



Buffering Agent

Nutrient Buffer 0-10-0

GUARANTEED ANALYSIS: 0-10-0	BY WT.
Available Phosphate (P ₂ O ₅)	10.0%
Derived from Phosphoric Acid.	
PRINCIPAL FUNCTIONING AGENT:	BY WT.
Phosphoric Acid	10.0%
Constituents Ineffective as a Spray Adjuvant	90.0%
Total	100.0%

WA Reg. No. 65343-80002

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

DANGER KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles or face shield), chemical resistant gloves, coveralls worn over long-sleeved shirt and long pants, chemical resistant footwear and socks. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

GENERAL INFORMATION

NUTRIENT BUFFER 0-10-0 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** is intended solely as a supplement to a well-balanced, existing soil fertilization program. **NUTRIENT BUFFER 0-10-0** 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 0-10-0** is specially formulated to be used in conjunction with normal pest control programs. **NUTRIENT BUFFER 0-10-0** 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** is not recommended for use in conjunction with copper fungicides.

STORAGE AND DISPOSAL

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

STORAGE: Store above 32°F in a well ventilated, dry area.

DISPOSAL: 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 state and local ACRC recycler visit the ACRC web page at www.acrcycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.

RECOMMENDED USES

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.

NUTRIENT SPRAYS: Directions for Dilution:

Aerial Application: 5-30 gallons of water per acre.

Dilute: 100 plus gallons of water per acre.

Concentrate: 10-100 gallons of water per acre. Add approximately 1/2 of the water to the tank before adding Nutrient Buffer 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.

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SPECIMEN

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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.

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.

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 week 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.

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.

DISCLAIMER OF WARRANTIES: Seller warrants that the chemical composition of this product conforms to the chemical description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or an accompanying written recommendation are beyond the control of seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

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