

# GRAVITY® L ACTAPHOS®

## 0-0-25

### Foliar Fertilizer

#### GUARANTEED ANALYSIS

Soluble Potash (K<sub>2</sub>O) ..... 25%

Derived from potassium phosphite

#### KEEP OUT OF REACH OF CHILDREN

#### WARNING

Causes eye irritation.

#### PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling.

#### FIRST AID

**IF IN EYES:** Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

In case of medical emergency, call toll free 1-877-424-7452

**FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300**

#### STORAGE and DISPOSAL

Do not store below 32°F. Do not allow product to freeze. Store out of direct sunlight. Keep in a cool location out of reach of children and livestock. Dispose of empty containers by triple rinsing and discard empty containers in a landfill in accordance with current local, state, and federal regulations.

#### GENERAL INFORMATION

Gravity® L Actaphos is a phosphite nutrient treatment for potassium deficiencies across a range of turf, ornamental, alternative, and row crops including herbs and vegetables. Including Gravity® L Actaphos as part of a balanced fertilizer program supports plant growth including roots, flowers, and faster transplant establishment. This product may improve color development when applied as a properly timed foliar or soil application. Research suggests that phosphites, like Gravity® L Actaphos, may improve turf and ornamental's resistance to certain environmental stressors. This product contains no available phosphorous. Results vary depending on plant type and growing conditions.

This product is intended as a supplement to a well-balanced fertilizer treatment program. It is not intended to be a substitute for sound soil fertilization and conventional cultural practices. Gravity® L Actaphos may be applied by air, through all types of ground equipment, and irrigation water. Thorough coverage of foliage is necessary for best results. Avoid foliar applications under climate extremes, including rain, frost, or when drying times are significantly faster or slower than plants are accustomed. As a soil application to annual crops, a lesser response from the initial crop, with a corresponding superior response from succeeding crops, may be observed. In soil applications, placement near seeds or root zones may cause undesirable damage. The effect may worsen in soil pH's less than 6.5.

Gravity® L Actaphos is generally compatible with pesticides and fertilizer solutions. It is compatible with most adjuvants. It is always advisable to test for compatibility on a small scale before large scale tank mixing product. Consult your local WinField United Professional representative for additional information on rates, timing of application and sensitivity of varieties or hybrids to phytotoxicity.

F1683

Distributed and Guaranteed By:  
Winfield Solutions, LLC  
P.O. Box 64589  
St Paul, MN 55164-0589

Weight per gallon 12.2 lbs (5.53 kg)  
Net Contents: 2.5 gallons (9.46 L)  
Net Weight: 30 lbs 8 oz. (13.83 kg)  
2/0812/2

## DIRECTIONS FOR USE

### TURF:

**For Turfgrass Application:** 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/garden, and sweep any product that lands on the driveway, sidewalk, or street, back onto your lawn/garden.

**Cool and warm season turf:** including bent grass, blue grass, rye grass, zoysia grass, Bermuda grass, fescue grass, St. Augustine grass, centipede grass, and poa annua. Make applications in 75-200 gallons of total spray volume per acre or 2 gallons per 1,000 sq. ft.

**Commercial and private lawn care and sod farms:** 3-5 oz per 1,000 sq. ft. every 14-21 days.

**Golf:** Greens, tees, approaches, and sports turf use 2-4 oz per 1,000 sq. ft every 7-14 days. Landing areas and fairways use 3-5 oz per 1,000 sq. ft. every 14-21 days.

**New sod, overseeding, and sprigging:** 2-4 oz per 1,000 sq. ft. every 14-21 days. Make applications after laying sod, germination, or sprigging occurs.

**Summer stress:** Gravity® L Actaphos is a supplemental foliar potassium source. It helps when plants cannot take up soil potassium. Containing no nitrogen or available phosphorous, Gravity® L Actaphos may support turf health during seasonal fertilizer black outs. Consult your local WinField United Professional representative for details.

### TREES & ORNAMENTALS:

Deciduous and evergreen species: general foliar application rate is 32-64 fl. oz. in no less than 100 gallons of water per acre. Applications may begin at bud break and continue until senescence. Repeat at 10–14-day intervals. Do not make applications during dormancy.

**For soil drench applications** use 64-128 fl. oz. per surface acre treated.

**Foliage plants, shrubs, trees:** Propagule or transplanting: Before planting, briefly soak cutting in a 0.5% v/v solution or 8 fl. oz. per 12 gallons of water.

**Bedding plants including perennials and annuals:** Begin applications at the fourth true leaf formation.

**Cut flowers:** 48 hours prior to harvest apply a 0.5% v/v foliar solution. Prior to shipping, briefly soak cuttings in a 0.5% v/v solution.

**Basal bark spray:** Prepare a 1:1 spray solution of Gravity® L Actaphos and water. Add 0.64-1.28 fl. oz. of AirCover® per gallon of spray solution. Spray the full circumference of tree trunk until thoroughly saturated and product begins to run-off. Make application from ground to about 5 feet high including first scaffolding limbs if available. For best results apply in Spring or Fall.

