

STOLLER® LIQUID BORON

Specimen Label

U.S. Patent No. 5,614,653

F1601

LIQUID BORON



Manufactured by Stoller Enterprises, Inc.
4001 W. Sam Houston Parkway North, Suite 100
Houston Texas 77043 USA
Phone: 1-800-539-5283 or 713-461-1493 | Fax: 713-461-4467
E- Mail: stoller@stollerusa.com | Website:
www.StollerUSA.com

Z- LIQUIDB

Stoller Liquid Boron

GUARANTEED ANALYSIS

Boron (B)9.00%

Derived from Boric Acid

GENERAL INFORMATION

Boron is an essential plant nutrient that is involved in cell development and cell differentiation, protein synthesis, pollination, seed development, fruit formation, sugar transport and metabolism, auxin metabolism and nodulation in legumes. Dicotyledon plants, especially legumes, crucifers and certain root crops have a higher requirement for **Boron** than monocotyledon plants. Because **Boron** is not mobile within the plant, a continuous supply to all growing points is required from germination to maturity. Conditions that contribute to boron deficiency by reducing boron availability or supply include:

- low organic matter soils (<2%)
- recently limed soils
- soils with pH 6.0 or higher
- water stress or drought conditions
- leaching (especially with crops under frequent or continuous irrigation)
- high potassium soils or soils recently fertilized with high potassium
- crop removal

Liquid Boron provides boron for the convenient, effective maintenance of Boron levels in plant tissues or for the rapid corrections or Boron deficiencies in deficient crops. The stabilizing agents in **Liquid Boron** allow for application directly to the soil or foliage, for formulations with liquid fertilizer or for tank mixing with most agricultural chemicals. Foliar application of boron is more efficient than soil application because the former avoids the formation of complex soil borates. **Liquid Boron** is rapidly absorbed by the foliage and utilized by the plant. Frequent foliar applications of small amounts are more effective than larger, infrequent treatments.

CAUTION: Keep Out Of Reach Of Children

WARNING

This product contains boron at a level that may be detrimental to growing plants. Use of **Liquid Boron** on crops other than those recommended may result in serious injury to those crops. Since excessive amounts of Boron may be toxic, contact your local agricultural authority for additional information. Prevent contact with eyes, skin or clothing by wearing protective chemical goggles and protective clothing. If exposure occurs, immediately flush exposed area with clear water for at least 15 minutes. Consult a physician. **If ingested:** do not induce vomiting. Call a physician; transport to an emergency facility. Avoid breathing vapors by mixing in a well-ventilated area. If inhalation occurs move to fresh air and consult a physician immediately.

Washington State Residents

Information regarding the contents and level of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

DIRECTIONS FOR USE

For Foliar Application: Apply the recommended amount with ground equipment or by air in a volume sufficient for thorough coverage. Do not apply over 2 quarts of **Liquid Boron** in any one spray application. If the crop requires more than 2 quarts per acre, split the application allowing 14 days between sprays.

For Soil Application: Liquid Boron must be applied uniformly across the field. Apply alone, as a tank mix with other agricultural chemicals or in liquid fertilizer. Always use sufficient agitation to insure thorough mixing.

Liquid Boron is recommended for the following crops:

<u>Field Crops</u>	<u>Quarts/ Acre</u>	<u>Liters/ Hectare</u>
Alfalfa	2 to 4 qts.	4 to 9 ltrs.
Clover	2 to 3 qts.	4 to 7 ltrs.
Corn	1 to 2 qts.	2 to 4 ltrs.
Cotton	1 to 2 qts.	2 to 4 ltrs.
Lentils	1 to 2 qts.	2 to 4 ltrs.
Peanuts	1 to 2 qts.	2 to 4 ltrs.
Rape (canola)	1 to 2 qts.	2 to 4 ltrs.
Soybeans	1 to 2 qts.	2 to 4 ltrs.
Sugar Beets	2 to 4 qts.	4 to 9 ltrs.
Sunflowers	2 qts. when plants are 6" tall 2 qts/4ltrs. 30 days later	4 ltrs.
Tobacco	1 to 2 qts.	2 to 4 ltrs.

<u>Vegetables</u>	<u>Qts/ Acre</u>	<u>Ltrs/ Hectare</u>	<u>Fruit & Nuts</u>	<u>Qts/ Acre</u>	<u>Ltrs/ Hectare</u>
Beets (red)	2 to 4 qt.	4 to 9 ltrs.	Almonds	2 to 4 qts.	4 to 9 ltrs.
Broccoli	3 to 5 qts.	7 to 11 ltrs.	Apples	2 to 4 qts.	4 to 9 ltrs.
Cabbage	1 to 3 qts.	2 to 7 ltrs.	Apricots	6 to 8 qts.	14 to 19 ltrs.
Carrots	1 to 2 qts.	2 to 4 ltrs.	Citrus	1 to 3 qts.	2 to 7 ltrs.
Cauliflower	2 to 4 qts.	2 to 9 ltrs.	Grapes	3 to 5 qts.	7 to 11 ltrs.
Celery	1 to 3 qts.	2 to 7 ltrs.	Pears	2 to 4 qts.	4 to 9 ltrs.
Curcurbits	1 to 4 qts.	2 to 9 ltrs.	Plums/ Prunes	2 to 4 qts.	4 to 9 ltrs.
Lettuce	1 to 2 qts.	2 to 4 ltrs.	Strawberries	2 to 4 qts.	4 to 9 ltrs.
Potatoes	1 to 2 qts.	2 to 4 ltrs.	Walnuts	6 to 8 qts.	14 to 19 ltrs.
Turnips	1 to 2 qts.	2 to 4 ltrs.			
Tomatoes	1 to 2 qts.	2 to 4 ltrs.			
Radishes	1 to 2 qts.	2 to 4 ltrs.			
Spinach	1 to 2 qts.	2 to 4 ltrs.			

Recommendations For Use: Supplemental application of molybdenum is recommended when soils test less than 1.0 ppm boron or tissue test levels fall below average values specified for the crop. In the absence of soil or tissue test data use the suggested rate by crop.

Mixing Order: Liquid Boron is compatible with most agricultural chemical. Conduct a jar test if in doubt about specific combinations. Follow this mixing procedure:

1. Water, 2. **Liquid Boron** 3. Pesticide

Storage and disposal: Store **Liquid Borony** three pails high per pallet. Do not stack pallets. **Liquid Boron** will withstand freezing. If frozen thaw, then mix before using.

Conditions Of Sale: 1. Seller warrants this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. No one other than an officer of Seller is authorized to make any warranty, guarantee or direction concerning this product. 2. Because the time, place, rate of application and other conditions of use are beyond Seller's control, Seller's liability from handling, storage and use of this product is limited to replacement of product or refund of purchase price.