



MONTEREY CAL-PHOS

0-23-0

Nutrient Spray - Buffer Solution

READ ENTIRE LABEL BEFORE USING PRODUCT

GENERAL INFORMATION

MONTEREY CAL-PHOS supplies water-soluble nutrients combined with a complete surfactant system to enhance MONTEREY CAL-PHOS nutrient plant uptake of micronutrients and other nutrients. MONTEREY CAL-PHOS is a water-soluble product that will acidify and buffer alkaline spray solutions, thereby reducing hydrolytic breakdown of various pesticides such as organophosphate insecticides.

DIRECTIONS FOR USE

MIXING DIRECTIONS: Fill clean spray tank 1/2 - 1/2 full with clean water. Use 1 quart MONTEREY CAL-PHOS per minimum 10 gal. of fresh spray, continue filling tank and thoroughly agitate. Add pesticides after all water has been added. Follow pesticide DIRECTIONS FOR USE.

COMPATIBILITY: MONTEREY CAL-PHOS is compatible with most pesticides and fertilizers. However, if the desired combination has not been previously used, a compatibility test is recommended. When various concentrations of MONTEREY CAL-PHOS were prepared using a water at an initial pH = 8.0, the following pH values were measured:

Concentration	pH
1 qt./100 gal.	5.4
1 qt./500 gal.	6.6
1 qt./1,000 gal.	6.8

APPLICATIONS: For foliar nutrient spray and/or pesticide adjuvant, dilute 1 quart MONTEREY CAL-PHOS in a minimum of 10 gallons of water. Use this dilution for either aerial or ground applications.

Application of area (for example, 5 lbs. 10-81 Urea per 100 gal. spray solution) may enhance foliar uptake of MONTEREY CAL-PHOS. For improved wetting and/or spreading of MONTEREY CAL-PHOS either NO FOAM A or MONTEREY X-100 may be used.

For row or field crops apply in no less than 20 gal. water per acre by ground and no less than 10 gal. water per acre by aerial application. For applications by ground use a backpack sprayer or ground sprayer equipped with anti-siphon or back-suck valves (to prevent contamination of water source by back flow), add the recommended amount of MONTEREY CAL-PHOS in the tank and inject into irrigation water.

DO NOT apply when plants are suffering from moisture or heat stress.

CAUTION: Tank mixtures of MONTEREY CAL-PHOS with copper-based products can be phytotoxic unless phytotoxicity test or field trials are conducted. Do not apply to sensitive crops or to sensitive plants. Do not apply to sensitive crops or to sensitive plants. Do not apply to sensitive crops or to sensitive plants. Do not apply to sensitive crops or to sensitive plants.

FOLIAR NUTRITIONAL SPRAYS: Use the doses recommended in the accompanying table. **PESTICIDE ADJUTANT FOR TERRESTRIAL/AQUATIC USE SITES:** Use 1-2 qts. product per 100 gallons of water to reduce the pH of alkaline waters used for pesticide applications.

STORAGE AND DISPOSAL

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

Storage: Store in original container at temperatures above 40°F.

Product Disposal: Vessels 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 incineration or, if allowed by state and local authorities, by burning, if burned, stay out of smoke.

Foliar Nutrient Spray Solution Activator • Buffering Agent

GUARANTEED ANALYSIS 0-23-0

Available Phosphoric Acid (P ₂ O ₅)	23.0%
Calcium	3.0%
Phosphate derived from calcium phosphate and phosphoric acid; Calcium from calcium phosphate	3.0%

COMPOSITION AS SPRAY ADJUVANT

PRINCIPAL FUNCTIONING AGENTS:	29.50%
CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANT:	70.10%
TOTAL	100.00%

*Contains 3.20 lbs. functioning agents per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION:

HARMFUL IF SWALLOWED PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Irritant if swallowed. Causes eye and skin irritation. In case of contact, immediately flush eyes or skin with plenty of water.

