



# NACHURS First Down™ PREMIUM LIQUID STARTER & FOLIAR FERTILIZER



### NUTRIENTS SUPPLIED (pounds per gallon):

Total Nitrogen (N).....	0.74
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	1.91
Soluble Potash (K <sub>2</sub> O).....	0.64

**Derived from:** ammonium hydroxide, urea, phosphoric acid, potassium acetate, and potassium hydroxide.

### PRODUCT PROPERTIES:

<b>Analysis:</b>	7-18-6
<b>Weight:</b>	10.6 lbs. per gallon
<b>Specific gravity:</b>	1.27 kg/L
<b>pH:</b>	6.0 – 7.0
<b>Appearance:</b>	clear, water white liquid
<b>Odor:</b>	no odor, or mild ammonia

### GENERAL PRODUCT INFORMATION:

**NACHURS First Down™** liquid fertilizer is manufactured by utilizing quality raw materials including ammonium hydroxide, urea, phosphoric acid, potassium acetate, and potassium hydroxide to provide a very agronomically efficient source of N-P-K. The quality of the raw materials used to formulate **NACHURS First Down™** liquid fertilizer:

- maximizes plant nutrient solubility
- minimizes salt index
- minimizes equipment corrosion
- allows good cold weather storage
- is plant safe at recommended rates

One hundred percent of the phosphate is present in the orthophosphate form that is immediately available for plant absorption and metabolism. During times of limited phosphate and potassium availability (eg: cold and wet spring soil conditions present at planting), **NACHURS First Down™** liquid fertilizer provides a phosphate and potassium source that is positionally and nutritionally available.

**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).

WARNING: NACHURS FIRST DOWN™ IS NOT COMPATIBLE WITH UAN SOLUTIONS, 28% OR 32%. DO NOT MIX THE TWO PRODUCTS TOGETHER.

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](http://www.nachurs.com)

### IN-FURROW RECOMMENDATIONS\*:

Row Width:	CEC:	%OM:	Max Gals/A:
<b>CORN:</b>			
36"-40"	18↑	3.0↑	5
36"-40"	15↑	2.5↑	4
36"-40"	10↑	2.0↑	3
36"-40"	9.9↓	2.0↑	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
<b>SOYBEANS**:</b>			
6-8"	12↑	2.0	2-5
<b>WHEAT, BARLEY, RYE, AND OATS:</b>			
6-8"			8-10
<b>SUNFLOWERS**:</b>			
30"	18↑	3.0↑	5
30"	17.9-15.0	2.9-2.0	4
30"	14.9↓	1.9↓	3
<b>MILO**:</b>			
30"	18↑	3.0	5
30"	15↑	2.5	4
30"	10↑	2.0	3
30"	9.9↓	2.0	2.5
<b>ALFALFA (NEW SEEDING):</b>			
			5
<b>POTATOES:</b>			
			4-10
Product should be placed so potato seed piece drops into fertilizer.			

\*\*Use a Y splitter with significant pressure to ensure NACHURS First Down™ liquid fertilizer is placed accurately.

### FOLIAR FEEDING GENERAL GUIDELINES\*:

#### Corn:

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

#### 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 4<sup>th</sup>-6<sup>th</sup> trifoliolate, and then 80-85% podset.

#### Small Grains (including Cereals), Dry Beans, Sugar Beets and other Row Crops:

1-3 gallons per acre foliar.

**Fruit Trees:** Use 1 gallon with 8-10 gallons of water starting at bud swell in the spring and continue as needed.

### TRANSPLANT SOLUTION:

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



### ELEVATE YOUR K® with NACHURS® Bio-K®

- A premium source of potassium fertilizer combined with a natural plant metabolite
- Most effective and efficient source of potassium
- Increased plant health and plant vigor resulting in maximum yield potential



# NACHURS® GENERAL RECOMMENDATIONS

## 100% ORTHOPHOSPHATE LIQUID FERTILIZERS

### IN-FURROW APPLICATION

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 Dealer or NACHURS District Sales Manager for specific fertility recommendations.

#### Additives to In-Furrow Applications

In furrow placement of other crop enhancement products is greatly facilitated once the NACHURS application kit for the application of NACHURS starter products is installed on the planting implement. Crop protection products, biologicals, or plant growth supplements can often be added to the starter product for a very efficient and accurate method in applying these other products. All tank mixes should be tested for physical and performance compatibility before use. Consult with your NACHURS retailer or NACHURS District Sales Manager before using such mixes. The addition of an NACHURS Injection kit to the NACHURS application kit is often required to ensure product compatibilities.

### 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).

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

**For more specific foliar guidelines, consult with your authorized NACHURS Dealer or NACHURS District Sales Manager 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.

### MIXING PROCEDURE

- Add ½ of total water to spray tank
- Start recirculation in the tank
- Add micronutrients and or any other flowable material
- Add any soluble powder first pre-mixing with water
- Add the recommended amount of **NACHURS** liquid fertilizer
- Add remaining water volume and continue recirculation prior to spraying

### PRODUCT STORAGE CONTAINER RECOMMENDATIONS

- Storage in poly, fiberglass, stainless, or lined/coated steel tanks to prevent possible product discoloration. Storage in flat bottom tanks is recommended during winter months. Bubble, recirculate, and/or agitate material before usage in all instances. Material stored in cone bottom tanks (although not recommended) will require longer recirculation after winter to regain product consistency.
- **DO NOT STORE OR TRANSPORT ANY PRODUCT IN ALUMINUM, OR GALVANIZED STEEL TANKS**

### 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 DISTRICT SALES MANAGER 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 DISTRICT 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 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.**