



POWERGIZER® 45

8-32-5

Foliar Liquid Plant Food

Iron + Zinc

GUARANTEED ANALYSIS

Total Nitrogen (N)	8.00%
8.00% Ammoniacal Nitrogen	
Available Phosphate (P ₂ O ₅)	32.00%
Soluble Potash (K ₂ O)	5.00%
Iron (Fe)	0.10%
Molybdenum (Mo)	0.009%
Zinc (Zn)	0.05%

Derived From: Ammonium Polyphosphate, Potassium Tri-poly Phosphate, Phosphoric Acid, Sodium Molybdate, Ferrous Sulfate, and Zinc Sulfate

WARNING: This product contains molybdenum (Mo). Crops high in molybdenum can be toxic to ruminant animals. Use only according to manufacturer's directions.

KEEP OUT OF REACH OF CHILDREN



WARNING

Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist.

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL 1-866-944-8565.

F1548

FOR AGRICULTURAL OR PROFESSIONAL USE ONLY

GENERAL INFORMATION

POWERGIZER® 45 is a liquid plant food developed for use as a foliar feed, a regular plant food applied to the soil, and a starter plant food with the seed or transplant. A wetting agent or spreader should be used when applying **POWERGIZER 45** to prevent beading of droplets. Avoid making applications to crops stressed from heat, drought, salinity, etc.

DIRECTIONS FOR USE SHAKE WELL BEFORE USING

The application timing recommendations on this label are intended to be used as a guide and do not restrict the use of this product at times other than specified. The timing recommendations are provided to obtain the maximum benefits and efficacy and do not imply that phytotoxicity or other adverse effects will occur.

GENERAL APPLICATION RATES: May be applied by ground or air.

ALFALFA (HAY): 3.0 to 4.0 quarts per acre one week after each cutting.

ALFALFA (SEED): 3.0 to 4.0 quarts per acre at bud stage prior to bloom. 2 to 3 additional applications at the rate of 2.0 to 3.0 quarts per acre should be applied at 2 to 3 week intervals post bloom.

ALMONDS, APRICOTS, CHERRIES, PLUMS, PEACHES, NECTARINES, HOPS, FILBERTS, HAZELNUTS: Apply at the rate of 1.0 gallon per acre in sufficient water to obtain thorough coverage anytime after bud swell to popcorn stage, prior to bloom. Repeat the application within two weeks after petal fall. Older trees may require another application of 3.0 to 4.0 quarts per acre 4 to 6 weeks later.

APPLES, PEARS: 2.0 to 4.0 quarts per acre in sufficient water just prior to bloom. Repeat at petal fall. Another application should be applied 4 to 6 weeks later at the rate of 3.0 to 4.0 quarts per acre.

CAUTION: DO NOT APPLY TO MELROSE APPLES.

ARTICHOKES: 2.0 to 3.0 quarts per acre at bud stage. 2.0 quarts per acre at 2 week intervals.

AVOCADOS: 3.0 to 4.0 quarts per acre in sufficient water just prior to bloom. Two similar applications should be applied at 4-week intervals.

BARLEY, WHEAT, OTHER SMALL GRAINS: 2.0 to 3.0 quarts per acre prior to or shortly after tillering. Another application of 2.0 to 3.0 quarts just prior to heading out to help fill out kernels.

BEANS, PEAS: 2.0 to 3.0 quarts per acre at bud stage, prior to bloom. Two additional applications at 2 week intervals, for set and quality.

BUSHBERRIES, BOYSENBERRIES, BLACKBERRIES, RASPBERRIES: 2.0 to 3.0 quarts per acre just prior to bloom. 2.0 to 3.0 quarts per acre every 2 weeks thereafter.

CABBAGE, CAULIFLOWER, BROCCOLI, ALL COLE CROPS (Direct Seed): 2.0 to 3.0 quarts per acre two to three week intervals.

CABBAGE, CAULIFLOWER, BROCCOLI, ALL COLE CROPS (Transplant): 1.0 to 2.0 quarts per acre one to two weeks after transplanting, 2.0 to 3.0 quarts per acre at bud stage. 2.0 to 3.0 quarts per acre at two to three week intervals.

CITRUS: 4.0 to 6.0 quarts per acre in sufficient water for thorough coverage at bud stage prior to bloom. Repeat applications at 4.0 to 6.0 quarts per acre as new growth appears.

Do not apply in combination with oils.

CORN (Field and Sweet): 2.0 to 3.0 quarts per acre when corn is 2 to 4 feet tall. Repeat prior to tasseling.

COTTON: 1.0 to 2.0 quarts per acre after true leaves appear. 2-3 quarts per acre as first squares appear.

2 additional applications at two week intervals.

