

CORE LIQUID BORON 10%

For Correction or Prevention of Boron Deficiency in Most Crops

0-0-0

GENERAL INFORMATION

CORE LIQUID BORON 10% is an effective, readily available source of vital micronutrients nutrients for foliar application. It may be applied in water sprays, with pesticides, or with most liquid fertilizers.

GUARANTEED ANALYSIS:

Boron (B) **10.0%**

Derived from: boric acid

INTRODUCTION

Boron functions in the plant include flower formation and pollination, differentiation of meristematic cells, cell wall integrity, water management, and carbohydrate metabolism and sugar movement. Boron also influences frost resistance (fruit trees and vines), sugar levels (potatoes and sugar beets), vitamin C (fruits and vegetables) and calcium utilization (fruit, potatoes, vegetables).

Boron deficiency is a wide spread problem and associated with many physiological diseases. The suppression of disease by boron fertilizers has been reported by Graham 1983, and Graham and Webb 1991. Deficiency may result in poor flower development, fruit set, seed development, death of terminal growth, malformed leaves, and soft or necrotic spots in fruit or tubers.

Dicotyledons generally require three to four times more B than do monocotyledons. Boron is taken in the plants as Boric Acid (H_3BO_3), CORE LIQUID BORON 10% is derived from boric acid.

Research has shown that boron is not mobile in most plants and that a continuous supply is necessary at all growing points. Foliar applied boron is transported through the phloem to buds, flowers, and fruit. As a result, it should be supplied throughout the growing season. This can be accomplished by applying small amounts at regular intervals.

PHYSICAL PROPERTIES

Weight per gallon	11.0 lbs
Weight per pint	1.37 lbs
Elemental Boron (B) per gallon	1.10 lbs
Gallons per ton	181.8

PRODUCT PERFORMANCE

Boron concentration (ppm) in corn tissue seven days after boric acid and Solubor® application.

Boron applied (lbs/A)	Boric Acid	Solubor®
0	8.2	8.9
1	11.8	10.4
2	13.7	12.6
4	17.7	15.4

Source: UP Patent Office, Standar Oil patent. Boron applied to 12 inch corn.

This product is available in bulk, 250 gal mini bulks, and 2 x 2.5 gal cases.

This bulletin provides some technical information and is not intended to give complete information for all applications.

Always read and follow label directions.



In comparison to Solubor (sodium borate), CORE LIQUID BORON 10% (boric acid) has a number of advantages:

Boric Acid	Sodium Borate
the form the plant absorbs	must be converted to a usable form
contains no sodium	contains sodium
rapid and complete uptake- higher concentration in plant	must be converted - slower accumulation, lower concentration

Solubor is a registered trademark of U.S. Borax and Chemical Corp.



FOR MORE INFORMATION, LABELS, MSDS AND A COMPLETE PRODUCT LIST:

- log onto www.CoreAgri.com
- contact your sales representative
- or call: 1-800-385-4715

COREAGRI, LLC

P.O. Box 1027 • Arroyo Grande, CA 93420 • USA
customerservice@coreagri.com | 800-385-4715

Product List: www.CoreAgri.com

CORE LIQUID BORON 10%



For Correction or Prevention of Boron Deficiency in Most Crops

RECOMMENDED RATES

	Foliar	Soil
Crop	Rate/Acre	Rate/Acre
Alfalfa	1-4 quarts	1-3 gallons
Almonds	1-4 quarts	1-2 gallons
Apples	1-2 quarts	1-3 gallons
Avocados	1-2 quarts	1-3 gallons
Beans	1-2 quarts	1-2 gallons
Canola	1-2 quarts	½-1 gallon
Carrots	1-2 quarts	1-2 gallons
Cereals	1-2 quarts	½-1 gallon
Citrus	2-4 quarts	1-2 gallons
Clover	2-3 quarts	1-2 gallons
Cole Crops	1-2 quarts	1-2 gallons
Corn	1-2 quarts	1-2 gallons
Cotton	½ pint-2 quarts	½-1 gallon
Cucurbits	1-2 quarts	1-2 gallons
Filberts	½-1 quart	1-2 gallons
Grapes	2-5 quarts	1-2 gallons
Lentils	1-2 quarts	1-2 gallons
Lettuce	½-1 quart	½-1 gallon
Onions	½-1 quart	½-1 gallon
Pears	1-2 quarts	1-3 gallons
Peas	1-2 quarts	1-2 gallons
Peppers	1-2 quarts	1-2 gallons
Peanuts	1-2 quarts	½-1 gallon
Pistachios	1-2 quarts	1-2 gallons
Potatoes	1-2 quarts	1-2 gallons
Soybeans	1-2 quarts	½-1 gallon
Stone Fruit	2-4 quarts	1-2 gallons
Strawberries	½-1 quart	1-2 gallons
Sugar Beets	2-4 quarts	1-3 gallons
Sugar Cane	1-2 quarts	1-½ gallons
Sunflowers	1-2 quarts	½-1 gallon
Tomatoes	1-2 quarts	1-2 gallons

DIRECTIONS FOR USE

Proper timing, rate, and placement of CORE LIQUID BORON 10% is important for desired results and highly dependent on stage of crop growth, soil fertility levels, and environmental conditions.

WARNING: Excess amounts of boron can cause plant injury. DO NOT OVER APPLY! Always obtain boron recommendations from your local agricultural before applying

For foliar applications, apply with enough water to thoroughly cover all foliage. Early morning or late evening applications generally give the best results. Because of the nature of Boron deficiencies (growing point disorders), CORE LIQUID BORON 10% should be applied in multiple applications.

For soil applications, apply with sufficient carrier to give complete coverage. For optimum performance, boron must be moved into the plant root zone in order to be absorbed by the plant. This can be accomplished by irrigation, rainfall, or tillage. Do not allow CORE LIQUID BORON 10% to come in direct contact with seed at any time.

MIXING

CORE LIQUID BORON 10% is compatible with many liquid fertilizers, micronutrients, pesticides, and water. Addition of CORE LIQUID BORON 10% to these products should not be done without first testing compatibility on a small scale. When mixing with water fill container half full, add CORE LIQUID BORON 10%, then the remaining water. When mixing with pesticides, dilute CORE LIQUID BORON 10% with water prior to the addition of buffering agents and pesticides. Follow all directions and precautions on pesticide labels prior to mixing with CORE LIQUID BORON 10%. Ensure adequate agitation in all situations.

