

GROW MORE

100% SOLUBLE FERTILIZER CONCENTRATE • DISSOLVES IN COLD WATER

10-20-30

GUARANTEED ANALYSIS:

Total Nitrogen (N) 10.00%	Sulfur (S), combined 1.50%	Manganese (Mn)..... 0.05%
3.3% Ammoniacal Nitrogen	Boron (B) 0.02%	0.05% Chelated Manganese
6.7% Nitrate Nitrogen	Copper (Cu) 0.05%	Molybdenum (Mo) 0.0005%
Available Phosphate (P ₂ O ₅)... 20.00%	0.05% Chelated Copper	Zinc (Zn) 0.05%
Soluble Potash (K ₂ O)..... 30.00%	Iron (Fe)..... 0.10%	0.05% Chelated Zinc
	0.10% Chelated Iron	

Nutrients derived from Ammonium Nitrate, Ammonium Phosphate, Potassium Nitrate, Potassium Phosphate, Ammonium Sulfate, Boric Acid, Copper EDTA, Iron EDTA, Manganese EDTA, Ammonium Molybdate, Zinc EDTA.

CAUTION: KEEP OUT OF REACH OF CHILDREN

The Seller hereby represents and warrants that the fertilizer shall be manufactured and shipped to purchaser in a form suitable for application to plants, trees and other agricultural crops and hereby further represents and warrants that the fertilizer product shall meet the guaranteed minimum analysis as set forth on the product's identity label. However, this warranty does not extend to the use of this product contrary to label's instructions and the buyer assumes the risk of any such use.

WARNING: Application of fertilizing materials containing Molybdenum may result in forage crops containing levels of Molybdenum which are toxic to ruminant animals. This product also contains Boron and may result in injury to crops.

DIRECTIONS

For general application, dissolve 2 to 4 Lbs. per 100 gallons of spray solution or 5 to 10 Lbs. per acre. May be applied by aircraft at rates as low as 5 Lbs. per 2 gallons of water per acre. For backpack sprayer, use 4 teaspoons per gallon of water.

FIELD & VEGETABLE CROPS: As foliar spray, use 5 to 10 Lbs. per acre. Apply at 7 to 10-day intervals, depending on amount of growth desired or when supplement feeding is necessary. Depending on the crop, make first treatment when the plants are 3 to 4 weeks old or when there is sufficient foliage for spraying. May be applied to all field vegetable crops cotton, soybeans, peanuts, corn, alfalfa, sorghum, forage crops, tomatoes, peppers, cucumbers, beans, lettuce, celery, melons, squash, radishes, onions, broccoli, cabbage, spinach, cauliflower and potatoes. **TRANSPLANTING:** Use 2 Lbs. per 100 gallons of water (1 cup of mixed solution per plant for handsetting). An average of 250 gallons of prepared solution is required per acre.

FRUITS & NUT CROPS: As foliar concentrate sprays, use at the rate of 5 to 10 Lbs. per acre. As diluted foliar spray 2 Lbs. per 100 gallons of water. Apply early in the season or when improved vigor is desired, 3 to 4 applications. (CAUTION: Do not use GROW MORE in late season sprays where fruit color and maturity is delayed by nitrogen applications.) Per season recommended may be applied to citrus (all kinds), apples, peaches, pears, pecans, avocados, plums, prunes, apricots, cherries, walnuts, almonds, nectarines, strawberries, grapes and other vine crops. Apply early in the season during flush of new growth before fruit matures. (Note: Use a minimum of 100 gallons of water per acre for diluted sprays and not less than 4-5 gallons per acre for concentrated sprays.)

COMMERCIAL NURSERY & GREENHOUSE: As foliar spray, use 2 to 4 Lbs. per 100 gallons or 4 tps. per gallon of water. For greenhouse cut-flowers, flat, small pots, use 2 Lbs. per 100 gallons of water for intermittent feeding (every 2 weeks) and for constant feeding (every watering), use 4 to 8 ozs. per 100 gallons of water. For container foliage plants, use up to 3 Lbs. per 100 gallons of water for intermittent feeding and for constant feeding, use 8 to 12 ozs. per 100 gallons of water.