GRAPES: 1.0 to 2.0 quarts per acre when canes reach 8 to 12 inches in length. 2.0 to 3.0 quarts per acre 1 to 2 weeks prior to bloom to help fruit set. 3.0 quarts per acre between shatter and buckshot stage for sizing. 3.0 quarts per acre 4 to 6 weeks prior to harvest to aid in sugar content and color. (Omit second application for those varieties that set excessively or have tight clusters.)

IRISH POTATOES, SWEET POTATOES, YAMS: 3.0 quarts per acre when plants are 4 to 6 inches high.

2.0 additional applications at 3 to 4 week intervals.

LETTUCE, SPINACH, CELERY, ONIONS, GARLIC: 2.0 to 3.0 quarts per acre after thinning Lettuce and Spinach. 1 week after transplanting Celery. When Onions and garlic are well established, repeat at 2 to 3 week intervals, 3 to 4 applications.

MELONS, CUCUMBERS, SQUASH, CANTALOUPE: 2.0 to 3.0 quarts per acre at bud stage prior to bloom. 2 to 3 additional applications at 2 week intervals.

OTHER VEGETABLES, ROOT CROPS & MISC.: 2 to 3 quarts per acre at 2-week intervals after thinning or when plants are well established. Apply 3 to 4 applications.

PISTACHIO, PECANS, WALNUTS: 3.0 to 4.0 quarts per acre in sufficient water for thorough coverage before bloom stage. Repeat applications at 3 to 4 quarts per acre every 6 weeks. The last application being applied 30 days before harvest.

RICE: 2.0 to 3.0 quarts per acre prior to or shortly after tillering. Repeat 1 to 2 weeks prior to bloom. Repeat 2 weeks after bloom. **CAUTION:** Do not apply at time of bloom.

SAFFLOWER: 2.0 to 3.0 quarts per acre at bud stage prior to bloom. Repeat 2 to 3 weeks later.

SORGHUM: 2.0 to 3.0 quarts per acre prior to heading out. Repeat in 2 to 3 weeks.

SOYBEANS: 2.0 to 3.0 quarts per acre at bud stage prior to bloom. Repeat in 2 weeks. Apply an additional

application of 2.0 to 3.0 quarts per acre as pods begin to fill.

SUGAR BEETS: 2.0 to 3.0 quarts per acre at thinning. Repeat 4 weeks later. An application of 2.0 to 3.0 quarts per acre 6 weeks before harvest may aid in increasing sugar content.

STRAWBERRIES: 2.0 to 3.0 quarts per acre prior to bloom. Repeat at 2-week intervals throughout season.

TOMATOES & PEPPERS (Fresh): 2.0 to 3.0 quarts per acre at bud stage prior to bloom. 2.0 to 3.0 quarts per acre 10 to 14 days throughout growing season. May be used in transplant water at the rate of 3.0 to 5.0 gallons per acre.

TOMATOES & PEPPERS (Processed): 1.0 to 2.0 quarts per acre after stand is established. 2.0 to 3.0 quarts per acre at bud stage prior to bloom. 2 additional applications at 2 week intervals.

STORAGE and DISPOSAL

STORAGE: Shake well before using. Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area, preferably in a locked storage area away from children, feed and food products, and seed. Store at ambient temperatures. Do not contaminate water, food, or feed by storage or disposal. **DISPOSAL:** Do not reuse container. Plastic: Triple rinse (or equivalent), adding rinse water to spray tank, then offer for recycling at an ACRC site (go to <http://www.acrcycle.org>) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food, or feed by storage or disposal.

HANDLING: Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.

For help with any spill, leak, fire or exposure involving this material, call day or night

CHEMTREC 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary. LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when the product is used in accordance with such Directions for Use under normal conditions of use. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

Tests have not been carried out under all possible use conditions and Seller cannot and does not represent or warrant that the goods are compatible with all other chemicals or under all use conditions.

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

Powergizer is a registered trademark of Cheetah Chemical, Inc.



WARNING

This product can expose you to chemicals including cadmium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

GUARANTEED BY: LOVELAND PRODUCTS, INC.® • PO BOX 1286 • GREELEY CO 80632-1286



Bulk Density: 11.96 lbs/gallon @ 68°F
Net Contents: 5 gallons (18.92 liters)
Net Weight: 59.80 lbs (27.12 kg)

product code: 1000165950



Bulk Density: 11.96 lbs/gallon @ 68°F
Net Contents: 275 gallons (1,040 liters)
Net Weight: 3,289 lbs (1492 kg)

product code: 1000165949



Bulk Density: 11.96 lbs/gallon @ 68°F
Net Contents: gallons (liters)
Net Weight: lbs (kg)

product code: 1000165951