LALRISE PRIME

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. LALRISE® PRIME active ingredient connects to the root system and form an extensive underground network of hyphal filaments, which act as extensions to reach beyond the rhizosphere area. It improves plant absorption capacity (water, macro-and micro-nutrients) and drought tolerance, and therefore may increase overall crop quality and yields.

MyConnect TECHNOLOGY

MYCONNECT® TECHNOLOGY combines specific inactivated yeasts with LALLEMAND PLANT CARE mycorrhizae, offering a patented synergy that accelerates root colonization for better access to benefits.

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

CONTAINS NON-PLANT FOOD INGREDIENT

Soil-Amending Guaranteed Analysis
ACTIVE INGREDIENTS:
Total Microbe
Rhizophagus irregularis..... 2,000 spores/g
10% Inactivated Yeasts (improve root colonization)

INERT INGREDIENT:
Kaolin Clay

STORAGE AND HANDLING RECOMMENDATIONS

Store in a cool, dry location in the original, unopened packaging. Use before expiration date stated on the package. The expiration date is valid only for unopened bags stored under cool, dry conditions. Open packages must be resealed and kept under the same conditions for no more than six months.

Do not expose to freezing or temperatures > 95 °F (> 35 °C).

Unused product should be disposed of in accordance with applicable federal, provincial or state, and municipal laws and regulatory guidelines.

Batch No.: See printing on the bag | **Expiration date:** See printing on the bag

Made in Estonia

7 640182 123406

NET WEIGHT:
2.2 lb (1 kg)

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

The active ingredient in LALRISE® PRIME is naturally occurring arbuscular mycorrhiza fungal spores. Persons allergic to bacteria and/or fungi and immune-deficient individuals should avoid using this product. Avoid exposure through inhalation, or to open wounds and eyes. Standard protective clothing and equipment including gloves, safety goggles and a NIOSH (The National Institute for Occupational Safety and Health) or MSHA (the Mine Safety and Health Administration) approved respirator are recommended during handling and storage. Use this product in well-ventilated areas.

In case of contact with skin or eyes, immediately flush exposed areas with a continuous gentle stream of clean water. In case of inhalation, remove person to fresh air. In case ingestion, do not induce vomiting but rinse mouth with water. Seek medical attention if discomfort or irritation develops. Medical treatment should be based on the judgement of the physician in response to reaction of the patient.

Guaranteed by:
Danstar Ferment AG /
LALLEMAND PLANT CARE
Poststrasse 30
CH-6300 Zug, Switzerland

Marketed and distributed by:
Lallemand Specialties Inc. /
LALLEMAND PLANT CARE
6120 West Douglas Avenue
Milwaukee, WI 53218 USA
1-844-590-7781

9LKU1KARP-01/25

LALLEMAND

Peel back
for instructions.
PRESS TO RESEAL.

SPECIMEN

LALRISE PRIME

Improves plant nutrient uptake and drought tolerance, therefore may increase growth and yields

For: Industrial seed processor and on-farm seed treatment
Open field agricultural use
Forage crops, cover crops and intercrops

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Rhizophagus irregularis..... 2,000 spores/g
10% Inactivated Yeasts (improve root colonization)

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HOW IT WORKS

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. LALRISE® PRIME active ingredient connects to the root system and form an extensive underground network of hyphal filaments, which act as extensions to reach beyond the rhizosphere area. It improves plant absorption capacity (water, macro- and micro-nutrients) and drought tolerance, and therefore may increase overall crop quality and yields.

