



# NACHURS N-Rage Max<sup>®</sup> PREMIUM LIQUID FOLIAR FERTILIZER



## NUTRIENTS SUPPLIED (pounds per gallon):

Total Nitrogen (N).....	2.16
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	0.10
Soluble Potash (K <sub>2</sub> O).....	0.31

Derived from: potassium acetate, phosphoric acid, potassium hydroxide, urea, and urea-triazone solution.

55.2% of the total nitrogen found in NACHURS N-Rage Max<sup>®</sup> fertilizer is Slow Release Nitrogen.

100% of the total phosphate found in NACHURS N-Rage Max<sup>®</sup> fertilizer is orthophosphate.

## PRODUCT PROPERTIES:

Analysis:	21-1-3
Weight:	10.3 lbs. per gallon
Specific gravity:	1.24 kg/L
Appearance:	clear to translucent, nearly colorless
Odor:	nearly odorless

## GENERAL PRODUCT INFORMATION:

NACHURS N-Rage Max<sup>®</sup> liquid fertilizer is manufactured by utilizing the highest quality raw materials coupled with urea-triazone technology to provide a very agronomically efficient source of N-P-K. The quality of the raw materials used to formulate NACHURS N-Rage Max<sup>®</sup> liquid fertilizer:

- Maximizes plant nutrient absorption through the use of urea-triazone technology
- Minimizes salt-index providing safe foliar use
- Minimizes equipment corrosion
- Is plant safe at recommended rates
- May be used with crop protection products such as glyphosate

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

THIS PRODUCT IS NOT INTENDED FOR LONG-TERM STORAGE; USE WITHIN SIX (6) MONTHS FOR BEST RESULTS. DUE TO THE UNPREDICTABLE STORAGE STABILITY OF THE SLOW RELEASE NITROGEN MOLECULE, NACHURS ALPINE SOLUTIONS WILL NOT WARRANT PRODUCT QUALITY OR PERFORMANCE IN EXCESS OF SIX (6) MONTHS FROM DATE OF PURCHASE.

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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## RECOMMENDED APPLICATION RATES:

### FIELD CROPS:

**ALFALFA** – Apply 1 to 2 gal/ac after each cutting when sufficient foliage is present.

**CANOLA** – Apply 1 to 2 gal/ac prior to bolting.

**CEREAL, WHEAT, BARLEY AND OTHER CEREALS** – Apply 1 to 2 gal/ac at tillering through flag leaf. May be used as a top-dress on winter wheat.

**CORN (FIELD)** – Apply 2 gal/ac on the young plant when sufficient foliage is present. Apply 1 to 2 gal/ac at tasseling and again after pollination.

**COTTON** – Apply 1 to 2 gal/ac at early boll formation then again every 14 days.

**GRAIN SORGHUM** – Apply 1 to 2 gal/ac anytime additional N-P-K is needed or with a crop protection product.

**PEANUTS** – Apply 2 gal/ac at early bloom repeat every 21 days until pods are full.

**POTATOES** – Apply 2 gal/ac at early tuber initiation and again as additional N-P-K is needed.

**RICE** – Apply 2 gal/ac at panicle initiation then anytime additional N-P-K is needed.

**SOYBEANS** – Apply 1 to 2 gal/ac at the R1 to R6 growth stage or anytime with glyphosate.

**SUGAR BEETS** – Apply 2 gal/ac at both the 10th leaf stage and the 20th leaf stage.

**SUNFLOWERS** – Apply 1 to 2 gal/ac to stimulate early plant growth and again at seed fill. May be used with an insecticide application.

**TOBACCO** – Apply 1 to 2 gal/ac after transplanting or anytime additional N-P-K is needed to maintain crop growth and quality.

### TURF:

Apply in early spring to enhance turf growth and build a healthier root system, then again every 6-8 weeks until dormant.

NACHURS N-Rage Max<sup>®</sup> liquid fertilizer at 53oz/1000 sq/ft equals 1 pound of nitrogen.

### VEGETABLE CROPS:

Apply 1 to 2 gal/ac after sufficient leaf growth then again every 14 days.

**GROUND APPLICATION:** Apply with a minimum of 5 gallons of water per acre or more to insure good coverage.

**AERIAL APPLICATION:** May be used un-diluted but it is recommended to use adequate water to insure good coverage.

\*NACHURS N-Rage Max<sup>®</sup> liquid fertilizer is best used as a supplement to a good fertility program. Check with your NACHURS Agronomist or Sales Manager for rates on other crops.

### MIXING INSTRUCTIONS:

NACHURS N-Rage Max<sup>®</sup> liquid fertilizer can mix with many crop production products including glyphosate.

- 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 N-Rage Max<sup>®</sup> liquid fertilizer tank mixing procedures:

- Add ½ of total water to spray tank
- Start recirculation in the tank
- Add the recommended amount of NACHURS N-Rage Max<sup>®</sup> liquid fertilizer
- Add micronutrients and or any other flowable material
- Add any soluble powder, first pre-mixing with water
- Add remaining water volume and continue recirculation prior to spraying

### FOLIAR FEEDING:

Foliar feeding is one of the most efficient methods of supplying nutrients during critical growing stages. NACHURS N-Rage Max<sup>®</sup> liquid fertilizer provides available N-P-K to make a good crop even better or it can supply a deficient, stressed crop the proper nutrition for a quick recovery. NACHURS N-Rage Max<sup>®</sup> liquid fertilizer is manufactured with the highest quality raw materials on the market today to maximize foliar absorption. NACHURS N-Rage Max<sup>®</sup> liquid fertilizer 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.

### EARLY APPLICATIONS FOR SEEDED CROPS:

Applications of NACHURS N-Rage Max<sup>®</sup> liquid fertilizer early in the plant's life can encourage development, increased growth, vigor, and yield potential. NACHURS N-Rage Max<sup>®</sup> liquid fertilizer may effectively be applied to the young plant starting when adequate foliage is present to allow for good coverage and continuing whenever additional N-P-K is needed.

### THE FOLLOWING CONDITIONS MUST BE OBSERVED IN ORDER TO APPLY NACHURS N-RAGE MAX<sup>®</sup> LIQUID FERTILIZER FOLIAR APPLICATIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN DAMAGE TO THE PLANTS:

- DO use NACHURS N-Rage Max<sup>®</sup> liquid fertilizer under conditions of optimum plant growth including highest humidity, moderate temperature and adequate soil moisture.
- DO use sufficient water to provide thorough coverage.
- DO consult with your local NACHURS Agronomist or Sales Manager to determine pesticides which are compatible with NACHURS N-Rage Max<sup>®</sup> liquid fertilizer.
- DO consult your local NACHURS Agronomist or Sales Manager 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 apply during the heat of the day.

### POWERED BY BIO-K<sup>®</sup>:

Designed for all crops that require potassium, Bio-K<sup>®</sup> is an innovative potassium technology. Unlike other forms of potassium, Bio-K<sup>®</sup> is a natural plant metabolite that provides the most efficient nutrient uptake. Using Bio-K<sup>®</sup> technology results in quicker germination, improved root development, and an elevated abiotic stress tolerance; leading to better plant establishment, more vigorous growth, and higher yields.





## 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 foliars are manufactured with the highest quality raw materials on the market today and includes only available, chelated micronutrients to maximize foliar absorption. NACHURS foliars 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.