

# RASTO™ OM

## Fertilizer - Soluble Concentrate

**1-0-10**

### GUARANTEED ANALYSIS

Total Nitrogen (N) .....	1.0%
1.0% Nitrate Nitrogen	
Soluble Potash (K <sub>2</sub> O) .....	10.0%

Derived from: Nitric Acid, Potassium Hydroxide

### ALSO CONTAINS NON-PLANT FOOD INGREDIENT:

25.0% Organic Matter

### KEEP OUT OF REACH OF CHILDREN

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)  
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Information regarding the contents and levels of metals in this product is available on the internet at  
<http://www.aapfco.org/metals.html>

SDS is available at [www.upl-ltd.com/us](http://www.upl-ltd.com/us)

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
**FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL ROCKY MOUNTAIN POISON AND DRUG SAFETY: 1-866-673-6671.**  
**FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure, or accident) CALL CHEMTREC 1-800-424-9300.**

Lot no:

Date of manufacture:

Expiration date: 2 years from manufacture date.

**Density: 10.4 lb/gallon (1.25 kg/L) at 68°F**

**Net Volume and Net Weight:**

**2.5 Gallons (9.5 L)/26.2 lb (11.9 kg)**

**264.2 Gallons (1000 L)/2,748 lb (1,250 kg)**

**PLANT  
NUTRITION**

FL002913

Produced and Guaranteed by: **UPL NA Inc.** • 630 Freedom Business Center  
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## PRODUCT INFORMATION

RASTO™ OM is a product recommended for use in conjunction with balanced fertilization programs to optimize nutrient conditions for plant growth when delivered via soil or foliar applications. RASTO OM may improve soil cation exchange capacity.

## DIRECTIONS FOR USE

RASTO OM can be applied to all crops grown for food and fiber.

## RECOMMENDATIONS FOR USE

APPLICATION METHOD	DOSAGE fl oz/A	APPLICATION DIRECTIONS
Seedling Production	13 - 26	For seedling production in seedbeds, greenhouses, or nurseries. Apply 13 - 26 fl oz of RASTO OM for every 100 gal of water, or mixed with foliar fertilizers in the same proportion.
At Transplant	30 - 60	Apply 30 - 60 fl oz of RASTO OM for every 100 gal of water combined with the starter fertilizer.
Soil Application	64 - 128	RASTO OM can be soil applied through any irrigation system, alone or mixed with fertilizers. Apply 1/2 - 1 gal/acre of RASTO OM in the critical growth stages: germination, vegetative growth, flowering, fruit set and fruit development. Soil drenches of RASTO OM should be made in sufficient water to ensure adequate penetration into the entire root zone. Soil-directed sprays should be applied in a minimum of 5 gallons per acre of water or liquid fertilizer. In-furrow applications should be made in a minimum of 3 gallons per acre of water or liquid fertilizer. Application of RASTO OM in irrigation water should mimic common local application methods for volume and duration.
Foliar Application	8 - 32	During plant growth and development, apply 8 - 32 fl oz/acre of RASTO OM, with foliar fertilizers. To improve the biological activity of foliar fertilizers and plant growth regulators, mix with 8 - 16 fl oz/acre of RASTO OM. RASTO OM use rates are based on application in water of sufficient volume to obtain ideal coverage of foliage. While this varies greatly by geography, crop, application method and application equipment, this is typically 5+ gallons per acre for aerial application, 10+ gallons per acre for row and vegetable crops, and 50+ gallons per acre for specialty, tree, nut and vine crops. Actual application volume should mimic common local practices.

## MIXING

Shake the RASTO OM container, open it, ensure that the safety seal is not altered, and remove it. Pour product into sufficient quantity of water in the mixing tank. Triple-rinse the container and empty washes into the mixing tank. Agitate the spray tank or container during the mixing process.

Follow common product mixing parameters when tank-mixing. RASTO OM is compatible with numerous common crop protection and fertilizer

products, however a jar test is recommended prior to mixing with products to verify compatibility.

A common agricultural adjuvant can be added for foliar applications if this is a standard local practice.

RASTO OM is compatible with most of the insecticides, fungicides, herbicides, and acid, neutral, and alkaline fertilizers, so it can be used in combination with foliar or soil applications including fertigation programs. RASTO OM is not phytotoxic at the recommended rates. When using RASTO OM with other products, add RASTO OM to the water before mixing with the other products.

With high phosphate and calcium fertilizers, first mix in a blender equal parts of water and RASTO OM, then slowly add fertilizer until RASTO OM complexes with fertilizer and finish adding the rest of the fertilizer.

When combined with liquid ammonia, pressure may develop in the application equipment. It is recommended to mix in open equipment or equipment with working pressure valves.

This product may present fine sediments which easily resuspend after blending.

Shake well before use.

## IMPORTANT INFORMATION READ BEFORE USING PRODUCT CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of UPL NA Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of UPL NA Inc. and Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold UPL NA Inc. and Seller harmless for any claims relating to such factors.

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