

CENTRAL PROTURF 12-0-0

Fertilizer with .42% Prodiamine Herbicide

For selective preemergence control of grass and broadleaf weeds in:

- Established Turf Grasses (excluding golf course putting greens) and lawns
- Landscape Ornamentals (including established perennials and wildflower plantings)

Guaranteed Analysis

Total Nitrogen (N).....12.0%

1.0% Water-Insoluble Nitrogen *

11.0% Urea Nitrogen**

*1.0% Water insoluble nitrogen from biosolids.

**3.0% coated slow release Nitrogen (N)

Derived From: Urea, Polymer coated Urea, Biosolids.

Active Ingredient

Prodiamine, [N³,N³-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-

m-phenylenediamine 0.42%

Other Ingredients 99.58%

Total.....100.000%

Spreader settings vary by make and model of spreader. Calibrate individual spreaders are calibrated for the specific product that is to be applied. Information on spreader make and model and suggested settings will be available at time of label printing. Use a walking speed of 3 miles per hour

Application Rates for example only - do not exceed the maximum annual application rate of 1.5 lb a.i./1000 sq. ft. (8.2 lb product/1000 sq. ft.)

Suggested Application Rates and Coverage

Coverage	Rate	Rate N/K	HVN PrizeLawn	Scotts R-8	LESCO Letter/#	Earthway Spyker
12,500 sq.ft	4.0 lb/K	.68#N/K	J	J	E/13	15
10,000 sq.ft	5.0 lb/K	.85#N/K	L	L	G/16	17

Distributed and Guaranteed by
Central Turf & Irrigation

8 Williams St.

Elmsford, NY 10523

Phone # 914-347-5656

Net Weight 50 Pounds

Product Code: **149414**

Lot#

Premium Turf Grade: **SGN 220**

REV0124



EPA REG. NO. 53883-297-103168

EPA EST. NO. 41124-WI-1

EPA EST. NO. 41124-OH-1

EPA EST. NO. 45719-PA-3

EPA EST. NO. 75527-PA-12

EPA EST. NO. 8378-IN-1

EPA EST. NO. 93243-CT-1 (CT)

EPA EST. NO. 90561-NC-001 (N)

EPA EST. NO. 93243-TX-1 (TX)

EPA EST. NO. 47956-PA-001

Keep Out of Reach of Children

CAUTION

See the following section, Precautionary Statements, Hazards to Humans and Domestic Animals, for additional information.

FIRST AID	
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-20 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 physician. 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 15-20 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 mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information.

Precautionary Statements

CAUTION

Hazards to Humans and Domestic Animals

Causes moderate eye irritation.

Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Environmental Hazards

Central Proturf Fertilizer with 0.42% Prodiamine Herbicide has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product is a selective preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- Established turf grasses (excluding golf course putting greens) and lawns
- Landscape ornamentals
- Established perennials and wildflower plantings

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

Not for use on plants being grown for; (1) Sale or other commercial use, (2) for commercial seed production, or (3) for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

WEEDS CONTROLLED

When used in accordance with this label this product will provide control of the following weeds:

Barnyardgrass	Kochia	Signalgrass, Broadleaf
Bluegrass, Annual (<i>Poa annua</i>)	Lambsquarter, common	Speedwell, Persian
Carpeweed	mon	Sprangletop
Chickweed, common	Lovegrass	Spurge, Prostrate
Chickweed, mouse ear (from seed)	Panicum (Texas, Fall, Browntop)	Witchgrass
Crabgrass (large, smooth)	Pigweed	Woodsorrel, Yellow (from seed)
Crowfootgrass	Purslane, common	
Cupgrass, Woolly	Pusley, Florida	
Foxtails, Annual	Rescuegrass ³	
Goosegrass ¹	Shepherd's Purse ²	
Henbit		
Itchgrass		
Johnsongrass (from seed)		
Junglerice		
Knotweed		

¹In many areas a single application of 0.65lb. to 1.5 lb. active ingredient per acre (equal to 155 lbs. to 357 lbs./ A of this product or equal to 3.6 to 8.2 lbs./10130 sq. ft. 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 0.65 lb. to 1.0 lb. a.i. per acre (equal to 155 lbs. to 238 lbs./A of this product or equal to 3.6 to 5.5 lbs./1000 sq. ft of this product) followed after 60 to 90 days by a second application at doses that would not exceed those given in the Maximum Annual Rate Table. Do not exceed the maximum rate for turf grass species listed in the Maximum Annual Rate Table above.

