



Nutrient Buffer 0-10-0 Plus

Buffering Agent

GUARANTEED ANALYSIS:

AVAILABLE PHOSPHATE (P ₂ O ₅)	10.0%
Sulfur (S)	3.0%
Magnesium (Mg)	3.0%
Zinc (Zn)	1.0%

Derived from Phosphoric Acid, Zinc Sulfate, Magnesium Sulfate.

PRINCIPAL FUNCTIONING AGENT:

Phosphoric Acid	10.0%
Constituents Ineffective as a Spray Adjuvant	90.0%
TOTAL	100.0%

WA Reg No. 7001-04001



KEEP OUT OF REACH OF CHILDREN

DANGER

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

PRECAUTIONARY STATEMENTS:

Do not breathe fumes / gas / mist / vapors / spray. Wash thoroughly after handling. Specific treatment see First Aid section on this label. Dispose of contents / container in accordance with local / regional / national regulations.

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.

ENVIRONMENTAL HAZARDS

Do not contaminate water sources by cleaning of equipment or disposal of wash water.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Storage: Keep only in original container. Store locked up. Store in corrosive resistant container with a resistant inner liner.

Disposal: Absorb spillage to prevent material damage. Do not reuse empty container. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated

containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your site and local ACRC recycler, visit the ACRC web page at www.acrcycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.

GENERAL INFORMATION

Nutrient Buffer 0-10-0 Plus is formulated for use as an acidifying agent to lower the pH of alkaline waters thereby increasing the effectiveness of many pesticides. As a foliar nutrient, Nutrient Buffer 0-10-0 Plus is intended solely as a supplement to a well-balanced, existing soil fertilization program. Crystallization may occur due to freezing or low temperature. Such crystals will redissolve rapidly at room temperature with gentle agitation.

COMPATIBILITY: Nutrient Buffer 0-10-0 Plus is specially formulated to be used in conjunction with normal pest control programs. Nutrient Buffer 0-10-0 Plus is compatible with most phosphate, chlorinated hydrocarbon and carbamate based pesticides and with other foliar nutrients. However, a compatibility test is recommended before full scale mixing if the desired combination has not been used in the past. DO NOT use with highly alkaline spray materials, Bordeaux or lime sprays. Nutrient Buffer 0-10-0 Plus is not recommended for use in conjunction with copper fungicides.

NET CONTENTS: 2.5 GALLONS (9.46 Liters)



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Nutrient Buffer 0-10-0 Plus

RECOMMENDED FOR USE

NOT FOR AQUATIC USE.

BUFFERING AGENT: Use 4 ounces to 3 pints per 100 gallons as required to lower the pH and offset the effect of alkaline water on insecticides and foliar nutrients.

NUTRITIONAL SPRAYS: DIRECTIONS FOR DILUTION

Aerial Application: 5 - 30 gallons of water per acre. Dilute: 100 plus gallons of water per acre. Concentrate: 10 to 100 gallons of water per acre.

Add approximately 1/2 of the water to the tank before adding Nutrient Buffer 0-10-0 Plus to the spray tank. Agitate thoroughly while adding remaining water. Add the pesticide last.

HAY AND FORAGE CROPS SUCH AS: ALFALFA, CLOVER, GRASSES (orchard grasses and Timothy, grass seed): Apply 1 - 4 pints per acre. Apply when new growth reaches 6 - 8 inches in height. Repeat application to new growth after each cutting.

SMALL GRAINS: WHEAT, BARLEY, OATS, RYE, RICE: Apply 1 - 4 pints per acre, application. Apply at tillering and again at early boot stage. Repeat as required.

ARTICHOKES: Apply 2 to 4 pints per acre when flowers are in bud stage. Repeat every 2 - 3 weeks as needed.

BEANS, PEAS, LENTILS, SOYBEANS, RAPESEED (Canola): Apply 1 - 8 pints per acre. Apply at bud stage to early bloom stage. Repeat every 2 weeks or as required.

CARROTS, BEETS & OTHER VEGETABLE ROOT CROPS, ASPARAGUS: Use 1 - 4 pints per acre. Apply early in the growing season and continue every 2 to 3 weeks throughout the growing season.

DECIDUOUS FRUITS, NUT CROPS SUCH AS:

ALMONDS: Apply 1 - 8 pints per acre, per application. Apply pre and post bloom at intervals of 3 to 4 weeks, or as required.

APPLES, PEARS: Apply 1 - 4 pints per acre, per application. Start applications early in the growing season. Apply as a pre-bloom and post-bloom spray. Continue applications throughout the season as required. Avoid combining with materials that may cause russetting on fruit. High rates may cause russetting on D'Anjou variety of pears.

APRICOTS, CHERRIES, FILBERTS, PEACHES, PLUMS, PRUNES, PECANS, PISTACHIOS, NECTARINES, WALNUTS: 1 - 8 pints per acre per application. Start applications early in the growing season. Apply as a pre-bloom and post-bloom spray. Continue applications throughout the season as required. Avoid combining with materials that may cause russetting on fruit.

AVOCADOS: Apply 2 to 4 pints per acre. Fully wet foliage.

CITRUS: (ALL VARIETIES): 1 - 4 pints per acre, per application. Apply as a pre-bloom and post-bloom spray. Subsequent applications should be made during periods of new growth flushes.

OLIVES: Apply 2 to 4 pints 15 - 20 days after thinning. Repeat 3 - 4 weeks later. If crop is not thinned, apply 1 - 2 weeks after full bloom. Repeat 3 - 4 weeks later.

HOPS: Apply 1 - 4 pints per acre, per application in cover sprays.

GRAPES: 1 - 8 pints per acre, per application. Apply when new shoot growth has reached the 4 to 6 leaf stage. Apply as pre-bloom and post-bloom spray.

KIWI: Apply 2 to 4 pints per acre. Repeat as needed.

POTATOES; IRISH AND SWEET: Apply 1 - 4 pints per acre, per application. Start application when plants reach 4 to 12 inches in height. Applications should be made at 2 to 3 week intervals.

CORN: (FIELD, SWEET AND POPCORN): Apply 1 - 8 pints per acre, per application.

LETTUCE, CELERY, COLE CROPS, LEAFY VEGETABLES: Apply 1 - 4 pints per acre, per application. Apply several times during the growing season or after transplanting or thinning. Repeat every 10 to 14 days.

FIELD CROPS SUCH AS: COTTON, PEANUTS, SUNFLOWER, SUGAR BEETS, TABLE BEETS: Apply 1 - 6 pints per acre, per application throughout the growing season. Start applications when plants have 6 inches to 8 inches of growth. **SUGAR BEETS:** Use 1 - 6 pints per acre, per application. Apply when leaves are 10 inches across. Repeat at 3 to 4 week intervals.

MINT: Apply 1 - 4 pints per acre, per application and repeat after each cutting.

ONIONS, GARLIC: Apply 1 - 4 pints per acre, per application. Repeat 2 - 3 weeks later.

TOMATOES, PEPPER, CUCURBITS, MELONS, SQUASH: Apply 1 - 4 pints per acre, per application. Apply prior to bloom. Use one to three applications at 2 - 3 week intervals. Apply in sufficient water to obtain thorough coverage.

BERRIES: (STRAWBERRIES, BLACKBERRIES, RASPBERRIES, BLUEBERRIES, BOYSENBERRIES): Apply 1 - 4 pints per acre, per application in spring on new growth. Repeat prior to bloom and again after bloom. Use sufficient water for good coverage.

CRANBERRIES: Apply 1 - 4 pints per acre, per application. Apply at popcorn stage. Repeat 3 weeks later.



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, either or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed 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.