



MONTEREY NUTRIENT BUFFER 10-12-0 ZNP

READ ENTIRE LABEL BEFORE USING THIS PRODUCT

MONTEREY NUTRIENT BUFFER 10-12-0 ZNP is designed specifically as a clear, foliar nutrient-buffer system containing nitrogen, phosphorus, zinc and manganese. MONTEREY NUTRIENT BUFFER 10-12-0 ZNP, when used as directed, acidifies alkaline waters while providing a well balanced supply of foliar nutrients. Urea is utilized as the sole source of nitrogen to enhance uptake of all contained nutrients.

MONTEREY NUTRIENT BUFFER 10-12-0 ZNP is a superior acidifying-buffering agent. Normal rates of 1-2 pints per 100 gallons of spray mix will lower the pH of alkaline water to levels more optimal for maximum performance of most insecticides. Certain fungicides may also benefit from the addition of MONTEREY NUTRIENT BUFFER 10-12-0 ZNP.

COMPATIBILITY: MONTEREY NUTRIENT BUFFER 10-12-0 ZNP is compatible with most insecticides and minor elements with the exception of compounds containing sabadilla used on citrus. However, if the desired combination has not been previously used, a compatibility test is recommended. Caution should be used with copper fungicides as this material may increase their solubility.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Causes skin irritation. Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

ENVIRONMENTAL HAZARDS - Do not contaminate water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

STORAGE: Store in original container away from children, animals, foods, feeds and seeds. Handle in accordance with Precautionary Statements. In the event of spillage or leakage, soak up the material with absorbent clay, sand, sawdust or other absorbent material. Scrape up and dispose in accordance with Product Disposal. **PRODUCT DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

COMPOSITION AS SPRAY ADJUVANT

PRINCIPAL FUNCTIONING AGENTS:

Phosphoric acid, iron sulfate, manganese sulfate, zinc sulfate, and coconut imidazoline sodium carboxylate 28.9%

CONSTITUENTS INEFFECTIVE AS SPRAY

ADJUVANT: 71.1%
TOTAL: 100.0%

Calif. Reg. No. 17545-50020-AA

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF IN EYES: Flush with plenty of water for 15 minutes. Get medical attention.

IF ON SKIN: Wash with plenty of water for 15 minutes.

GUARANTEED ANALYSIS 10-12-0

Total Nitrogen (N) 10.0%
10.0% Urea Nitrogen
Available Phosphoric Acid (P₂O₅) 12.0%
Manganese (Mn) 1.0%
Zinc (Zn) 2.0%

Derived from urea, phosphoric acid, manganese sulfate and zinc sulfate.

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

CONDITIONS OF SALE AND WARRANTY

Monterey Chemical Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated when used in accordance with the use directions under normal conditions. Monterey Chemical Company neither makes, nor authorizes any agent or representative to make, any other warranties, express or implied, including fitness or merchantability.

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, presence of other materials, or other influencing factors, all of which are beyond the control of Monterey Chemical Company and Seller. Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage and use of this material not in strict accordance with directions given herewith. In no case shall Monterey Chemical Company or the Seller be liable for consequential, special, indirect, or incidental damages or losses resulting from the storage, handling or use of this product. The foregoing is a condition of sale by Monterey Chemical Company and is accepted as such by the Buyer.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

NET CONTENTS: 1 GALLON / 3.75 LITERS

Manufactured for:
MONTEREY AG RESOURCES
P.O. Box 35000 • Fresno, CA 93745-5000
(559) 499-2100

DIRECTIONS FOR USE

A wetting agent or spreader should be used when applying MONTEREY NUTRIENT BUFFER 10-12-0 ZNP to prevent beading of droplets. Avoid making applications to crops stressed from heat, drought, salinity, etc.

MONTEREY NUTRIENT BUFFER 10-12-0 ZNP may be used as a foliar nutrient spray or buffer adjuvant on all field, fiber, forage, fruit, nut and vegetable crops.

Deciduous fruits and nuts including but not limited to almonds, apples, apricots, peaches, pears, plums and walnuts: Apply 1-2 quarts per acre per application in delayed dormant through spring period. Several applications per year are advised. Do not apply as a foliar nutrient spray during bloom.

Alfalfa: For seed formation, apply 1-2 quarts per acre in 10-30 gallons water just prior to bloom, followed by 3-4 applications every 10 days.

Asparagus, spinach, carrots, celery, garlic, onions, peppers, potatoes, artichokes: Apply 1-2 quarts per acre as needed.

Barley, wheat, rice, milo, oats: Apply 1-2 quarts per acre during early tiller to early boot stages of growth.

Beans, peas, lentils: Apply 1-2 quarts per acre just prior to bloom stage.

Boysenberries, blackberries, strawberries: Apply 1-2 quarts per acre as needed.

Citrus: Apply 1-2 quarts per acre as needed.

Cole crops (broccoli, brussels sprouts, cabbage, cauliflower): Make 1-2 applications at a rate of 1-2 quarts per acre.

Corn: Apply 1-2 quarts in 20 gallons of water per acre. Best periods are when plants are 2"-4" tall and when tassels first appear.

Cotton: Make 1-3 applications starting just prior to main bloom at a rate of 1-2 quarts per acre.

Grapes: Make 3 applications per year, starting at bloom at a rate of 1-2 quarts per acre.

Lettuce: Make 1-4 applications at 10-day intervals starting at thinning period at a rate of 1-2 quarts per acre.

All melons, cucumbers, squash: Apply 1-2 quarts per acre with maximum concentration of 1-2 quarts to 15 gallons water.

Ornamentals and flower crops: Apply 1-2 quarts per acre in sufficient water to cover.

Sugar beets: Apply 1-2 quarts per acre. Several applications at 10-15 day intervals may be justified.

Tomatoes: Apply 1-2 quarts per acre every 10-15 days in the period just prior to and during the fruiting period.