RECOMMENDED APPLICATION:

Plant / Crops:	Constant Feeding	Intermittent	ELECTRICAL CONDUCTIVITY (E.C.)		OZS./FERTILIZER PER GAL. Injector Ratio		
			ppm Nitrogen	E.C. mmhos/cm	1:15	1:100	1:200
Bedding Plants	100-150 ppm	200-250 ppm	50	0.37	0.83	5.5	11
Cut-Flowers	175-225 ppm	300-450 ppm	100	0.75	1.60	11.0	22
Plug Production	50-125 ppm	175-225 ppm	200	1.50	3.30	22.0	44
Tropical Foliage	150-200 ppm	250-300 ppm					
Outdoor Container Plants	50-100 ppm	200-350 ppm					
Vegetable Field Crops	50-100 ppm	300-400 ppm					
Fruit & Nut Crops	-	300-450 ppm					

COMMERCIAL ORCHIDS: For periodic feeding, use 3 Lbs. in 100 gallons of water. For constant feeding, use 8 ounces in 100 gallons of water or contact GROW MORE for recommendation.

COMMERCIAL TURFGRASS AREAS: Use between 1/8 and 1/4 Lb. nitrogen per 1,000 sq. ft. every 2 to 3 weeks. Color and rate of growth will determine frequency of application. Turf growing in shade requires half as much fertilizer as when growing in full sun. Apply when soil is wet, dissolve in 10 or more gallons of water. For example: Formula 20-20-20 1/8 Lb. Nitrogen - use 10 ounces per 1,000 square feet.
1/4 Lb. Nitrogen - use 20 ounces per 1,000 square feet.

FERTIGATION: Contact Grow More for specific recommendation

MIXING INSTRUCTIONS: Add GROW MORE to tank when half full. Agitation is advised, GROW MORE fertilizer, depending on the formula, is soluble up to 4 Lbs. per gallon of water. Water temperature is important in determining fertilizer solubility. Higher water temperatures have greater solubility and quicker dissolving time. As fertilizers are added to the solution, water temperature immediate decreases. When preparing concentrated solutions, allow for this temperature drop to insure that all the fertilizers are properly dissolved.

COMPATIBILITY: GROW MORE is compatible with most commonly used pesticides and fungicides. DO NOT USE WITH HIGHLY ALKALINE SPRAY MATERIALS, BORDEAUX, OIL, OR DINITRO COMPOUNDS. Before using previously untried mixes, we strongly recommend performing a compatibility test before full scale tank mixing.

NOTE: Information regarding the contents and levels of metals in this product is available by calling 1-800-338-7160.

GROW MORE

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www.growmore.com

RESEARCH & MANUFACTURING FOR OVER 87 YEARS



MATERIAL SAFETY DATA SHEET

M.S.D.S.

I- PRODUCT IDENTIFICATION

TRADE NAME (as labeled) : GROW MORE 10-20-30

MANUFACTURER'S NAME : GROW MORE, INC.
15600 New Century Drive
Gardena, CA 90248
Tel. (310) 515-1700
Fax (310) 515-4937

DATE PREPARED/REVISED : March 20, 2000

NAME OF PREPARER : H. Langheim

II- HAZARDOUS INGREDIENTS

Chemical Name	CAS No. & %	Exposure Limits in Air (give units)		
		ACGH TLV	OSHA PEL	OTHER (specify)
Sodium Molybdate	7439987	5 mg/m ³	5 mg/m ³	
Manganese EDTA	7439965			Oral LD50Rat: 1750 mg/kg
Copper EDTA	7440508			"
Zinc EDTA	7440666			"

III- PHYSICAL PROPERTIES

VAPOR DENSITY (AIR = 1) : N/A

SPECIFIC GRAVITY : Approx. 1.7 g/cc

SOLUBILITY IN WATER : 300 g/l or greater

VAPOR PRESSURE, mmHg AT 20°C : N/A

APPEARANCE AND ODOR : Fine crystals & powder

MELTING POINT OR RANGE, °F : Not established

BOILING POINT OR RANGE, °F : N/A

EVAPORATION RATE (BUTYLACETATE = 1) : 0

DECOMPOSITION TEMPERATURE : 250 - 374°F

pH 1% SOLUTION : 4.5 - 5.5

MOLECULAR WEIGHT : 110 - 117

CHEMICAL NAME : Proprietary mixture containing Ammonium Phosphate, Potassium Phosphate, Potassium Nitrate, Potassium Sulfate, Ammonium Sulfate, Ammonium Nitrate, Urea and Micronutrients

