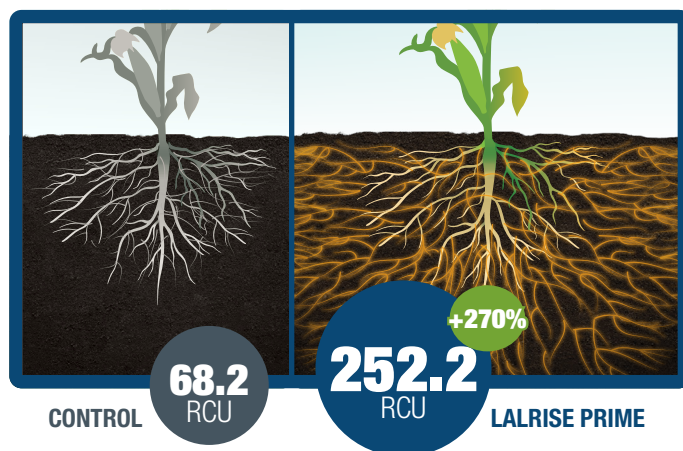
Effect of on cover crops roots mycorrhization frequency one year after application (root colonization units – RCU)



- Trial on corn
France
Soil type: sandy loam

Increase of mycorrhization frequency

Effect of on corn roots mycorrhization frequency following cover crops in rotation (root colonization units – RCU)



Benefits transferred to the next crops in rotation

Increase in yield

Effect of on corn dry yield following cover crops in rotation (bu/Acre)

