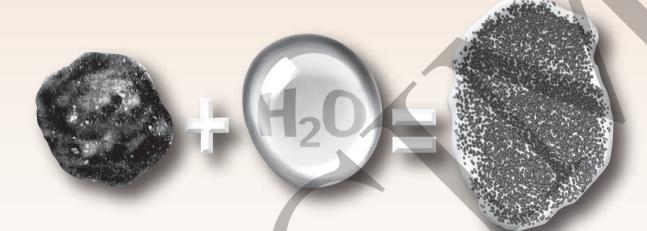


Professional Turf™ Products

0.48% Barricade®

Pre-Emergent Weed Control for Lawns & Landscape Ornamentals



Dispersing Granule Technology

For preemergence control of grass and broadleaf weeds in established turfgrasses (excluding golf course putting greens), lawns and sod nurseries; landscape ornamentals; established perennial and wildflower plantings; non-crop areas on or surrounding managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways and equipment yards); facilities including substations, tankfarms, pumping stations, parking and storage areas, and ungrazed fencerows.

ACTIVE INGREDIENT: OTHER INGREDIENTS: ... *(CAS No. 29091-21-2) EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A

KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause

Personal Protective Equipment (PPE) **WPS USES:**

Applicators and other handlers: Long sleeved shirt and long pants

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash all PPE

Mixers and loaders who handles this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) – in general, only agricultural-plant uses are

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash all PPE

When handlers use closed systems or enclosed cabs in a manner that meets the rements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified

User Safety Recommendations: Users should

 Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and After handling this product, immediately wash the outside of gloves before removing them, then remove gloves and all other PPE. Immediately wash thoroughly and change into clean clothing.

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

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

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

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

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of

If material is spilled, contain and sweep up material of spill for disposal or reuse per label instructions. Wash cleanup equipment to prevent contamination elsewhere. Excess quantities above normal application rates could result in damage to plants subject to spill. Water-in remainder, disc under or cover with layer of soil, or leave exposed to sunlight, as deemed appropriate to the situation.

It is a violation of Federal Law to use this product in a manner inconsistent with its

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Workers Protection Standard 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated,

such as plants, soil, or water is: Coveralls Waterproof gloves

Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to use of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dusts have settled.

APTDG48BR5 Product Code:



Visit our website: AndersonsTurf.com

Net Wt. 50 Lbs. (22.68 kg)



0.48% Barricade®

Product Code: APTDG48BR5.1



Professional Turf™ Products

0.48% Barricade® on DGPRO®





GENERAL INFORMATION

This product is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in established turf grasses (excluding golf course putting greens), lawns, sod nurseries, landscape ornamentals, established perennial & wildflower plantings, non-crop areas on or surrounding managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways & equipment yards), facilities including substations, tankfarms, pumping stations, parking & storage areas, ungrazed fencerows.

This product controls susceptible weeds by inhibiting weed seeds germination and root development. Most effective weed control will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inches) incorporation, prior to weed seed germination and within 14 days following application.

Do not graze or feed livestock forage cut from areas treated with this product. Do not apply this product through any type of irrigation system unless otherwise instructed by this label. Do not apply aerially. Do not apply to golf course putting greens.

APPLICATION DIRECTIONS

Apply uniformly through suitable, calibrated application equipment.

This product is a preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turf grasses and lawns. The maximum amount of this product that may be applied per year is given for each turf grass species in the Maximum Annual Rates section of this label.

Most effective weed control in turf grasses will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crabgrass seed

CRABGRASS GERMINATION DATES



1 - After May 30 2 - After May 10 3 - After April 20 5 - Jan. 1 to March 20

Rates of Application

This product may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made prior to germination of the target weeds. This product will not control established weeds.

Maximum use rate selection should be based on turf species. The length of time of residual weed control provided by this product is related to the rate applied.

Maximum Annual Rates

This product is recommended for use on the turf grass species listed in the following table. Do not exceed the maximum yearly rate as given in the following table:

Maximum Application Rate of this product per Calendar Year by Turf Grass Species ¹					
Turf Species	Lbs. ai/A	Lbs. Product /A	Lbs. product/ 1,000 sq. ft.		
Bermudagrass ² , Bahiagrass, Centipedegrass, Seashore Paspalum, St. Augustinegrass, Tall Fescue (including turf-type), Zoysia	1.5	312	7.1		
Buffalograss, Kentucky Bluegrass, Perennial Ryegrass	1.0	208	4.7		
Creeping Red Fescue	0.75	156	3.5		
Creeping Bentgrass	0.65	135	3.1		

¹These are the maximum rates per calendar year by species limitations. ²May be used on newly sprigged or plugged Bermudagrass at rates not to exceed 108 lb./acre or 2.4 lb./1,000 sq. ft. Newly sprigged or plugged Bermudagrass stolon rooting may be temporarily retarded. Suppression only of Foxtail, Goosegrass and Rescuegrass due to reduced product rates used in sprigging situations.

