

# GRAVITY<sup>®</sup> S 17-5-17

## Turf & Ornamental Cal-Mag Formula

### Guaranteed Analysis

Total Nitrogen (N).....	17.0%
3.20% Ammoniacal Nitrogen	
12.10% Nitrate Nitrogen	
1.70% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	5.0%
Soluble Potash (K <sub>2</sub> O).....	17.0%
Calcium (Ca).....	3.0%
Magnesium (Mg).....	1.0%
Boron (B).....	0.02%
Copper (Cu).....	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe).....	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn).....	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo).....	0.01%
Zinc (Zn).....	0.05%
0.05% Chelated Zinc (Zn)	

**Derived from:** Potassium nitrate, Ammonium nitrate, Calcium nitrate, Magnesium nitrate, Urea phosphate, Iron EDTA, Manganese EDTA, Zinc EDTA, Copper EDTA, Boric acid, Sodium molybdate.

### KEEP OUT OF REACH OF CHILDREN



#### WARNING

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.  
May cause respiratory irritation. Suspected of damaging fertility or the unborn child.

#### PRECAUTIONARY STATEMENTS

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection.

#### 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.

**IF SWALLOWED:** Call a poison control center or doctor for treatment advice if you feel unwell. Rinse mouth.

**IF ON SKIN:** Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor for treatment advice if you feel unwell.

**IF EXPOSED OR CONCERNED:** Get medical attention.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Store in a locked area away from children, feed and food products. Ensure that the area is clean and dry. Reseal opened bags by folding down and securing the bag. To minimize application problems, do not store unused product in sprayers for long periods of time.

**Disposal:** Dispose of contents/container in accordance with Federal, state and local regulations.

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

F1683

#### Distributed and Guaranteed by:

Winfield Solutions, LLC  
P.O. Box 64589  
St. Paul, MN 55164-0589

**NET WEIGHT:** 25 lbs

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## GENERAL INFORMATION

**Gravity S 17-5-17** is a 100% soluble fertilizer designed to provide complete nutrition for healthy growing plants, such as turf and ornamentals. **Gravity S 17-5-17** is specifically formulated to provide an optimum calcium to magnesium ratio along with the other nutrients needed for proper plant growth. This product is considered an all-in-one product for optimum plant growth.

A number of variables influence the rate of application necessary to prevent or correct a specific deficiency. For best results, follow good agronomic practices and conduct soil and tissue tests. Additional fertility may need to be supplied from other sources. For specific recommendations for your plants, consult your state's recommendations or your local plant expert.

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

## DIRECTIONS FOR USE READ ENTIRE LABEL BEFORE USING

**Gravity S 17-5-17** can be tank mixed. If you are unfamiliar with the product, a jar test should be used to confirm compatibility and a small area should be treated with the product prior to large scale application. **Gravity S 17-5-17** should not be mixed with strong acids as product degradation will occur and the fertilizer will precipitate. Apply only as directed during the growing season.

### CAUTION:

- Over-application or excessive use of boron, or use on plants other than those listed as having a boron response, can result in boron toxicity and may cause serious crop injury.
- Molybdenum can be toxic to plants. Make sure your soil indicates the need for additional molybdenum prior to seed treatment or fertilizer use. The application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals.
- **For Turfgrass Applications:** 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.
- **In Virginia**, this lawn fertilizer, which contains phosphorous, 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 phosphorous deficiency. This fertilizer is not intended for the routine maintenance of turf.
- **In Maryland**, this product is providing nutrients as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under 8-803.7 of this article and performed no more than 3 years before the application.

### GOLF COURSES

**Gravity S 17-5-17** should be applied at 0.25 to 4 lbs per 1,000 sq. ft. every 7 to 21 days as needed during the growing season. Spray volumes can range from 1 to 4 gallons per 1,000 sq. ft. for adequate coverage. **Gravity S 17-5-17** may be used on greens, tees, fairways, roughs, and other turf areas composed of turfgrasses including, but not limited to: Bluegrass, Perennial Ryegrass, Tall Fescue, Annual Bluegrass, Bentgrass, Bahiagrass, St. Augustinegrass, Zoysiagrass, Centipedegrass, Seashore Paspalum, and Bermudagrass. For best results do not irrigate or mow until sprayed area has completely dried.

### LAWNS AND OTHER TURF AREAS

**Gravity S 17-5-17** should be applied at 0.25 to 4 lbs per 1,000 sq. ft. every 7 to 21 days as needed during the growing season. Spray volumes can range from 0.5 to 4 gallons per 1,000 sq. ft. for adequate coverage. **Gravity S 17-5-17** may be used on all turfgrasses including but not limited to: Bluegrass, Perennial Ryegrass, Tall Fescue, Annual Bluegrass, Fine Fescue, Bentgrass, Bahiagrass, St. Augustinegrass, Zoysiagrass, Centipedegrass, Seashore Paspalum, and Bermudagrass. For best results do not irrigate or mow until sprayed area has completely dried.

## TREES AND ORNAMENTALS

**Gravity S 17-5-17** should be applied at 0.25 to 4 lbs per 1,000 square feet of landscaped area every 7 to 21 days as needed during the growing season. For container grown products, trees or other ornamentals apply a foliar spray or soil drench at a rate of 5 to 15 lbs. per 100 gals of water. Prior testing is required before applying to open flowers.

Gravity S 17-5-17 lbs/1000 sq. ft.	Total N Rate lbs/1000 sq. ft.	Total Ammoniacal N Rate lbs/1000 sq. ft.	Total Nitrate N Rate lbs/1000 sq. ft.	Urea N Rate lbs/1000 sq. ft.	Stabilized Urea N Rate lbs/1000 sq. ft.	P <sub>2</sub> O <sub>5</sub> Rate lbs/1000 sq. ft.	K <sub>2</sub> O Rate lbs/1000 sq. ft.
0.25	0.043	0.008	0.030	0.004	-	0.013	0.043
0.5	0.085	0.016	0.061	0.008	-	0.025	0.085
1	0.170	0.032	0.121	0.017	-	0.050	0.170
2	0.340	0.064	0.242	0.034	-	0.100	0.340
3	0.510	0.096	0.363	0.051	-	0.150	0.510
4	0.680	0.128	0.484	0.068	-	0.200	0.680

Ounces of Product needed to mix one gallon of concentrate

Injector Ratio	Fertilizer Dilution				
	100 (N/PPM)	150 (N/PPM)	200 (N/PPM)	300 (N/PPM)	500 (N/PPM)
1:100	7.8	11.8	15.7	23.5	39.2
1:200	15.7	23.5	31.4	-	-
1:300	23.5	35.3	-	-	-

Maximum solubility is 3 lbs per gal of water.

## BACKPACK SPRAYER

Mix 1 to 3 teaspoons of product per gallon of water.

### Spray coverage and drift control:

To optimize spray coverage or deposition, and to reduce drift, include Droplex® adjuvant.

### MIXING INSTRUCTIONS

Agitation will aid in getting the product to go into solution. If carrier water is cold, user may need to pre-mix the soluble fertilizer with warmer water in a separate container prior to adding it into the sprayer.

### 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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