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APPLICATION DIRECTIONS

For Agricultural use:

Cereals, including but not limited to: Carley, canary seed, corn (silage and grain), durum wheat, millet, oats, rye, sorghum, spelt, triticale, rice, wheat

Legumes (fresh and dry pulses), including but not limited to: Beans, chick peas, lentils, peas, soybeans, fava beans

Herbaceous legumes, including but not limited to: Peanuts, soybean, beans, alfalfa, lucerne, hairy vetch, sweet clovers, red clovers, white clovers, ladino, alsike clovers, crimson clovers, berseem clovers

Tree legumes, including but not limited to: Mulga, silk trees, belmont siris, lebbeck, earpodtree, leadtree

Oilseeds, including but not limited to: Borage, evening primrose, flax, hemp, linseed, meadowfoam, poppy, pumpkin seed, safflower, sesame, sunflower, cotton

Grasses, including but not limited to: Ryegrass, sudan grass, sorghum-sudan hybrids, fescue, wheatgrass, bentgrass, bluestem, bromegrass, bermudagrass, orchard grass, bluegrass

Cover crops, including but not limited to: Cereals, phacelia, grasses, legumes, grass-legume seed mixes

Silage, including but not limited to: Alfalfa, maize, sorghums, oats, grass-legume mixes

1. APPLICATION RECOMMENDATIONS

- For best results, apply at a temperature between 50 °F and 86 °F; 10 °C and 30 °C.
- 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.
- LALRISE® PRIME may be applied conveniently in either a batch or continuous seed mixing system. Alternatively, it can be applied on-farm at the time of planting.

2. MIXING RECOMMENDATIONS

For optimal results, the product should be applied dry on seeds, directly from the package, and mixed until the seeds are uniformly coated. It may be necessary to calibrate the seed flow and product application rates to achieve the desired coverage.

3. COMPATIBILITY

3.1 With chemicals: LALRISE® PRIME can be tank-mixed with most fertilizer solutions and is compatible with most insecticides, herbicides and fungicides. Before mixing with pesticides, please inquire to your local sales representative for specific compatibility advice and recommendations.

3.2 With plant types: LALRISE® PRIME is compatible with most plants and crops, except members of the *Brassicaceae* (including but not limited to canola), *Poligonaceae* (including but not limited to buckwheat) and *Chenopodiaceae* (including but not limited to sugar beet, quinoa, mustard) families.

3.3 With other microbial-based products: LALRISE® PRIME is compatible with all *Rhizobia* inoculants and with other microbial technologies offered by Lallemand Plant Care. Some technologies may be able to synergize their benefits on plants; certain recommendations may apply. If using this product in combination with another microbial product, please inquire to your local sales representative for more information.

4. APPLICATION TIMING

Industrial seed processor: As a layer of the seed coating recipe.
On-Farm application: Mixed with seeds before planting.

5. APPLICATION RATES AND INSTRUCTIONS FOR USE

5.1 For industrial seed processor
(ex.: alfalfa, clovers, grasses, legumes and seed mixes)

5.1.1 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.

5.1.2 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.

Application rate[1]:

- **Alfalfa, sweet clovers:** 1.75 – 3.5 oz. per 50 lb of seeds; 50 – 100 g per 22.7 kg of seeds
- **White, ladino and alsike clovers:** 3.5 – 7.0 oz. per 50 lb of seeds; 100 – 200 g per 22.7 kg of seeds
- **Grasses, legumes and seed mixes:** 1.75 – 7.0 oz. per 50 lb of seeds; 50 – 200 g per 22.7 kg of seed

SPECIMEN

5.2 For On-Farm application:

5.2.1 Mixing with seeds: LALRISE® PRIME can be applied by mixing the product with seeds before or at the time of planting. The powder can be mixed directly in the planter box, the hopper, or pre-mixed in a tank prior to loading the seed in the planter.

Application rate[1]: 1.5 oz. per acre; 100 g per ha of seeds

[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.*

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LALRISE® PRIME uses patented technology and is a registered trademark of Danstar Ferment AG / LALLEMAND PLANT CARE.

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

LIMITED WARRANTY

Danstar Ferment AG / LALLEMAND PLANT CARE ("Danstar") warrants only that this product conforms to the product description on this label and is reasonably fit for the purposes set forth in the Directions for Use when used in accordance with them. However, ineffectiveness or other unintended consequences may result because of such factors as the use, storage or handling of the product contrary to the label instructions, all of which are beyond the control of Danstar.

To the extent consistent with applicable law, Danstar shall not be liable for indirect or consequential damages resulting from the use, storage or handling of this product.

DANSTAR MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

SPECIMEN

LALLEMAND