



NACHURS Sideswipe®

Premium Liquid Micronutrients



NUTRIENTS SUPPLIED (pounds per gallon):

Nitrogen (N).....	0.211
Potassium (K ₂ O)	0.105
Boron (B)	0.221
Copper (Cu)	0.053
Iron (Fe)	0.026
Manganese (Mn)	0.106
Zinc (Zn).....	0.317

Derived from: Iron EDTA, Copper EDTA, Manganese EDTA, Zinc EDTA, and Boric Acid

PRODUCT PROPERTIES:

Analysis:	2-0-1-2B-.5Cu -.25Fe-1Mn-3Zn
Weight:	10.57 lbs. per gallon
Specific gravity:	1.269 lb/gal
pH:	9.3–10.1
Appearance:	Brown/green liquid
Odor:	Slight amine

GENERAL PRODUCT INFORMATION:

NACHURS Sideswipe liquid fertilizer is manufactured with 100% fully EDTA chelated copper, iron, manganese, and zinc as well as boron for maximum micronutrient delivery. Unlike other micronutrient sources such as complexes, partial chelates, and natural organic complexes, NACHURS micronutrients are 100% available to the crop and resist tie-up when soil applied or when combined with other fertilizers.

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

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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APPLICATION RATES:

NACHURS Sideswipe is formulated to provide necessary micronutrients for optimum crop growth and development while providing excellent compatibility with other fertilizer solutions.

- Soil applied (2x2, Conceal): 1–2 pints
- Sidedress (i.e. knife): 1–4 quarts
- Sidedress (i.e. Y-drop): 1–4 quarts
- Foliar: 1–2 pints
- Fertigation: 1–4 quarts
- **NOT FOR IN-FURROW USE**

Compatibility: **NACHURS Sideswipe** may be applied in combination with other liquid fertilizers, fertilizer suspensions, and nitrogen solutions. Always jar test combinations before field mixing.

These are general product recommendations. Please consult with your NACHURS Sales Manager or agronomist for specific fertility recommendations.

GENERAL MIXING INSTRUCTIONS

1. Put 1/3 of fertilizer in tank
2. Add other chemicals, if any
3. Fill tank with balance of fertilizer
4. Add correct amount of chelated micronutrients
5. Agitate adequately to mix

CAUTION: Check compatibility with standard jar test.

WARNING: Boron is to be used where soil test and/or tissue analysis indicate a deficiency, and should not be used at rates in excess of the rate recommended by a qualified individual/entity such as a certified crop advisor, agronomist or university. Excessive application of boron may cause crop damage.

THE ROLE OF MICRONUTRIENTS:

Boron (B)

Boron is vital to the growth and development of the plant. Without adequate boron, new growth ceases. It is necessary in the pollination and seed production stages. Boron is essential for maintaining a balance between sugars and starches. A small amount of boron is beneficial to plants but too much can be toxic to plants.

Copper (Cu)

Copper is important as a co-enzyme. It is needed to activate several plant enzymes, including building and converting amino acids to proteins. Since copper is an immobile nutrient, deficiency symptoms usually occur on new growth. Copper deficient plants will become chlorotic and take on a bleached appearance. New growth may die.

Iron (Fe)

Iron is required for the formation of chlorophyll in plant cells. It serves as an activator for biochemical processes such as respiration, photo-synthesis and symbiotic nitrogen fixation.

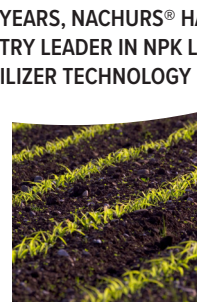
Manganese (Mn)

Manganese is essential to plants but too much is toxic. Manganese functions in chlorophyll development and serves as a catalyst in several enzyme systems in the oxidation-reduction process. Manganese deficiencies are very similar to iron deficiencies and appears in the younger leaves of the plant first. Color may be pale between the veins of broadleaf plants.

Zinc (Zn)

Zinc is necessary for starch formation and proper root development. It is also essential for seed formation and maturity. The most common symptom of zinc deficiency is interveinal chlorosis on older leaves with shortening of the internodal area. This shortening often results in a short compressed plant with a rosetted appearance.

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FOR OVER 75 YEARS, NACHURS® HAS BEEN
THE INDUSTRY LEADER IN NPK LIQUID
FERTILIZER TECHNOLOGY