

LIQUID FERTILIZER

FOLIAR FEEDING

BY NACHURS®



NACHURS

quality in every drop®

GO WITH THE LEADER NACHURS

- ▶ Highest quality liquid foliar fertilizer
- ▶ Quality, precision placement, and foliar safe
- ▶ Low impurities
- ▶ Low salt
- ▶ True solution N-P-K
- ▶ Orthophosphate (available phosphorus)
- ▶ Highly soluble

NACHURS liquid foliars have a neutral pH and are low in both salt index and impurities. These features of our liquid foliars enable the product to be sprayed on the plant foliage. Foliar feeding is one of the most efficient methods for supplying nutrients to a growing crop .

Applying available nutrients on the plant foliage allows for immediate absorption into the plant in a very short period of time. This immediate uptake promotes better plant health and increased yield potential.

NACHURS liquid foliars contain 80% - 100% of their phosphates in the available orthophosphate form. Orthophosphate is immediately available to the plant during the critical early stages of growth. Plants can only take up phosphorus in the orthophosphate form.

WHY FOLIAR FEED YOUR CROPS?

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. **NACHURS programs offer the following foliar products: micronutrients, N-P-K fertilizers, and slow release nitrogen products.** 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 foliar micronutrients have proven to translocate quickly from the young leaves to the root system. This translocation promotes a healthier plant and healthier root system. A healthier root system takes up more nutrients from the soil. In general, a healthier plant is a more profitable plant!

The rate of absorption is just one of many benefits of foliar feeding:

NUTRIENT	TIME FOR 50% ABSORPTION
Nitrogen (As Urea)	1/2 - 2 hours
Phosphorus	5 - 10 days
Potassium	10 - 24 hours
Calcium	10 - 94 hours
Magnesium	10 - 24 hours
Sulfur	5 - 10 days

Source: Michigan State University

One pound of foliar fed nitrogen (as urea) is equivalent to 4 pounds of soil applied nitrogen. One pound of foliar fed magnesium is equivalent to 75 pounds of soil applied magnesium. Now that's efficient!



THE NACHURS ADVANTAGE

NACHURS FOLIAR PRODUCTS:

MICRONUTRIENTS

NACHURS foliar programs offer 5 essential micronutrients. All are chelated except Boron, Cobalt, and Molybdenum:

Boron: Critical for new growth of plant and in pollination and reproductive stages. Essential for maintaining sugar and starch balances.

Copper: Essential in protein formation and for enzyme activation.

Iron: Important in chlorophyll formation, respiration, and energy transfer.

Manganese: Vital in chlorophyll development and enzyme systems in the oxidation process.

Zinc: Promotes root development, vigorous shoot growth, stress tolerance, and a more even maturity.

NACHURS micronutrients are clean, easy handling products that fit into most crop protection programs. Each drop of foliar has the exact same nutrient ratio, which means it will not settle out of solution.

NACHURS micronutrients are versatile and can be easily be mixed with most herbicide/ fungicide/ insecticide programs for timely applications.

Example Product: NACHURS Fortified 12-9-6

N-P-K FERTILIZERS

Foliar feeding maintains a nutrient balance within the plant, which may not occur strictly with soil uptake. Absorption of essential nutrients through the plants roots may at times be limited by root distribution, soil temperature, soil moisture, or soil nutrient imbalances or other factors.

Most of the vital nutrients that are foliar fed are mobile and will be transported throughout the plant. Potassium is readily absorbed and highly mobile. Phosphorus is absorbed at a slower rate, but is also mobile and transported at a rapid rate.

Example Products: NACHURS 9-18-9, NACHURS 3-18-18, NACHURS 6-24-6 and NACHURS 10-10-10

SLOW RELEASE NITROGEN

NACHURS slow release nitrogen products allow plants to absorb nitrogen on the leaf surface several weeks after foliar spraying. Nitrogen is a critical component throughout the growth and development of plants, and when used in conjunction with NACHURS fertilizers, can help maximize yields.

NACHURS slow release nitrogen products can also be incorporated with most herbicide/ fungicide/ insecticide programs for timely applications.

Example Products: NACHURS Fortified CRN 25-0-0-.5% Boron, KUGLER 28-0-0 with 72% slow release nitrogen*

*available at Red Oak, IA and Culbertson, NE

**TALK TO YOUR SALES MANAGER/AGRONOMIST
FOR SPECIFIC RECOMMENDATIONS**

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