Use higher rates of this product to achieve higher levels weed control for each turf type, but do not exceed the maximum application rates specified in the Maximum Annual Rates table.

Weeds Controlled

When used at the recommended rates this product will control:

Barnyardgrass Bluegrass, Annual (Poa annua) Carpetweed Chickweed, Common Chickweed, Mouseear (from seed)	Goosegrass ¹ Henbit Itchgrass Johnsongrass (from seed) Junglerice Knotweed Kochia Lambsquarter,	Pigweed Purslane, Common Pusley, Florida Rescuegrass³ Shepherd's Purse² Signalgrass, Broadleaf Speedwell, Persian Sprangletop
Crabgrass	Common	Spurge, Prostrate
(Large, Smooth) Crowfootgrass Cupgrass, Woolly Foxtails, Annual	Lovegrass Oxalis Panicum (Texas, Fall,	Witchgrass Woodsorrel, Yellow (from seed)
	Brownton)	

¹In many areas a single application of 3.1 to 7.1 lbs./1,000 sq.ft. (135-312 lbs./A) of this product will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, most effective weed control may be obtained by making an initial application of 3.1 to 4.7 lbs./1,000 sq. ft. (135-208 lbs./A) followed after 60 to 90 days by an application at doses that would not exceed those given in the Maximum Application Rates Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Application Rates Table above.

²Applications for this weed should be made in late summer, fall, or winter prior to

³Suppression only.

Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of the weed seeds.

When to Apply After Overseeding Turf Do not apply to overseeded turf within 60 days after seeding or until after the second

mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil.

When to Overseed After Application - All States*

This product will inhibit the germination of turf species if overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

The Andersons Professional Turf Products 0,48% Barricade on DG Pro			Interval Before Overseeding		
Lbs/1,000 sq. ft.	Lbs./A	ai/A	North	Transition	South
2.3	104	0.50	4 mo	4 mo	4 mo
3.1	135	0.66	5 mo.	4 mo	4 mo
3.5	156	0.74	6 mo	5 mo	5 mo
3.8	166	0.80		6 mo	6 mo
4.7	208	1.00		7 mo	7 mo
5.4	237	1.14			9 mo
6.1	270	1.30			10 mo
7.1	312	1.50			12 mo

*Note: In AZ, CA, NV and TX, the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section "Poa annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV and TX only)".

Poa annua Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV and TX only)

Use on golf courses (excluding golf course putting greens) and lawns when overseeding with perennial ryegrass (minimum seed rate of 350 lbs./A).

How Much and When to Apply

Amount to Apply Lbs./Acre Lbs/1,000

When to Apply 6 to 8 weeks before ryegrass overseeding

Expected Control One application for 70% or

Second application 4-8 weeks after over-seeding date or when perennial ryegrass roots are in the second inch

greater control of Poa annua Second application should enhance the residual under

normal weather conditions

- 1. Some seed mortality and temporary reduction in root growth of new seedlings may
- 2. To reduce the potential for seeding mortality, maintain a moist seedbed with light,
- 3. Make no more than 2 applications per year for this use, and do not exceed 4 lbs./1,000 sq. ft. (176 lbs./A) for these two applications for Poa annua control in
- 4. Do not make a second application if any injury to the ryegrass is observed after the
- 5. Do not make a second application unless the product was first applied before

Use Precautions

The following precautions apply to the use of this product in turf grasses and lawns:

Application of this product may thin emerged annual bluegrass and newly over seeded grasses. Do not apply to over seeded turf within 60 days after seeding or until after the second mowing, whichever is longer. Injury to desirable seedlings is likely if this product is applied before seedling secondary roots are in the second inch of soil, not thatch plus soil. Do not apply to newly set sod until the following year. Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury. Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control. Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass, or annual bluegrass (Poa annua) are desirable species.

LANDSCAPE ORNAMENTALS

This product may be applied for residual preemergence weed control in ornamentals (including established perennial and wildflower plantings).

Apply this product at 3.1 to 7.1 lbs./1,000 sq. ft. (135 to 312 lbs./A) in fall and/or spring. Use higher rate of application for longer control periods. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 7.1 lbs./1,000 sq. ft. (312 lbs./acre).