IV – FIRE AND EXPLOSION

FLASH POINT, °F (Give Method) : Greater than 300°F
 AUTO IGNITION TEMPERATURE °F : N/A
 FLAMMABLE LIMITS IN AIR (Vol.%) : Non-Flammable Lower (LEL) : N/A
 Upper (UEL) : N/A

FIRE EXTINGUISHING MATERIALS

_____ water spray _____ carbon dioxide _____ other
 _____ foam _____ dry chemical

SPECIAL FIREFIGHTING PROCEDURE: Use abundant amount of water in early stages of fire.

UNUSUAL FIRE & EXPLOSION HAZARDS: When large quantities are involved in fire, solids may fuse or melt. Noxious Fumes may form, Nitrogen Oxides. In such conditions application of water may result in scattering of molten materials.

V – HEALTH HAZARD INFORMATION

L.D. 50 : Not established.

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE:

INHALED : Dust can irritate upper respiratory system.
 CONTACT WITH SKIN OR EYES : Prolonged skin contact may cause Dermatitis. Dust may irritate eyes.
 ABSORBED THROUGH SKIN : Not known adverse effects at this time.
 SWALLOWED : Nausea, diarrhea, diuresis, muscular debility.

FIRST AID (EMERGENCY) PRODEDURES:

EYE CONTACT : Wash thoroughly with water for at least 15 minutes. Hold eyelids apart during flushing. Send patient immediately to physician.
 SKIN CONTACT : Wash with soap and water.
 INHALED : Remove from exposure. Treat symptomatically.
 SWALLOWED : Rinse mouth. Drink 2-3 glasses of water and seek medical assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

SUSPECTED CANCER AGENT?

No This product's ingredients are not found in the list below.

Yes FEDERAL OSHA _____ NTP _____ IARC _____

(California employers using CAL-OSHA regulated carcinogens must register with CAL-OSHA. The CAL-OSHA and Federal OSHA carcinogen lists are similar).

VI - REACTIVITY DATA

STABILITY : Stable Unstable

CONDITIONS TO AVOID : Heating with Sodium Phosphite; dissolving with Sodium Hyposulfite long exposure to tin, solder, tin plate or stagnates.

INCOMPATIBILITY

Material to avoid) : Corrosive to Aluminum, Steel, Brass, Copper.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Nitrogen Oxides.

HAZARDOUS POLYMERIZATION: May occur Will not occur

CONDITIONS TO AVOID : Avoid fire.

VII - SPILL, LEAK & DISPOSAL PROCEDURES:

SPILL RESPONSE PROCEDURE (Include employee protection measures):

Sweep into breaker. Dilute with sufficient water. Add soda ash. Mix and neutralize with 6m HCL. Drain into the sewer with abundant water.

PREPARING WASTES FOR DISPOSAL (Container types, neutralization, etc.):

Remove slowly into a large container of water. Add soda ash, slightly stirring. After 24 hours, decant or siphon into another container. Neutralize with 6m HCL and drain into the sewer with abundant water.

VIII – SPECIAL HANDLING INFORMATION

- VENTILATION & ENGINEERING CONTROLS:** Good mechanical ventilation as dust level is sufficiently high.
- RESPIRATORY PROTECTION (TYPE):** Wear dust mask if excessive airborne dust is present
- EYE PROTECTION (TYPE):** Safety glasses or goggles – wear it if dust levels causes discomfort.
- GLOVES (SPECIFIC MATERIAL):** Rubber or plastic – to prevent irritation
- OTHER CLOTHING & EQUIPMENT:** Wear protective work gown if desired.
- WORK PRACTICES, HYGIENIC PRACTICES:** Keep away from open flame. Avoid contact with organics. Put into a dry place
- PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:** Wear a dust protector and eye wear.
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