



Rhyzo-Link® 3-10-13

PREMIUM LIQUID STARTER & FOLIAR FERTILIZER



NUTRIENTS SUPPLIED (pounds per gallon):

| | |
|---|-------|
| Total Nitrogen (N)..... | 0.32 |
| Available Phosphate (P ₂ O ₅)..... | 1.07 |
| Soluble Potash (K ₂ O)..... | 1.39 |
| Sulfur (S)..... | 0.107 |
| Zinc (Zn)..... | 0.011 |

Derived from: urea, ammonium hydroxide, ammonium thiosulfate, phosphoric acid, potassium hydroxide, potassium acetate, and zinc EDTA.



PRODUCT PROPERTIES:

| | |
|--------------------------|--|
| Analysis: | 3-10-13-1S-.1Zn |
| Weight: | 10.7 lbs. per gallon |
| Specific gravity: | 1.28 kg/L |
| pH: | 7.0 – 7.6 |
| Appearance: | clear, golden-colored liquid |
| Odor: | Slight ammonia with sweet/earthy overtones |

NOTE: Store in cool area (40° to 110°F) out of direct sunlight

GENERAL PRODUCT INFORMATION:

Rhyzo-Link® 3-10-13 with PowerBlend™

Technology is manufactured with the highest quality raw materials on the market today, which once applied to the rhizosphere and/or phyllosphere and absorbed by the plant, helps to promote a healthy plant with a more pronounced root system, and ultimately helps to improve crop yield and productivity. One hundred percent (100%) of the phosphate is present in the orthophosphate form which is immediately available for plant absorption and incorporation into metabolic processes. During times of limited phosphate and potassium availability (i.e. cold and wet spring soil conditions present at planting), Rhyzo-Link® 3-10-13 with PowerBlend™ Technology provides a phosphate and potassium source that is positionally and nutritionally available for immediate uptake. PowerBlend™ Technology also aids in nutrient access capability through promotion of lateral root and root hair development and production of nutrient dissolving compounds (organic acids and phytase/phosphatase enzymes) within the root zone and rhizosphere. This leads to increased nutrient use efficiency and greater plant productivity.



FIRST AID: Please see SDS sheet for more information, call (800) 622-4877 or visit us online at www.nachurs.com.

WARNING: RHYZO-LINK® 3-10-13 IS NOT COMPATIBLE WITH UAN SOLUTIONS, 28% OR 32%. DO NOT MIX THE TWO PRODUCTS TOGETHER.

TO ENSURE OPTIMUM PERFORMANCE, AGITATE AND/OR BUBBLE TANKS PRIOR TO USE, REGARDLESS OF TEMPERATURE OR HOW LONG PRODUCT HAS BEEN SITTING.

KEEP OUT OF REACH OF CHILDREN.

*THESE ARE GENERAL PRODUCT RECOMMENDATIONS. PLEASE CONSULT WITH YOUR AUTHORIZED NACHURS DISTRIBUTOR OR AGRONOMIST FOR SPECIFIC FERTILITY RECOMMENDATIONS. THESE RECOMMENDATIONS ARE BELIEVED TO BE RELIABLE AND SHOULD BE FOLLOWED CAREFULLY FAILURE TO FOLLOW LABEL DIRECTIONS OR IMPROPER APPLICATION PRACTICES, ALL OF WHICH ARE OUT OF CONTROL OF THE MANUFACTURER OR SELLER, CAN RESULT IN PLANT OR LEAF DAMAGE. CROP INJURY MAY RESULT FROM UNUSUAL WEATHER CONDITIONS, FAILURE TO FOLLOW LABEL DIRECTIONS OR IMPROPER APPLICATION PRACTICES ALL OF WHICH ARE OUT OF CONTROL OF NACHURS.