Application Timing and Information

This product is a preemergence herbicide and will not control emerged weeds. Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inch) mechanical incorporation, prior to weed seed germination and within 14 days following application.

Best weed control is obtained when this product is applied to soil free of clods, weeds, and debris such as leaves and mulch. Prior to application of this product, control existing vegetation by hand weeding, cultivation or the use of an appropriate postemergence

Apply this product to dry foliage only. Overhead irrigation or rainfall soon after application will wash granules off plant foliage and activate this product in the soil.

Tolerant Ornamental Species

This product will not harm most trees, shrubs, vines, and flowers. The species below are tolerant to this product. Best results will be obtained when this product is uniformly applied to the soil surface. This product may be applied over the top of these species

When plants are under stress (such as heat, drought, or frost damage) some cultivars of listed plants may be sensitive to this product.

Fir species** (Balsam, Fraser, Noble, etc.) Abelia: Sherwood Japanese Maple Norway Maple Yarrow: King Edward Lily-of-the-Nile (African Lily) Five-Leaf or Chocolate Vine Lady's Leek, Nodding Onion Japanese Anemone Aquilegia: Red and gold Vine Hill Manzanita Cape Weed Wormwood; Silver Mound, Castle Japanese Aucuba Barberry Aster: Bonny Blue, Purple Dome

Lady Fern; Fern Lady Fibrous Begonia; Hardy Grandis Wintergreen Barberry Mentor Barberry Japanese Barberry Warty Barberry Snowbank Bougainvillea Butterfly-Bush (Dwarf Blue); Royal Red Japanese Boxwood Crimson Bottlebrush Weeping Bottlebrush Scotch Heather Tussock Bellflower; (White Clips) Trumpet Creeper, Trumpet Flower; Madame Galen Hottenfot Fig (Ice Plant) Feathery Cassia Wild Lilac False Cypress Cleyera Citrus species* Coreopsis (Calliopsis); Early Sunrise

Moonbean Flowering Dogwood American Dogwood Pampas Grass Cranberry Cotoneaster Cotoneaster Bearberry Cotoneaster Rockspray Cotoneaster Hawthorn Lucifer Italian Cypress White Trailing Ice Plant Cooperi Pink Larkspur; Blue Elf

Dianthus, Maiden Pinks 'Zing' Cheddar Pink Hop Bush Coneflower, Purple; Magnus Silverberry Wintercreeper Japanese Spindle Tree (Evergreen Euonymus) Spreading Euonymus Japanese Aralia Border Forsythia Weeping Forsythia Greenstem Forsythia Galliaria, Blanket Flower: 'Goblin' Gardenia, Cape-Jasmine; Radicans Gentian Cranesbill Gladiolus species* Baby's Breath English Ivy Sunrose Daylily: Aztec Gold, Stella De Oro, Tender Love Coral Bell; Bridget Bloom Rose of Sharon** Chinese Hibiscus Mallow; Disco Belle White Hosta, Plantain Lily (Fragrant) Hosta, 'Searsucker Bigleaf Hydrangea Chinese Holly Japanese Holly; Helleri American Holly Yaupon Holly; Schillings Sword-Leaved Iris; Jodlesong Siberian Iris; Cabernet Iris species* Winter Jasmine Chinese Juniper; Nick's Compact. Parsonli Shore Juniper; Blue Pacific Parsoni Creeping Juniper Walnut* Shrimp Plant Crape Myrtle Crape Myrtle; Tuscarora Weeping Lantana Lavender; Munstead Edleweiss Chinese Privet; Variegata Amur Privet Japanese Privet Glossy Privet (Wax-Leaf) Lily; Jazz Big Blue Lillyturf; Turf, Silver Mound, Evergreen Giant

Liriope, Variegated Liriope, Creeping Cardinal Flower, Indian Pink Japanese Honeysuckle Tatarian Honeysuckle Burgundy Loosestrife; Modern Pink Magnolia species* Ice Plant Crabapple Yaku Jima, Silberfeder Heavenly Bamboo Narcissus species* Oleander **Evening Primrose** Olive*Mondo Grass Osmanthus (False Holly); Gulf Tide Trailing African Daisy Sourwood Tree Peony Fountain Grass (Dwarf)

Avocado* Frasier's Photinia (Redtip) Dragonhead; False; Vivid Spruce species** (Colorado Blue, Norway, etc.) Lily-of-the-Valley Shrub Calabrian Pine Canary Island Pine Slash Pine Aleppo Pine Austrian Black Pine Longleaf Pine Monterey Pine Japanese Black Pine Eastern White Pine Scotch Pine Loblolly Pine Virginia Pine Pistachio* Queensland Pittosporum

Japanese Pittosporum Japanese Yew English Laurel Almond, Apricot, Nectarine, Peach, Plum and Prune' Douglas Fir** Firethorn Scarlet Bradford Pear spp.

