FACTS & FIGURES…

REN-YIELD Dry has been shown to increase the microbial activity around the roots of plants from germination through growth and development. Acting as a soil inoculant, it lives in symbiosis with most plants, where the plant provides sugars and discarded waste materials so that fungi and bacteria can live, grow and reproduce. The bacteria and fungi supply nutrients which the plant benefits from as it grows. Furthermore, they also help to retain more moisture in the soil, provide a protective zone around the plant and aggregate the soil. This helps to make the soil both healthier and biologically active.

Research trials by numerous universities over several years have shown excellent results not only with evidence of substantial root development of treated over control, but in terms of an increase in bushels per acre (bu/a).

- Corn hybrids show yields of 99.9 bu/a (untreated/control) versus 112.6 bu/a (treated) with this product. That is **an increase in 12.7 bu/a**! In a related trial, similar results yielded **an increase of 10.6 bu/a** when seed was treated with ***REN-YIELD Dry***.
- An independent study on comparative plots (Indiana) showed **an increase of 13.16 bu/a; 9.99 bu/a; and 11.58 bu/a** on a 108-day RM Roundup® corn hybrid.
- A summer trial (Ohio) using a 109-day RM corn, by a third-party participant observed in a side-by-side test plot: a) Excellent emergence where ***REN-YIELD Dry*** was used; and b) progressively visible improvement of treated plots throughout the growing season – and an increase of **6.88 bu/a**!
- University trials on soybeans, using two varieties (and four replications of each variety), showed an **increase of 3.2 bu/a** on treated plots.
- A 3-year independent study on soybeans showed **an average increase in of 4.8 bu/a** on treated plots over the control/untreated plots.
- Similar results have been noted when this product has been applied to most forage species, such as alfalfa, grasses and small grains. Its use on many plants has been evidenced and documented.

The inclusion of multiple endomycorrhizal species in the formulation of this product can provide numerous benefits, as it becomes an investment in quality, healthy soil that is biologically active, helping to grow healthy crops with an increase in ultimate yields!

Apply ***REN-YIELD Dry*** when you plant (see directions) and see results. This product has been shown to be effective in a wide variety of soil and climatic conditions. The impact of certain weather-related conditions may impact any seed; however, this product will perform under almost any planting scenario… for results!

REN-YIELD Dry… **a unique biological forage growth stimulant.**

Renaissance… *growing Results!*

RENAISSANCE NUTRITION

REN DRY YIELD

a unique biological forage growth stimulant

REN YIELD-Dry is a custom-formulated seed treatment designed to enhance forage yield, growth and quality. This product is a unique blend of bacteria and fungi, including *endomycorrhizae*, which promotes vigorous plant growth from the moment of planting.

REN YIELD-Dry also contains nutrient sources that will support these microorganisms as they break dormancy. Our blend of bacteria and fungi will aggressively colonize the rhizosphere of new plants as they begin to make roots and grow. An active, healthy rhizosphere will benefit the plant for its lifetime.

Application and usage rates may vary by species and seed size. Small seeds require higher application rates, while large seeds need lower usage rates. Recommended application rates include:

- **Corn: 2 ounces / 40 lb. bag**
- **Clover / Alfalfa: 4 ounces / 50 lb. bag**
- **Sorghum Sudan: 2 ounces / 50 lb. bag**
- **Wheat/Triticale/Grasses and other Grain(s)*: 2 – 4 ounces / 50 lb. bag**
- **Soybeans: 2 ounces / 50 lb. bag**

We recommend that at planting time you carefully consider application rates based on seed size and seeds per acre to be planted (i.e. when planting soybeans at 200,000 seeds per acre you may reduce the application rate to 1 ounce / 50 lb. bag without compromising the end result).

REN YIELD-Dry may be applied in the planter box at the time of planting by measuring the desired amount for the weight in each box, adding it to the top of each box of seed and gently stirring this product into the seed using your hand, or a stick or paddle. Applying more than the recommended amount will not harm the new plant growth; however, this is not necessary and becomes a cost rather than an investment. ***REN YIELD-Dry*** may be applied to all crops and seeds.

This product must be kept completely dry. Reseal packaging after use to help ensure viability for future applications. It is recommended that it is stored in a dark, dry location without exposure to excessive heat or light. When using dry products, always use proper safety equipment such as dust masks, goggles, gloves, etc.

REN YIELD-Dry is an all-natural product and can be used by traditional and organic growers. It contains no Genetically Modified Organisms (GMO) and meets requirements for organic production. *It is each certified organic producer's responsibility to obtain approval from their certifying agency before using this or any product indicated as 'allowed' for organic use.* It is an OMRI listed product. Contact Renaissance for listing certificate. It may be used for organic or non-organic production.

OMRI LISTED For Organic Use

Manufactured and Blended for

RENAISSANCE NUTRITION, INC.