Statement of Practical Treatment

If swallowed: Drink two glasses of water or milk to dilute. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

If in eyes or on skin: Flush with water for at least 15 minutes. Do not rub eyes. Seek medical attention immediately.

CONDITIONS OF SALE

1. Seller warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. No one other than the officer of Seller is authorized to make any warranty, guarantee or disclosure concerning this product. 2. Because of the time, place, rate of application and other conditions of use are beyond Seller's control, Seller's liability from handling, storage and use of this product is limited to replacement of product or refund of purchase price.

Net Weight: 10.70 lbs./gallon at 68°F

Net Contents: 5 gallons

This product is manufactured by:

MONTEREY CHEMICAL CO.

P.O. BOX 5317

FRESNO, CA 93755

DIRECTIONS FOR USE

FOLIAR SPRAYS	MAXIMUM RATE	REMARKS
Azalea, Clover	1-2 qts/A	Apply at 3-5' height. Repeat at 2-3 week intervals and/or after cutting.
Asparagus	1-2 qts/A	Apply after thinning or transplanting. Repeat at 1-2 week intervals. Use non-toxic spreader to insure thorough coverage.
Beans, Peas, Lentils	1-2 qts/A	Apply at first bloom and repeat 2 weeks later.
Berries (blueberries, raspberries, strawberries)	1-2 qts/A	Apply to new growth in spring, at pre-bloom and repeat at 2-3 week intervals.
Brassica (Cole) Crops (broccoli, cabbage, etc.)	1-2 qts/A	Apply at thinning or transplanting. Repeat at 1-2 week intervals. Use non-toxic spreader to insure thorough coverage.
Bulb Vegetables (onions, garlic)	1-2 qts/A	Apply at 6-8' height and repeat at 3 week intervals.
Citrus, Deciduous Fruits and Nuts (apples, cherries, figs, kiwis, olives, peaches, plums, pears, almonds, walnuts, etc.)	1-4 qts/A	Apply delayed-dormant or pre-bloom, post-bloom and repeat at 2-3 week intervals as needed. Note: Higher rates may cause russeting of D'Arjou pears.
Corn (field and sweet)	1-4 qts/A	Apply at 18" height and again before tasseling.
Cotton	1-2 qts/A	Apply pre-bloom and repeat as needed.
Cucumbers (pickling and slicing)	1-2 qts/A	Apply when 2nd true leaf unfolds and repeat at 2-3 week intervals.
Grapes	1-4 qts/A	Apply to new foliage in spring, at pre-bloom and at 2-3 week intervals. Apply to new foliage in pre-bloom and again when they reach the top of the trellis.
Hops	1-2 qts/A	Apply to new foliage in spring, at pre-bloom and at 1-2 week intervals as needed.
Leafy Vegetables (celery, lettuce, spinach)	1-2 qts/A	Apply at bloom and repeat at 2-3 week intervals as needed.
Mint	1-2 qts/A	Apply at 6-8' height and repeat at 3 week intervals as needed.
Oilseed Crops (canola, safflower, sunflower)	1-3 qts/A	Apply at 6-8' height and repeat at 2-3 week intervals.
Peppers	1-2 qts/A	Apply at 6-8' height and repeat at 2-3 week intervals.
Potatoes	1-2 qts/A	Apply at initial tuber formation and repeat at 2-3 week intervals.
Small Grains (barley, oats, rice, wheat, etc.)	1-2 qts/A	Repeat at 2-3 week intervals as needed.
Strawberries	1-2 qts/A	Apply at 2-3 week intervals, at pre-bloom and repeat at 2-3 week intervals.
Sugarcubes	1-3 qts/A	Apply after 4th true leaf unfolds. Repeat 3-4 weeks later.
Tomatoes	2 qts/A	Apply at 6-8' height and repeat at 2-3 week intervals.
Ornamentals, Turf	1-2 qts/A	Apply as needed at 3 week intervals up to bloom.
Turf	4 qts	Apply in spring. Apply doses in at least 200 gallons of water per 10,000 sq. ft.

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