SELLER WARRANTS THAT THE ABOVE PRODUCT CONFORMS TO ITS CHEMICAL DESCRIPTION AND IS REASONABLY FIT FOR THE PURPOSE ON THE LABEL WHEN USED IN ACCORDANCE WITH DIRECTIONS UNDER NORMAL CONDITIONS OF USE (INCLUDING NORMAL WEATHER CONDITIONS). NEITHER THIS WARRANTY NOR ANY OTHER WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXPRESS OR IMPLIED, EXTENDS TO THE USE OF THIS PRODUCT WHEN USED CONTRARY TO THE LABEL INSTRUCTIONS OR UNDER ABNORMAL CONDITIONS (INCLUDING ABNORMAL WEATHER CONDITIONS), AND THE BUYER ASSUMES THE RISK OF ANY SUCH USE. NACHURS STARTER OR FOLIAR APPLICATIONS ARE INTENDED TO SUPPLEMENT EXISTING SOIL FERTILITY PROGRAMS AND WILL NOT BY ITSELF PROVIDE ALL THE NUTRIENTS NORMALLY REQUIRED BY AGRICULTURAL CROPS.

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visit us online: www.nachurs.com

IN-FURROW RECOMMENDATIONS*:

| Row Width: | CEC: | %OM: | Max Gals/A: |
|--|-----------|---------|-------------|
| CORN: | | | |
| 36"-40" | 18↑ | 3.0↑ | 5 |
| 36"-40" | 15↑ | 2.5↑ | 4 |
| 36"-40" | 10↑ | 2.0↑ | 3 |
| 36"-40" | 9.9↓ | 1.9↓ | 2 |
| 30" | 18↑ | 3.0↑ | 6 |
| 30" | 15↑ | 2.5 | 5 |
| 30" | 10↑ | 2.0 | 4 |
| 30" | 9.9↓ | 2.0 | 3 |
| 20-22" | 18↑ | 3.0↑ | 9 |
| 20-22" | 15↑ | 2.5 | 7.5 |
| 20-22" | 10↑ | 2.0 | 6 |
| 20-22" | 9.9↓ | 2.0 | 4.5 |
| 15"-Twin Row | 18↑ | 3.0↑ | 12 |
| 15"-Twin Row | 15↑ | 2.5 | 10 |
| 15"-Twin Row | 10↑ | 2.0 | 8 |
| 15"-Twin Row | 9.9↓ | 2.0 | 6 |
| SOYBEANS**: | | | |
| 30"-40" | 18↑ | 3.0↑ | 2 |
| 30"-40" | 12-18 | 2.0↑ | 1.5 |
| 30"-40" | 6-11.9 | 2.0↓ | 1 |
| 22" | 18↑ | 3.0↑ | 3 |
| 22" | 12-18 | 2.0↑ | 2.5 |
| 22" | 6-11.9 | 2.0↓ | 1.5 |
| 6-8" | 12↑ | 2.0↑ | 5 |
| 6-8" | 6-11.9 | 2.0↓ | 3 |
| COTTON**: | | | |
| 30"-40" | 10↑ | 2.0↑ | 2.5 |
| 30"-40" | 9.9↓ | 2.0↓ | 2 |
| WHEAT, BARLEY, RYE, AND OATS: | | | |
| 6-8" | | | 8-10 |
| SUNFLOWERS**: | | | |
| 30" | 18↑ | 3.0↑ | 5 |
| 30" | 17.9-15.0 | 2.9-2.0 | 4 |
| 30" | 14.9↓ | 1.9↓ | 3 |
| PEANUTS: | | | |
| | | | 1-2 |
| Total spray volume should be 5 gal per acre. Add liquid inoculate as required. | | | |
| MILLO**: | | | |
| 30" | 18↑ | 3.0 | 5 |
| 30" | 15↑ | 2.5 | 4 |
| 30" | 10↑ | 2.0 | 3 |
| 30" | 9.9↓ | 2.0 | 2.5 |
| 15" | | | 3 |
| ALFALFA (NEW SEEDING): | | | |
| | | | 5 |
| SUGAR BEETS: | | | |
| 22" | 18↑ | 3.0↑ | 3 |
| 22" | 12-7.9 | 2.9↓ | 3 |
| EDIBLE BEANS**: | | | |
| 22" | 18↑ | 3↑ | 2.5-3 |
| 22" | 17.9↓ | 2.9↓ | 2.5-3 |
| POTATOES: | | | |
| | | | 4-10 |
| Product should be placed so potato seed piece drops into fertilizer. | | | |