Oak, Shumard's Red Oak species Indian Hawthorn Yedda Hawthorn Rhododendron (including Azalea) 'Coral Bells' 'Delaware Valley White' 'Flame Creeper 'Formosa' 'Girard Crimson' 'George I. Tabor' 'Hino-crimson' 'P.IM' 'Roseum Elegans' Wakeiebisu White Gumbo Lady Bank's Rose Rosemary* Black-Eyed Susan; Goldstrum Leatherleaf Fern Santolina Saxifrage; Purple Dome Pincushion Flower Stonecrop; Lidakense, Dragon's Blood Spirea: Anthony Waterer Australian Brushcherry Germander Meadow Rue American Arborvitae Star Jasmine Canada Hemlock Tulip species Veronica Speedwell; Sunny Border Japanese Viburnum

Grape* Old Fashioned Weigela Spanish Bayonet, Yucca Adam's Needle, Yucca

Sweet Viburnum

Japanese Snowball

Arrowood Viburnum

Leatherleaf Viburnum

Greater Periwinkle, Vinca

Common Periwinkle, VInca

Laurustinus

Cranberry Bush

Canary Island Viburnum

*Do not use on food producing trees, vines, or plants. Not for use on container grown plants

VEGETATION MANAGEMENT

This product may be applied to soil surfaces for preemergence control of many grass and broadleaf weeds in non-cropland areas on or surrounding:

- Non-crop areas on or surrounding managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways & equipment
- · Facilities including substations, tankfarms, pumping stations, parking and storage areas and ungrazed fencerows

Most effective weed control in ornamentals will be obtained when this product is activated by at least 0.5 inch of rainfall or irrigation, or with shallow (1 to 2 inch) mechanical incorporation, prior to weed seed germination and within 14 days following application.

Apply this product at 3.1 to 7.1 lbs./1,000 sq. ft. (135 to 312 lbs./A) in fall and/or spring. Use higher rate of application for longer control periods. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rate of 7.1 lbs./1,000 sq. ft. (312 lbs./A).

STORAGE AND DISPOSAL

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

Storage: Store in original container away from fertilizer, feed, or food stuffs and separated from other pesticides.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or at an incineration facility; or, if allowed by state and local authorities, by burning locally. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS: YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

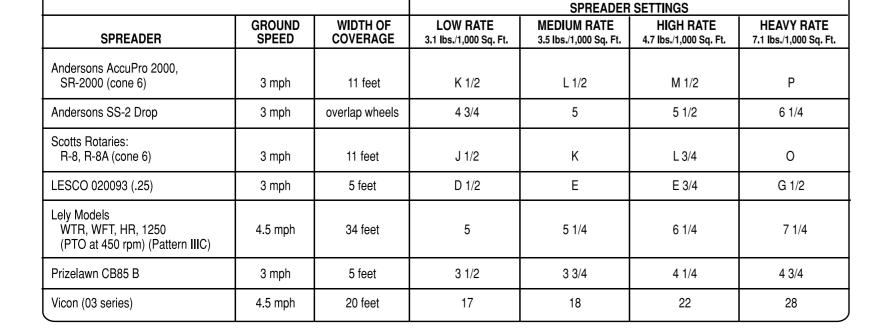
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Visit our website: AndersonsTurf.com

Manufactured by: The Andersons Lawn Fertilizer Division, Inc. P. O. Box 119 Maumee, OH 43537

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APTDG48BR5.1 APTDG48BR5.2B



RECOMMENDED SPREADER SETTINGS These suggested spreader settings are not intended to replace calibration. Calibrate your spreader before applying product.

50 lbs. treats 16,100 sq. ft. (0.37 acre) at the Low Rate (3.1 lbs./1,000 Sq. Ft.)

50 lbs. treats 14,200 sq. ft. (0.33 acre) at the Medium Rate (3.5 lbs./1,000 Sq. Ft.)

50 lbs. treats 10,600 sq. ft. (0.24 acre) at the High Rate (4.7 lbs./1,000 Sq. Ft.) 50 lbs. treats 7,000 sq. ft. (0.16 acre) at the Heavy Rate (7.1 lbs./1,000 Sq. Ft.)