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

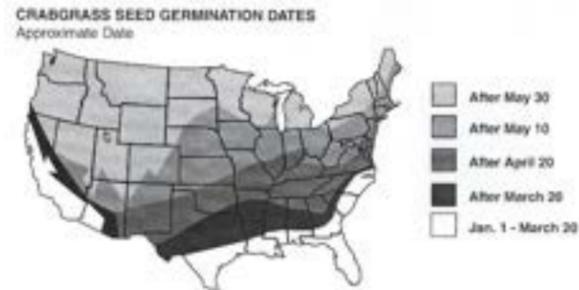
³Suppression only. Sequential applications may be made so long as the total amount of product applied does not exceed the maximum annual application rates recommended for each turf species. All applications must be made prior to germination of the weed seeds.

APPLICATION DIRECTIONS

Apply uniformly with suitable, calibrated application equipment.

ESTABLISHED TURF:

This product is a selective 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 inches of rainfall or irrigation prior to weed seed germination and within 14 days following application. See the map below for approximate crab grass seed germination dates.



USE PRECAUTIONS AND RESTRICTIONS: The following precautions apply to the use of this product in turf grasses and lawns: (1) Application of this product may thin emerged annual bluegrass and newly overseeded grasses. (2) 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. (3) Do not cut (harvest) treated sod before 120 days after application. Do not apply to newly set sod until the following year. (4) Application of this product to turf stressed by drought, low fertility, or pest damage may result in turf injury. (5) Disturbing the herbicide barrier with cultural practices such as diking may result in reduced weed control. (6) Do not apply this product to putting greens or areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.

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 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/Calendar Year of turf fertilizer by turf grass species ⁽¹⁾			
Turf Species:	Lbs. Product/A	Lbs. Product/1000 sq. ft.	Lbs. a./A
Creeping Bentgrass	155	3.6	0.65
Creeping Red Fescue	179	4.1	0.75
Buffalograss Kentucky Bluegrass Perennial Ryegrass	238	5.5	1.0
Bermudagrass ⁽²⁾ Bahigrass Centipedegrass Seashore Paspalum St. Augustinegrass Tall Fescue (including turf-type) Zoysia	357	8.2	1.5

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 0.5 lb. a./acre (equal to 119 lbs./A of this product or equal to 2.7 lbs./1000 sq. ft. of this product). 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.

- Do not apply more than 1.5 lbs. a.i. per calendar year per acre (equal to 357 lbs./A of this product or equal to 8.2 lbs./1000 sq. ft. of this product).
- Use higher rates of this product to achieve higher levels of fertility and longer periods of weed control for each turf type, but do not exceed the maximum application rates specified in the **Maximum Annual Rates Table**.

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

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

LBs Product/Acre	LBs Product/1000 sq. ft.	LBs ai/A	Months Before Overseeding		
			North	Transition	South
119	2.7	0.50	4	4	4
155	3.6	0.65	5	4	4
179	4.1	0.75	6	5	5
190	4.4	0.80	-	6	6
238	5.5	1.00	-	7	7
271	6.2	1.14	-	-	9
310	7.1	1.30	-	-	10
357	8.2	1.50	-	-	12

LANDSCAPE ORNAMENTALS

Including Established Perennials and Wildflower Plantings
This product may be applied for residual preemergence weed control in ornamentals.

Use rates and When to Apply

Apply in fall and/or spring, 0.65 to 1.5 lbs. active ingredient per acre, which is equal to 3.6 to 8.2 lbs. of this product per 1,000 sq. ft. of ornamental plantings; therefore 20 lbs of this product will treat 2,439 to 5,566 sq. ft. Use the higher rates of application for longer control periods. Sequential applications may be made as long as the total amount of product applied does not exceed the maximum annual application rate of 1.5 lbs. a.i. per acre.

Established Landscape Ornamentals

This product may be applied to established ornamentals as a broadcast, over the top, or directed application. Irrigation or rainfall soon after application will wash residues off plant foliage and activate it into the soil.

Newly Transplanted Landscape Ornamentals

This product may be applied to newly transplanted ornamentals as a broadcast, over the top, or directed application. Delay application to allow soil to settle around new transplants and water thoroughly before applying this product. Apply after cuttings form roots and become established. Apply before budding/grafting or after buds/grfts have taken to avoid any inhibition of the tissue union.

Tolerant Ornamental Species

This product will not harm most trees, shrubs, vines and flowers. The species listed below are tolerant to this product. Best results will be obtained when it is uniformly applied to the soil surface; avoid applying to ornamental shoots which may defeat the effort to get uniform distribution on 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.

