

# STOLLER® NITRATE BALANCER

Specimen Label

For Commercial Application Only  
U.S Patent No. 5,614,653  
F1601

# NITRATE BALANCER



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# Stoller Nitrate Balancer

## GUARANTEED ANALYSIS

Boron (B).....9.000%  
 Molybdenum (Mo).....0.005%  
 Derived from Boric Acid and Sodium Molybdate

## GENERAL INFORMATION

**Nitrate Balancer** contains Boron and molybdenum which function in plants to:  
 Move carbohydrates out of the leaves to the roots, storage tissue, seeds or fruit.

Reduce excessive vegetative growth.  
 Prepare crops for harvest.

**Nitrate Balancer** is a convenient, effective soluble boron source with the added benefit of molybdenum to promote conversion of nitrate nitrogen into more metabolically functional forms.

Use plant analysis or petiole monitoring as a guide to plant nitrogen levels and apply **Nitrate Balancer** to maintain nitrogen levels within recommended limits. Boron and Molybdenum should be used only when a soil test for these nutrients is low, a tissue analysis indicating a boron and molybdenum deficiency or when verified deficiency symptoms appear in the plant.

**STORAGE INSTRUCTIONS:** Store **Nitrate Balancer** three pails high per pallet. Do not stack pallets. **Nitrate Balancer** will withstand freezing. If frozen, thaw, then mix before using.

### WARNING

This product contains boron and the use of this product on any crop other than those recommended by this label may result in serious injury to the crop.

### WARNING

This product is to be used only on soils which respond to molybdenum. Crops high in molybdenum are toxic to grazing animals (ruminants).

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

## KEEP OUT OF REACH OF CHILDREN CAUTION STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Induce vomiting by sticking finger down throat. Never give anything to an unconscious person. Get medical attention.

**IF IN EYES:** Wash eyes with plenty of clear water for at least 15 minutes. Get medical attention. **IF ON SKIN:** Wash immediately with soap and water.

## DIRECTIONS FOR USE

**Nitrate Balancer** is recommended for seasonal use of the following crops:

| Field Crops   | Quarts/ Acre                   | Liters/ Hectare |
|---------------|--------------------------------|-----------------|
| 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 | 4 ltrs.         |
| Tobacco       | 2 qts/4ltrs. 30 days later     | 2 to 4 ltrs.    |

| Vegetables  | Qts/ Acre   | Ltrs/ Hectare | Fruit & Nuts  | Qts/ Acre   | Ltrs/ Hectare  |
|-------------|-------------|---------------|---------------|-------------|----------------|
| 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.   |
| Curcubits   | 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.  |               |             |                |

Use higher rates when excessive growth appears. Under normal conditions, use the lower rates every 14 days beginning at the initiation of the reproductive stage or flowering stage.

### CROP PREPARATION FOR HARVEST

In order to promote sugar movement from leaves to storage tissue, hormones at the growing point must be reduced. the use of **Nitrate Balancer** is only important if plants are not naturally senescing before harvest.

**Asparagus:** 1 gallon per acre (foliar) 4 weeks before cutting fern.

**Potatoes:** 1 gallon per acre (foliar) 4 weeks before killing. If vines are not killed, apply 4 weeks before harvest.

**Onion, garlic, carrots:** Apply 1 gallon per acre 4 weeks before harvest.

**Sugar Beets:**

Apply 1 gallon per acre when plants should normally be senescing.

**Cotton:** Apply 1 gallon per acre at early bloom.

**Sugar Cane:** Apply 1 gallon per acre 6 weeks before harvest.

**Corn:** Apply 0.5 gallon per acre 15-17 days before tasseling.

**Soybeans:** Apply 0.5 gallon per acre at bloom before pods appear.

**Wheat:** Apply 0.5 gallon per acre 14-17 days before the seed head appears.

**Alfalfa:** Apply 0.5 gallon 8 days before cutting.

**Canola:** Apply 0.5 gallon per acre at flowering before pods appear.

**Canning Tomatoes:** Apply 1 gallon per acre 14 days before harvest.

**Apples, Cherries,**

**Peaches:**

Apply 1 quart per acre 14 days, 7 days, and 4 days before harvest.

**Caution:** When using **Nitrate Balancer** in your crop program additional Boron may not be needed.

**Mixing Order:** Nitrate is compatible with most agricultural chemicals. Conduct a "jar test" if in doubt about specific combinations. Follow this mixing procedure: 1. Water, 2. **Nitrate Balancer**, 3. Pesticide.

**CONDITIONS OF SALE:** 1. Seller warrants that 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 the officers 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 limited to replacement of product or refund of purchase price.