P.O. Box 229 ◆ Roaring Spring, PA 16673

1.800.346.3649

www.rennut.com

NET WEIGHT: 16 ounces (454 g)

MATERIAL SAFETY DATA SHEET

Product Name: REN-YIELD *Dry* January 2004

Section 1 - Manufacturer Identification

AgriEnergy Resources
21417 1950E Street
Princeton, IL 61356 USA

Phone: (815) 872-1190
Fax: (815) 872-1928
E-Mail: info@agrienergy.net

Section 2 - Product Identification

REN-YIELD *Dry* is a dry blend of microorganisms including *Mycorrhizal* fungi along with a nutrient package to support the initial growth stages of these beneficial species.

Section 3 - Hazard Classification

Non-hazardous

Section 4 – Components / Ingredients

Mycorrhizal Fungi
Humates
Yeast

Section 5 - Physical and Chemical Characteristics

Boiling Point: not applicable
Vapor Pressure: not applicable
Specific Gravity: 0.6g/cm^3
Appearance: A grayish brown fine powder like material

Melting Point: N.D.
Solubility: Insoluble
Viscosity: N.D.

Section 6 - Reactivity Data

Stability: Stable
Conditions to Avoid: Humidity
Hazardous Polymerization: Cannot occur
Incompatibility: None known

Do ***not*** subject product to high temperatures during storage

Section 7 - Fire And Explosion Hazard

Flash Point: Non-Combustible
Extinguishing Media: Not Applicable
Explosion Hazard: Non-Combustible
Special Fire & Explosion Hazards: None
NFPA CODES: Health – 1 Flammability – 0 Reactivity – 0

Section 8 - Health Hazard Data

Potential Health Effects
Eyes: Dust may cause irritation.
Skin: Dust may cause irritation.
Breathing: Dust may irritate the respiratory tract
Ingestion: Active ingredient has shown no mammalian toxicity

Section 9 - Emergency and First Aid Measures

Eyes: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water immediately. Get medical attention if irritation results.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician.

Section 10 - Spill or Leak Procedures

Spills may be easily cleaned by removing the solid by sweeping or vacuuming.

Section 11 - Handling and Storage

Avoid contact with skin and eyes. Use only with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Store in original container in a cool, dry place. Prevent exposure to moisture. Keep container tightly closed and out of reach of children. Do not contaminate water, food, or feed.

Section 12 - Protective Equipment To Be Used

It is advisable to wear safety glasses and mask when handling powdery material. Long sleeved shirts, long pants, shoes and socks are also recommended. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Section 13 - Special Precautions Or Other Comments

This material is biologically active. Spills or clean ups will probably enhance plant growth. This product is non-toxic and non-pathogenic to the environment.

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The information in this Material Safety Data Sheet (MSDS) is believed to be accurate and truthful as of the date issued. Customers or recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances and needs.

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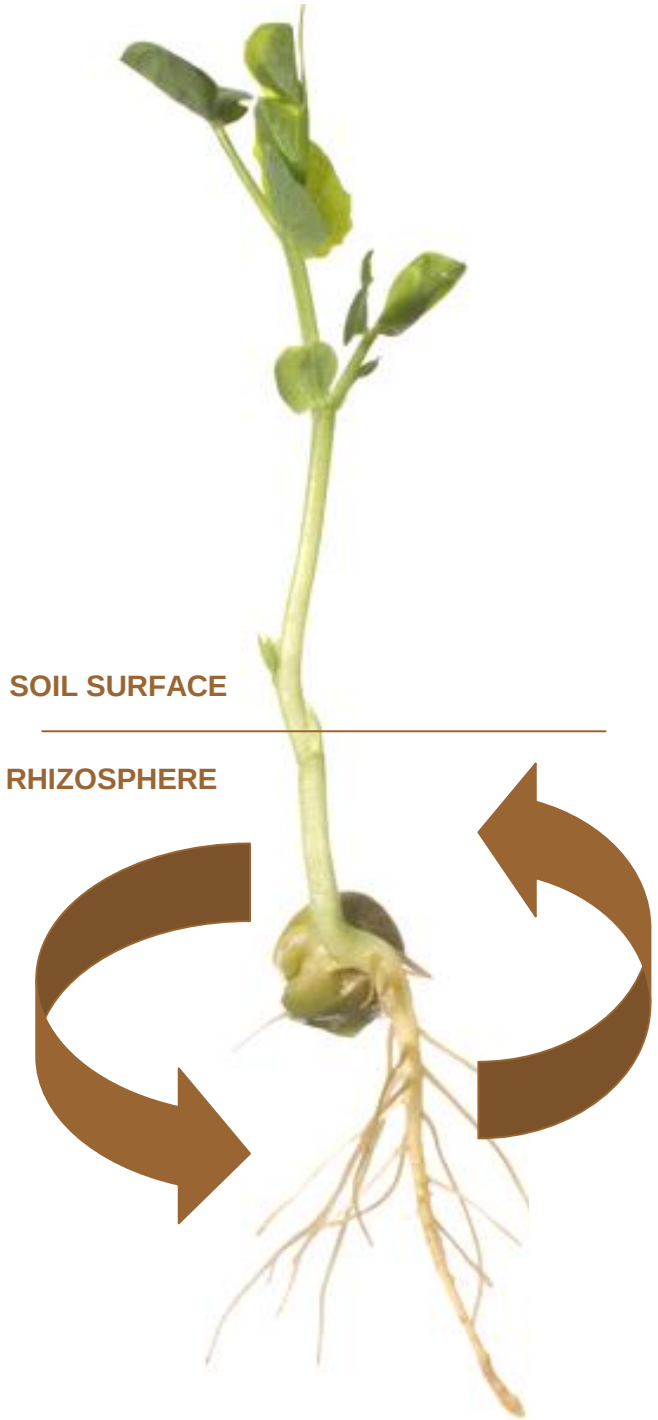
REN DRY YIELD