If applied at rates below 1.5 gallons per acre in-furrow, the effective rate of PowerBlend™ will not have been met.

**Use a Y splitter or V-shot with significant pressure to ensure NACHURS Rhyzo-Link liquid fertilizer is placed accurately. Add water for a total spray volume of 5 gal per acre.

FOLIAR FEEDING GENERAL GUIDELINES*:

Corn: 1-3 gallons per acre. Foliar apply at 3rd-5th leaf collar.

Cotton: 1-3 gallons per acre foliar.

Vegetable Crops: Use 1-2 gallons per acre with 8-10 gallons of water every 7-10 days on vegetable crops starting 10-15 days after transplant or at 2"-5" tall on seeded crops.

Soybeans: 1-3 gallons per acre. Foliar apply at the 4th-6th trifoliolate, and then 80-85% podset.

Small Grains (including Cereals), Dry Beans, Sugar Beets and other Row Crops: 1-3 gallons per acre foliar.

Peanuts: 2 gallons per acre anytime after pegging.

Tobacco: Use 1 gallon per 100 gallons transplant solution. Foliar apply at layby and again after topping.

Bermuda Hay: 2-3 gallons per acre foliar.

Sweet Potatoes: 1-2 gallons per acre foliar anytime additional N-P-K-S is needed.

Potatoes: 2-3 gallons per acre foliar anytime additional N-P-K-S is needed.

Pecans: 2 gallons per acre at bud break and continue as needed.

Citrus:

- 2 gallons per acre in April with seasonal sprays.
- 2 gallons per acre in June with seasonal sprays.
- 2 gallons per acre in August with seasonal sprays.

Additional Fruit Trees:

1 gallon per acre with 8-10 gallons of water starting at budswell and continue as needed.

TRANSPLANT SOLUTION:

Use 1 gallon per acre with 100 gallons of water at set out.

NACHURS® Rhyzo-Link® 3-10-13 CONTAINS NON-PLANT FOOD INGREDIENTS:

This Rhyzo-Link® product contains the following colony forming units (cfu)
4,010,000 cfu/milliliter
15,179,454,000 cfu/gallon

| | |
|-----------------------------------|--------------------------|
| <i>Bacillus subtilis</i> | 1x10 ⁶ cfu/ml |
| <i>Bacillus methylothrophicus</i> | 1x10 ⁶ cfu/ml |
| <i>Bacillus amyloliquefaciens</i> | 1x10 ⁶ cfu/ml |
| <i>Bacillus megaterium</i> | 1x10 ⁶ cfu/ml |
| <i>Bacillus licheniformis</i> | 1x10 ⁴ cfu/ml |

cfu/ml = colony forming units/milliliter



NACHURS® GENERAL RECOMMENDATIONS PREMIUM LIQUID STARTER & FOLIAR FERTILIZERS



ALL FIELD CROPS OR DIRECT SEEDED CROPS:

NACHURS® liquid fertilizer placed on or near the seed at planting time can stimulate early root growth and strengthen young plants. See the reverse side for recommended rates of NACHURS fertilizer. Consult with your authorized NACHURS distributor or agronomist for specific fertility recommendations.

EARLY APPLICATIONS FOR SEEDED CROPS:

Applications of NACHURS liquid fertilizers early in the plant's life can encourage development, increased growth, vigor, and yield potential. NACHURS liquid fertilizer may effectively be applied at the first to second true leaf stage directly to the small plant.