### ALTERNATIVE CROPS & OTHERS NOT SPECIFICALLY MENTIONED:

Research shows foliar applications of phosphite may increase floral intensity, yield, and anthocyanin concentrations. Before widespread use, perform a small-scale trial. If trial shows acceptable performance, then incorporate Gravity® L Actaphos as part of a sound fertility program.

**Hydroponics:** 0.125 fl. oz. per 5 gallons of water (1 tsp./5 gallons)

**Foliar:** 0.25 fl. oz. per 1 gallon of water (2 tsp/1 gallon)

**Soil:** 0.25 fl. oz. per 5 gallons of water (2 tsp/5 gallons)

**Flowering and heavy fruiting in coco, hydroponic, or other soilless media:** Use 0.2 tsp per gallon of water with every feeding. In soil media, use 0.4 tsp per gallon of water one to two times per week. For foliar applications during flowering, use 1.6 tsp per gallon of water weekly.

**Alfalfa:** Apply 32-64 oz. per acre 1-2 weeks after each cutting.

**Almonds, Walnuts, Pistachios and other Nut Crops:** Apply 32-64 oz. per acre pre-bloom with subsequent applications at 30 to 90 day intervals or as needed.

**Apples, Pears, and Other Pome Fruits:** Apply 32-64 oz. per acre pre-bloom with subsequent applications at 30 to 90 day intervals or as needed.

**Apricots, Peaches and Other Stone Fruits:** Apply 32-64 oz. per acre pre-bloom with subsequent applications at 30 to 90 day intervals or as needed.

**Avocado:** Apply 32-64 oz. per acre pre-bloom with subsequent applications at 30 to 90 day intervals or as needed.

**Brassica (cole) except leafy vegetables** (including but not limited to: Broccoli, Brussels sprouts, Cabbage, Cauliflower): Apply 32-64 oz. per acre when plants are well established. Repeat the application 1 to 2 times with an interval of 10 to 15 days or as needed.

**Bulb vegetables** (including but not limited to: onion, garlic and leeks): Apply 32-64 oz. per acre when plants are well established. Repeat the application 1 to 2 times with an interval of 10 to 15 days or as needed.

**Citrus, Grapes, Hops, Kiwi, Olives:** Apply 32-64 oz. per acre pre-bloom with subsequent applications at 30 to 90 day intervals or as needed.

**Cotton:** Apply 32-64 oz. per acre starting at pin head square

**Cucurbit Vegetables** (including but not limited to: cucumber, muskmelon and summer squash): Apply 32-64 oz. per acre when plants are well established. Repeat the application 1 to 2 times with an interval of 15 to 20 days or as needed.

**Fruiting Vegetables (except cucurbits)** (including but not limited to eggplant, peppers and tomato): Apply 32-64 oz. per acre when plants are well established. Repeat the application 1-2 times with an interval of 15 to 20 days or as needed.

**Leafy Vegetables (except brassica vegetables)** (including but not limited to: celery, lettuce, and spinach): Apply 32-64 oz. per acre when plants are well established. Repeat the application 1 to 2 times with an interval of 10 to 15 days or as needed.

**Legume (succulent or dried)** (including but not limited to: bean, pea, peanuts, and soybeans): Apply 32-64 oz. per acre at bud stage prior to bloom. Repeat the applications 1 to 2 times with an interval of 10 to 15 days or as needed.

**Pineapples:** Dip or Drench Applications: For pre-plant dip or soil drench after planting, dilute 64 oz. per 100 gallons (500 ml/100 L) of solution. Apply at planting.

Foliar Spray: Dilute 64 to 96 oz. per 100 gallons (500-750 ml/100 L) of spray solution. Spray until wet. Apply at 3 month intervals or as needed. The rate of product per acre is approximately 2 quarts.

Foliar Spray, applied to tops: 14 days prior to harvest of planting material, dilute 64 oz. per 50 gallons (500 ml/50 L) of spray solution. This will cover enough slips to plant one acre.

**Root and tuber vegetables** (including but not limited to: carrot and sugar beets): Apply 32-64 oz. per acre when plants are 4-6 inches in height. Repeat the application 1 to 3 times with an interval of 10 to 15 days or as needed.

**Potatoes:** Apply 2 to 3 qt per acre from tuber initiation to within 14 days after the start of tuber initiation.

**Raspberries and Blackberries:** Apply 32-64 oz. per acre pre-bloom with subsequent applications at 30 to 90 day intervals or as needed.

**Strawberries:** Apply 32-64 oz. per acre when plants are well established. Repeat the application 1-2 times with an interval of 10 to 15 days or as needed.

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

#### **WARRANTY DISCLAIMER**

Winfield Solutions, LLC warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR IS ANY REPRESENTATIVE OF SELLER AUTHORIZED TO MAKE ANY SUCH WARRANTY OR MODIFY THESE TERMS. This warranty does not extend to the storage, handling or use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such storage, handling or use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

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