a unique biological forage growth stimulant

Growing a productive field of corn, alfalfa, soybeans, grass or grain - to name a few crops – is critically important to the productivity and profitability of any farm. The field is prepared and planted, and then you wait for the seeds to begin germinating. It now depends on timely rain, lots of sunshine and warm soil and air temperatures that can help the germinating seed to grow into a plant. In time, the results of this continuing process of life will begin to show more and more, as the plant grows higher and higher. The goal is to have a better-than-expected harvest, whether as ensiled forages, grain or hay.

Very little attention is paid to what is happening underground from planting through germination and ultimate growth. From planting until germination and ultimate growth, what happens underneath the soil surface is critical to the plant's productivity and profitability. This is an important time, as the plant's rhizosphere – the environment surrounding the roots – improves. Strong, healthy roots and a biologically-active rhizosphere can make a difference in the plant's ability to grow stronger and enhance its nutrient uptake. The healthier the rhizosphere the stronger and more productive a plant can be.

Strong, healthy plants – from the roots up – can help to increase plant yields, which ultimately aid productivity and bottom line profitability as a feed and food source.



REN-YIELD Dry is a unique forage growth stimulant that is made up of bacteria and fungi that are known to impact the development of plants through a mutually-beneficial symbiotic relationship with the plant roots. Once applied, soil moisture stimulates these microorganisms into "coming alive". Initially, they will feed on essential nutrients contained in the product that are readily available to them. As the seed begins to germinate and its roots start to develop, these microorganisms begin to take nourishment from the roots by feeding off of discarded plant cells (rhizodeposition), along with proteins and sugars secreted by the roots. In turn, the bacteria and fungi feed the roots, permitting the new seedling to improve its uptake of available nutrients from the soil around them. This cycling of nutrients can aid plant and root development, while improving the entire rhizosphere. Furthermore, it aids soil health, condition and structure, so that the crop can grow and produce to an optimum level.

REN-YIELD Dry is an all-natural product that can be used by traditional and organic growers. It is a carefully-prepared mixture of select bacteria, fungi and nutrients that can be applied to any crop or species. Application and usage rates may vary depending on species and seed size. Smaller seeds require higher application rates (see foldout for our recommended levels for more common species). This product is safe and easy to apply, simply by adding it to a planter box and gently stirring.

REN DRY YIELD

a unique biological forage growth stimulant

Are you looking for improved results from your crops? You can improve your crop yield by helping plants to grow a stronger and more viable root system in healthy soil, so they can take up more nutrients and grow with a healthier rhizosphere – when you use *REN-YIELD Dry…* exclusively from Renaissance Nutrition!

Our goal is to help you improve both the quality and quantity of forages you need in order to maintain the best home-grown inputs for your dairy and livestock.

Our recommended application rates include:

- **Corn: 2 oz / 40 lb bag**
- **Clover/Alfalfa: 4 oz / 50 lb bag**
- **Sorghum Sudan: 2 oz / 50 lb bag**
- **Wheat/Triticale/Grains: 2-4 oz / 50 lb bag (adjust to bag weights)**
- **Soybeans: 2 oz / 50 lb bag**

Once you open a packet of this unique product for use at planting time, be sure to reseal the packet and store in a dry, dark location to help ensure the ongoing viability of the microorganisms contained in this seed treatment. Always use proper safety equipment when working with dry products, such as dust masks, goggles, etc.

RENAISSANCE NUTRITION

***REN-YIELD Dry* is:**

- **UNIQUELY BIOLOGICAL**
- **NO Genetically Modified Organisms INCLUDED**
- **A CAREFULLY FORMULATED BLEND OF BACTERIA & FUNGI**
- **FORMULATED TO ENHANCE ROOT AND PLANT GROWTH**
- **IDEAL FOR BUILDING A HEALTHY RHIZOSPHERE**
- **ENVIRONMENTALLY SAFE**
- **EXCELLENT FOR A MORE COMPLETE NUTRONOMY™ SYSTEM ON YOUR FARM!**
- **AN INVESTMENT IN SOIL HEALTH & QUALITY**
- **RESULTS!**

OMRI LISTED For Organic Use

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