GROW MORE

100% SOLUBLE FERTILIZER CONCENTRATE
DISSOLVES INSTANTLY IN COLD WATER

28-8-18

Guaranteed Analysis

Total Nitrogen (N)	28.00%
3.1% Ammoniacal Nitrogen	
5.4% Nitrate Nitrogen	
19.5% Urea Nitrogen	
Available Phosphoric Acid (P_2O_5)	8.00%
Soluble Potash (K_2O)	18.00%
Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Chelated Copper	
Iron (Fe)	0.10%
0.10% Chelated Iron	
Manganese (Mn)	0.05%
0.05% Chelated Manganese	
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.05%
0.05% Chelated Zinc	

Plant nutrients derived from Ammonium Nitrate, Ammonium Phosphates, Potassium Phosphate, Potassium Nitrate, Potassium Sulfate & Urea. Boron from Boric Acid. Copper from Copper EDTA. Iron from Iron EDTA. Manganese from Manganese EDTA. Molybdenum from Ammonium Molybdate. Zinc from Zinc EDTA.

CAUTION: KEEP OUT OF REACH OF CHILDREN

The seller hereby represents and warrants that the fertilizers 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 products shall meet the guaranteed minimum analysis as set forth on the product's identity labels. However, this warranty does not extend to the use of these products contrary to label 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 levels. This product also contains Boron and may also 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 a foliar spray, use 5 to 10 lbs. per acre. Applications may be made at 7 to 10 days intervals, depending on the amount of growth desired or when supplement feeding is necessary. Depending on the crop, the first treatment should be made when the plants are 3 to 4 weeks old or when there is sufficient foliage for spraying. These rates may be applied to field crops (cotton, soybeans, peanuts, corn, alfalfa, sorghum and forage crops) or to vegetable crops (tomatoes, peppers, cucumbers, beans, lettuce, celery, melons, squash, radishes, onions, broccoli, cabbage, spinach, cauliflower and potatoes).

FRUITS & NUT CROPS: As a foliar spray for concentrated sprays, use at the rate of 5 to 10 lbs. per acre. As a foliar spray for diluted sprays, use at the rate of 2 lbs. per 100 gallons of water. Apply early in the season of when improved vigor is desired. 3 to 4 applications may be applied per season. (CAUTION: Do not use GROW MORE in late season sprays where fruit color and maturity is delayed by nitrogen applications). These rates 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 dilute sprays and not less than 4-5 gallons per acre for concentrated sprays.)

COMMERCIAL NURSERY & GREENHOUSE: As a direct foliar spray, use 2 to 4 lbs. per 100 gallons or 4 tsps. 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 3½ lbs. per 100 gallons of water for intermittent feeding, and for constant feeding, use 8 to 12 ozs. per 100 gallons of water.

COMMERCIAL LANDSCAPE TREES : For foliar spray or root feeding, use 2 lbs. per 100 gallons of water.

COMMERCIAL TURF GRASS AREAS: When soil is wet, apply 1 lb. per 1,000 sq. ft., dissolved in 10 or more gallons of water. Color and rate of growth will determine frequency of application. Turf growing in shade requires ½ as much fertilizer as when growing in full sun.

COMMERCIAL ORCHIDS: For periodic feeding use 5 lbs. in 100 gallons of water. For constant feeding contact GROW MORE for recommendation.

COMMERCIAL TRANSPLANTING: Use 5 lbs. per 100 gallons of water (1 cup of solution mixed per plant for hand setting) an average of 250 gallons of prepared solution is required per acre.

INJECTOR-PROPORTIONER RATIOS: GROW MORE fertilizer may be used in constant feeding or intermittant feeding systems. Rates will be consistent with similar product. Contact GROW MORE for specific recommendation.

MIXING INSTRUCTIONS: Add GROW MORE to tank when half full. Agitation is advised. GROW MORE fertilizer is soluble up to 6½ lbs. per gallon of water. Water temperature plays an important role in determining fertilizer solubility. The higher the water temperature, the greater the solubility and quicker the dissolving time. As fertilizers are added to the solution, there is an immediate decrease in water temperature. It is important when preparing concentrated solutions to 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. When using previously untried mixes, we strongly recommend performing a compatibility test before full scale tank mixing.

GROW MORE

RESEARCH & MANUFACTURING FOR OVER 70 YEARS

15600 New Century Drive • Gardena, CA 90248-2140 • TEL.(310) 515-1700 • FAX (310) 515-4937

MATERIAL SAFETY DATA SHEET

M.S.D.S.

I – PRODUCT IDENTIFICATION

TRADE NAME (as labeled)	:	GROW MORE 28-8-18
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/m3	5 mg/m3	
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/1 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?

_X_ 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 : __X__ 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 ___X___ 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.

PREPARINNG 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.