



Buffering Agent

# Nutrient Buffer 10-12-0

## GUARANTEED ANALYSIS:

TOTAL NITROGEN (N) .....	10.0%
10.0% Urea Nitrogen .....	
AVAILABLE PHOSPHATE (P <sub>2</sub> O <sub>5</sub> ) .....	12.0%
Zinc (Zn) .....	1.0%
Derived from Urea, Phosphoric Acid and Zinc Sulfate.	

## PRINCIPAL FUNCTIONING AGENT:

Phosphoric Acid .....	12.0%
Constituents Ineffective as a Spray Adjuvant .....	88.0%
TOTAL .....	100.0%

CA Reg. No. 7001-50025



KEEP OUT OF REACH OF CHILDREN

## DANGER

MAY BE CORROSIVE TO METALS. CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION.

## PRECAUTIONARY STATEMENTS:

Do not breathe mist / vapors / spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Call a poison center / doctor if you feel unwell. Specific treatment see First Aid section on this label. Absorb spillage to prevent material damage.

## PERSONAL PROTECTIVE EQUIPMENT:

Wear protective gloves / protective clothing / eye protection / face protection. Wash contaminated clothing before reuse.

**FIRST AID:** Immediately call a poison center / doctor. **IF SWALLOWED** Rinse mouth. Do NOT induce vomiting. **IF ON SKIN (OR HAIR)** Take off immediately all contaminated clothing. Rinse skin with water / shower. **IF INHALED** Remove person to fresh air and keep comfortable for breathing. **IF IN EYES** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## STORAGE AND DISPOSAL:

**STORAGE** Keep only in original container. Store above 32°F in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive resistant container with a resistant inner liner.

**DISPOSAL** Dispose of contents / container in accordance with local / regional / national regulations.

## GENERAL INFORMATION

NUTRIENT BUFFER 10-12-0 is formulated for use as an acidifying agent to lower the pH of alkaline waters. As a foliar nutrient, NUTRIENT BUFFER 10-12-0 is intended solely as a supplement to a well-balanced, existing soil fertilization program. NUTRIENT BUFFER 10-12-0 cannot be used for aquatic applications. Crystallization may occur due to freezing or low temperature. Such crystals will redissolve rapidly at room temperature with gentle agitation.

**Compatibility:** NUTRIENT BUFFER 10-12-0 is specially formulated to be used in conjunction with normal pest control programs. NUTRIENT BUFFER 10-12-0 is compatible with most phosphate, chlorinated hydrocarbon and carbamate based pesticides and with other foliar nutrients. NUTRIENT BUFFER 10-12-0 is not recommended for use in conjunction with copper fungicides.



Manufactured for:  
**J.R. SIMPLOT COMPANY**  
P.O. Box 198, Lathrop, CA 95330 • (208) 336-2110  
IN CASE OF EMERGENCY CALL CHEMTREC 1-800-424-9300

SPECIMEN



## Nutrient Buffer 10-12-0

### RECOMMENDED USES

#### NOT FOR AQUATIC USE.

**BUFFERING AGENT:** Use 1/2 - 2 pints per 100 gallons. Adjust dosage to give a spray mix with pH 4.5 to 6.0. Avoid reducing the pH below 4.5 in pesticide combinations.

#### NUTRIENT USES - Directions for Dilution:

**Aerial Application:** 5 - 20 Gallons of water per acre.

**Dilute:** 200 Plus Gallons of water per acre.

**Concentrate:** 50 - 150 Gallons of water per acre.

**NOTE:** On waxy foliage or fruit add a spreader to smooth wetting and avoid spotting. Use under conditions conducive to rapid drying.

**Alfalfa, Clover:** Apply 1 - 2 qts. per acre when new growth reaches 6 - 8 inches. Repeat application to new growth after each cutting.

**Apples, Pears:** Apply 1 - 2 qts. per acre at petal fall. Repeat applications for two more cover sprays.

**Artichokes:** Apply 1 - 2 qts. per acre. Make applications at 2 - 3 week intervals as needed.

**Beans, Corn, Peas:** Apply 1 - 2 qts. per acre just prior to bloom or tasseling. Follow with a second treatment in 14 - 21 days.

**Boysenberries, Blackberries, Raspberries, Strawberries:** Apply 1 -2 qts. per acre. Apply 3 times per year. Make first application prior to bloom.

**Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Lettuce, Spinach:** Apply 1 - 2 qts. per acre. Make 4 applications starting at thinning time. Repeat at 10 day intervals.

**Citrus & Avocados:** Apply 1 - 2 qts. per acre during periods of active growth. Multiple applications are recommended.

**Cotton:** Apply 1 - 2 qts. per acre at regular intervals throughout the growing season.

**Grapes:** Apply 2 qts. per acre. Make the first application at least 1 week prior to bloom. Make 2 additional applications; making the second application 2 weeks after bloom.

**Peaches, Nectarines, Plums, Prunes, Apricots, Almonds, Cherries, Walnuts:** Apply 1 - 2 qts. per acre. Make first application just prior to bloom. Make second application within 30 day period of first treatment.

**CAUTION:** Do not use with copper fungicides at either treatment.

**Potatoes:** Apply 1 - 2 qts. per acre when plants are approximately 6 inches high. Repeat in 3 - 4 weeks.

**Rice, Wheat & Other Small Grains:** Apply 1 - 2 qts. per acre at tillering and again in early boot stage. Repeat as necessary.



**ATTENTION:** This product can expose you to chemicals including cadmium which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-jr.com>

**DISCLAIMER OF WARRANTIES:** J.R. Simplot Company warrants that the chemical composition of this product conforms to the chemical description and is reasonably fit for the purpose as stated on the label only when used in accordance with label directions under normal conditions of use. To the extent consistent with applicable law J.R. Simplot Company makes no other EXPRESS or IMPLIED WARRANTIES either OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of J.R. Simplot Company and seller. To the extent consistent with applicable law risks such as crop injury, ineffectiveness of other unintended consequences resulting from, but not limited to, ether or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assume by the Buyer or User; To the extent consistent with applicable law, in no case will J.R. Simplot Company or Seller be held liable for consequential, special or indirect damages resulting from the handling, storage or use of this product.

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