NACHURS LIQUID FERTILIZER FOR FOLIAR APPLICATIONS:

- NACHURS liquid fertilizer is a highly soluble, low salt index formulation developed to supplement standard soil fertility practice.
- NACHURS liquid fertilizer provides an additional source of nitrogen, phosphorous and potassium during the growing season.
- NACHURS liquid fertilizer is designed to be used in conjunction with soil and tissue tests and professional recommendations to manage the nutrient levels and nutrient balance within the crop.
- NACHURS liquid fertilizer is in the form readily absorbed by plant tissue. In this form, nitrogen, phosphorous and potassium can be applied to the growing plant.
- NACHURS liquid fertilizer can be applied with most herbicides, insecticides, and fungicides.

FOLIAR APPLICATION:

Foliar feeding is one of the most efficient methods of supplying nutrients during critical growing stages. NACHURS foliar fertilizers provide available N-P-K and chelated micronutrients to make a good crop even better or it can supply a deficient, stressed crop the proper nutrients for a quick recovery. These products can also be customized and combined to ensure crop success.

NACHURS foliar fertilizers are manufactured with the highest quality raw materials on the market today and includes only available, chelated micronutrients to maximize foliar absorption. NACHURS foliar fertilizers can also be safely mixed with most insecticides, herbicides, and fungicides to help maximize yield potential (please follow proper mixing instructions).

For more specific foliar guidelines, consult with your authorized NACHURS distributor or agronomist for fertility recommendations.

MIXING INSTRUCTIONS:

NACHURS liquid fertilizers can mix with many crop production products. Some non-100% EDTA chelates may not be compatible.

- In a small container prior to full scale mixing, proportionally mix all the components to confirm compatibility.
- Thorough mixing of all blends is important.
- Temperature and storage time can influence the degree of success.
- Mix only the amount that will be immediately used.
- Long-term storage is not suggested.

NACHURS programs offer the following foliar products: micronutrients, N-P-K fertilizers, and slow release nitrogen products.

MIXING PROCEDURE:

1. Add 1/3 water to spray tank
2. Start sprayer agitation and maintain
3. Add pesticides as per label instructions
4. Add 1/3 water
5. Add NACHURS liquid fertilizer
6. Add NACHURS chelated micronutrients
7. Add remaining water volume and agitate before spraying

THE FOLLOWING CONDITIONS MUST BE OBSERVED IN ORDER TO APPLY NACHURS LIQUID FERTILIZER FOR FOLIAR APPLICATIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN DAMAGE TO THE PLANTS.

- **DO** use NACHURS fertilizers under conditions of optimum plant growth including highest humidity, moderate temperature and adequate soil moisture.
- **DO** add, as a minimum, equal amounts of water. Do use sufficient water to provide thorough coverage.
- **DO** consult with your local NACHURS distributor to determine pesticides which are compatible with NACHURS fertilizer.
- **DO** add wettable or soluble powders, emulsifiables or flowables to water in the mix and wet, dissolve or disperse before adding NACHURS fertilizer.
- **DO** consult your local NACHURS distributor for rate and application instructions.
- **DO** use a small jar or container prior to full scale mixing to proportionally mix all the components to confirm compatibility.
- **DO NOT** use when the crop is under stress from pests, heat or inadequate soil moisture.
- **DO NOT** mix N-P-K with UAN 32% or 28%.
- **DO NOT** apply by aircraft if surface wind is greater than five miles per hour to assure adequate crop coverage and droplet disposition.
- **DO NOT** spray to run off. Do not spray to visible droplet coalescence. Do not allow concentrated spray mist to run off fruit or leaves.
- **DO NOT** apply during the heat of the day.
- **DO NOT** mix with calcium containing products unless the calcium is fully EDTA chelated.
- **DO NOT** mix fertilizers with hard water. Mixing with hard water may cause clogging of lines due to the combining of calcium, magnesium and iron in the water with phosphate in the fertilizer.