



GUARANTEED ANALYSIS
 Total Nitrogen (N)2.0%
 2.0% Ammoniacal Nitrogen
 Available Phosphate (P₂O₅)20.0%
 Soluble Potash (K₂O) 15.0%
Derived From: Anhydrous Ammonia, Phosphoric Acid, Potassium Hydroxide, and Potassium Chloride

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS
Soil Amending Ingredients
 03.00%Organic Matter (derived from Leonardite)
 01.00%Gluconic Acid (Microbe Food)
 Total Other Ingredients (inert as a non-plant food ingredient)
 96.00%Aqueous Solution

PURPOSE STATEMENT:
 ATIVUS™ PK was designed to increase nutrient mobility in the soil and availability to plants.

FOR AGRICULTURAL AND PROFESSIONAL USE ONLY

KEEP OUT OF REACH OF CHILDREN



WARNING

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

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 on skin:** 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 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 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.
 Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands on the driveway, sidewalk or street back onto your lawn.

For turf applications in Maryland, this product is to be used as a Starter fertilizer only.

In Virginia, this lawn fertilizer, which contains phosphorus, is intended only for nonagricultural use on (i) turf during its first growing season, (ii) turf areas being repaired or renovated, and (iii) turf where a soil test performed within the last 3 years indicates a phosphorus deficiency. This fertilizer is not intended for the routine maintenance of turf.

DIRECTIONS FOR USE
 Uses include but are not limited to the research verified crop specific directions in the table below.

CROP	APPLICATION RATE PER ACRE	APPLICATION DIRECTIONS AND TIMING
(01) Root and Tuber Vegetables including Carrot, Ginseng, Horseradish, Parsley (turnip-rooted), Potato, Radish, Sugar Beet, Sweet Potato, Turnip	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(03) Bulb Vegetables including Garlic, Leek, Onion	Soil: 1-20 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(04) Leafy Vegetables including Celery, Head and Leaf Lettuce and Spinach	Soil: 1-20 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(05) Brassica Vegetables including Broccoli, Cabbage, Cauliflower, Kale, and Mustard greens	Soil: 1-20 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(06) Legume Vegetables (Succulent or Dried) including Bean (all types), Peas and Soybeans	Soil: 1-20 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(08) Fruiting Vegetables including Eggplant, Pepper and Tomato	Soil: 1-20 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(09) Cucurbit Vegetables including Cantaloupe, Cucumber, Honeydew, Muskmelon, Squash (summer and winter) and Watermelon	Soil: 1-20 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(10) Citrus Fruit including Grapefruit, Lemon, Lime, Sweet Orange and Tangerine	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(11) Pome Fruits including Apple and Pear	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(12) Stone Fruits including Apricot, Cherry, Peach and Plumcot	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(13) Berry and Small Fruit including Blackberry, Blueberry, Caneberry, Kiwi, Raspberry and Grape	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(14) Tree Nuts including Almonds, Cashews and Pecans	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Inject 3 to 5 inches deep at the drip line, or surface band and water into the soil. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(15) Grain, Cereal	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: surface or subsurface band. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(16) Forage, Fodder and Straw of Cereal Grains	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: surface or subsurface band. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.

CROP	APPLICATION RATE PER ACRE	APPLICATION DIRECTIONS AND TIMING
(17) Grass Forage, Fodder and Hay	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: surface or subsurface band. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(18) Nongrass Animal Feeds including Alfalfa, Clover, Hay and Vetch	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: surface or subsurface band. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(19) Herbs and Spices including Basil, Dill, Mustard and Sage	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: surface or subsurface band. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(20) Oil Seed Crops including Canola, Flax and Sunflower	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: surface or subsurface band. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(22) Stalk, Stem and leaf petiole vegetables, Asparagus, bamboo shoots and celery	Soil: 1-30 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
(99) Cotton, Peanut, Sugarcane, Tobacco	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: surface or subsurface band. Foliar: Use enough water for thorough coverage. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
Ornamental and Landscape	Soil: 2-30 gal/ac Foliar: 1-8 qt/ac	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.
Turf	Soil: 15-88 oz/1000 sq ft Foliar: 1-8 qt/1000 sq ft	Soil: Inject after irrigation water filter. Foliar: minimum 5 gal of water per acre as a directed foliar spray. Repeat applications as needed through growing stage. The maximum recommended concentration of Ativus PK to water is 1:5.

Soil Applications:
 Ativus™ PK may be applied pre-plant, as a starter, side dress, fertigated, top dressed, or banded to the soil. To apply alone, dilute with water to ensure uniform distribution.

Fertigation:
 Can be applied through Center Pivot, Drip and Micro Sprinkler Irrigation systems. Continue irrigation for a minimum of 2 hours after application to flush the lines and to maximize nutrient distribution with drip and micro sprinkler use. Inject after the irrigation water filter.

Transplant Water – All Crops:
 1 to 8 gallons per acre not to exceed a 3% solution of Ativus PK to water. Apply in a minimum of 100 gallons solution. Mixing with water for field storage is generally not recommended. Products blended with water should be used immediately and not stored for prolonged periods.

Aerial Application:
 In aerial application use adequate water to obtain thorough coverage.

Caution:
 Always check compatibility with other products prior to use. Do NOT mix with conventional calcium fertilizers. Do NOT mix with conventional products containing salts of heavy metals. Combining with liquid fertilizer solutions is more effective if done at a blending plant with vigorous agitation in blending process.

Caution:
 Foliar applications close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition.

STORAGE AND DISPOSAL
STORAGE: 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. Completely empty container into application equipment. Thoroughly rinse container, adding rinse water to the spray tank.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300.

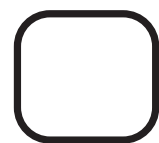
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 BEFORE BUYING OR USING THIS PRODUCT, read the Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation 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.

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

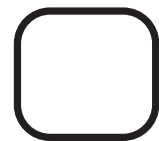
Tests have not been carried out under all possible use conditions and Seller cannot and does not represent or warrant that the goods are compatible with all other chemicals or under all use conditions.

Ativus™ PK is a registered trademark of Loveland Products, Inc.

F1548



Density: 11.8 lbs/gallon @ 68 °F
Net Contents: 265 gallons (1,003.13 liters)
Net Weight: 3,127 lbs (1,418.38 kg)
 Product Code: 1000947983



Density: 11.8 lbs/gallon @ 68 °F
Net Contents: gallons (liters)
Net Weight: lbs (kg)
 Product Code: 1000948178