



10-12-0 Zn

Nutrient Buffer Spray Solution

GUARANTEED ANALYSIS:

Nitrogen (N)	10%
Available Phosphate (P_2O_5)	12%
Zinc (Zn)	2%
Derived from Urea, Phosphoric Acid and Zinc Sulfate.	

ACTIVE INGREDIENT:

Zinc Sulfate	4.9%
Phosphoric Acid	15.8%

INERT INGREDIENTS: 79.3%

Total 100.0%

CA Reg. No. 7001-50529-AA



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: Keep only in original container. Do not breathe fume / gas / 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.

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 you feel unwell. **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:

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

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive resistant container with a resistant inner liner. Keep product in original container. Do not put concentrated or diluted product into food or drink containers. Do not store at temperatures below 32°F. Avoid prolonged storage at temperatures below 40°F, since crystals may form which are difficult to dissolve.

Container Disposal: Absorb spillage to prevent material damage. Dispose of contents / container in accordance with local / regional / national regulations. 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.acrecycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.

PHT 10-12-0 Zn Nutrient Buffer Spray Solution is a concentrated foliar nutrient spray buffering agent. It is designed to be applied alone or in combination with insecticidal, fungicidal and herbicidal sprays. It supplies the essential plant nutrients of nitrogen, phosphate, and zinc and provides buffering agents where these are needed to be used with insecticides, herbicides and fungicides. For proper buffering action, add to tank before addition of pesticide.



Manufactured for:
J.R. SIMPLOT COMPANY
P.O. Box 70013, Boise, ID 83707 • (208) 336-2110
P.O. Box 198, Lathrop, CA 95330

SPECIMEN



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COMPATIBILITY PHT 10-12-0 Zn Nutrient Buffer Spray Solution is compatible with most insecticides. Use care when combining with copper fungicides since solubility of copper may be increased and cause plant injury. It is compatible with most other nutritional spray materials. Do not combine with 2, 4-D formulations, as a precipitate may form and herbicidal activity be reduced. If any question of compatibility arises, a small test batch should be made prior to full batch mixing.

Note: Bait-type products may be less effective when mixed with PHT 10-12-0 Zn Nutrient Buffer Spray Solution.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH CAUTIONS AND DIRECTIONS.

DIRECTIONS FOR USE

ARTICHOKES: Apply two applications about 2-3 weeks apart, the last just prior to bloom. Use 1 qt. per acre in 10-30 gals. of water.

BUSHBERRIES, BLUEBERRIES, CRANBERRIES, STRAWBERRIES: Apply 1 qt. per acre in 30-50 gals. water just prior to first bloom. Repeat application once or twice during early fruiting period. Use 1 qt. per acre to 10-15 gals. water by air.

CITRUS: Apply 1-2 qts. per 100 gals. with maximum 1 gal. per acre per application by ground.

By Air: Apply 1 qt. in 15 to 20 gals. per acre. Do not exceed 1 qt. per acre by air. Application should not be made during the late fall and winter months, when fruit is on the trees.

COLE CROPS: Broccoli, Cabbage, Cauliflower, Brussels Sprouts - Apply 1-2 qts. per acre in 30-50 gals. water by ground rig. Use 1 pt. per acre in 10-15 gals. water by air. Make first application after plants have become established followed by subsequent application at 3-4 week intervals until up to 2-3 weeks before harvest.

DECIDUOUS TREES AND GRAPES: Almonds, Apples, Cherries, Grapes, Nectarines, Peaches, Pears, Plums, Prunes and Walnuts - Apply 1-2 qts. per acre per application using sufficient water to cover. Use 1 qt. per acre in 10-15 gals. water by air. Make 2-3 applications per year starting with period prior to bloom. Caution (Table Grapes): May cause fruit spotting (injury) when used with other chemicals in concentrate applications.

FIELD CROPS: Alfalfa, Barley, Beans, Clover, Clover (Seed Crop), Corn, Cotton, Milo, Peanuts, Peas, Rice, Safflower, Soybeans, Sugar Beets, Wheat - Apply 1-2 qts. per acre in 20-50 gals. water. For aerial application use 1 qt. per acre in 10-15 gals. water. Make first application 2-3 weeks prebloom. For beans and peas make second application just before bloom. For cotton make 1-3 applications starting when squares first appear. For sugar beets make several applications at 10-20 day intervals beginning right after thinning.

HOPS: Apply 1-2 qts. per acre in sufficient water to cover. Make first application 3-4 weeks before cone formation followed by subsequent application at 3-4 week intervals. In a cover spray program use 1 pt. per 100 gals. water.

MINT: Apply 1 qt. per acre in 30-50 gals. water by ground rig. For air application use 1 qt. per acre in 10-15 gals. water. Make first application when plants have made 4-6 inches of growth in the spring. Repeat once or twice at 3-4 week intervals.

ORNAMENTAL TREES AND SHRUBS, FIELD & GREENHOUSE GROWN FLOWERS: Apply 1 qt. per acre in 30-50 gals. of water, using sufficient water to cover. Make 2-3 applications during the year starting with first application after plants have fully leafed out in the spring. For evergreen-type plants make first application in the spring when weather has warmed. For buffering purposes only, use 1 qt. per 100 gals. water.

VEGETABLE AND MELON CROPS: Cantaloupes, Celery, Cucumbers, Eggplant, Garlic, Italian Squash, Lettuce, Melons, Onions, Peppers, Potatoes, Spinach, Sweet Corn, Tomatoes - Apply 1-2 qts. per acre in 30-50 gals. water. Use 1 qt. per acre in 10-15 gals. water by air. Make initial application after thinning stage of growth. For lettuce continue applications at 8-10 day intervals, reducing application rate to 1 pt. per acre per application. For tomatoes, eggplant, and peppers continue applications at 10-15 day intervals into the early fruiting stage of growth.

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 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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