SCIENTIFIC NAME

Abies spp.
Abelia grandiflora
Acer palmatum
A. Platanooides
Achillea spp.
Actinidia chinensis
Agapanthus africanus
Akebia quintata
Allium cemuum
Anemone hybrida
Aquilegia spp.
Arctostaphylos densiflora
Arctotheca calendula
Artemesia spp.
Aster spp.
Aster X Frikartii
Athrium Filiz-femina
Aucuba japonica
Begonia spp.
Berberis gladywensis
Berberis Julianae
Berberis mentorensis
Berberis Thunbergii
Berberis Verruculosa
Bergenia cordifolia
Boltonia asteroides
Buddleia davidii
Red
Buxus microphylla
Callistemon viminalis
Calluna vulgaris
Campanula carpatica
Campis X Tagliabuana
Carpobrotus edulis
Cassia artemisoides
Ceanothus rigidus
Ceratostigma
plumbagonoides
Chamaecyparis pisifera
Cleyera
Cleyera japonica
Citrus spp.
Coreopsis spp.

Cornus florida
C. Stolonifera
Cortaderia selloana
Cotoneaster apiculatus
C. buxifolius
C. dammeri
C. Microphyllus
Cretaeus spp.
Crocsmia spp.
Cupressus sempervirens
Delosperma alba
Delosperma spp.
Delphinium spp.
Dianthus deltooides
D. gratianopolitanus
Dodonea viscosa
Echinacea purpurea
Elaeagnus pungens
Euonymus fortunei
E. japonica
E. kiautschovica
Japanese Aralia
Forsythia intermedia
Forsythia suspensa
F. viridissima
Gaillardia spp.
Gardenia jasminoides
Gaura spp.
Gentiana dahurica
Geranium cinereum
Gladiolus spp.
Gypsophilia repens
Hedera helix
Helleborus spp.
Hemerocallis spp.

Hibiscus
Hibiscus spp.
Hibiscus rosa-sinensis
Hosta plantaginea
H. Sieboldiana
Houttuynia cordata
var. variegata
Hydrangea macrophylla
Ilex Bernyi
Ilex cornuta
I. crenata
I. opaca
I. vomitoria
Inula ensifolia
Iris ensata
Iris siberica
Iris spp.
Jasminium nudiflorum
Juniperus chinensis

J. conferta
J. davurica
J. horizontalis
Juglans spp.
Justicia brandegeana
Lagerstromia indica

COMMON NAME

Fir Species
Abelia: Sherwood
Japanese Maple
Norway Maple
Yarrow: King Edward
Kiwi*
Lily-of-the-Nile (African Lily)
Five-leaf or Chocolate Vine
Lady's Leek, Nodding Onion
Japanese Anemone
Columbine (Red and gold)
Vine Hill Manzanita
Cape Weed
Wormwood; Silver Mound, Castle
Aster: Bonnie Blue, Purple Dome

Lady Fern
Japanese Aucuba
Fibrous Begonia: Hardy Grandis
Barberry
Wintergreen Barberry
Mentor Barberry
Japanese Barberry
Warty Barberry

Snowbank
Butterfly-Bush (Dwarf Blue); Royal Red
Japanese Boxwood
Weeping Bottlebrush
Scotch Heather
Tussock Bellflower, (White Clips)
Trumpet Flower, Madame Galen
Hottentot Fig (Ice Plant)
Feathery Cassia
Wild Lilac

False Cypress
Cleyera
Citrus species*
Coreopsis (Calliopsis) Early Sunrise, Moonbeam

Flowering Dogwood
American Dogwood
Pampas Grass
Cranberry Cotoneaster
Cotoneaster
Bearberry Cotoneaster
Rockspray Cotoneaster
Hawthorne
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
Evergreen Euonymus
Spreading Euonymus
Japanese Aralia
Border Forsythia
Weeping Forsythia
Greenstem Forsythia
Gaillardia, Blanket Flower: "Goblin"
Gardenia, Cape-Jasmine

Gentian
Cranesbill
Gladiolus species**
Baby's Breath
English Ivy
Sunrose
Daylily: Aztec Gold, Stella de Oro, Tender Love
Rose of Sharon**
Mallow: Disco Belle White
Chinese Hibiscus
Hosta, Plantain Lily (Fragrant)
Hosta, "Seersucker"

Bigleaf Hydrangea
Holly
Chinese Holly
Japanese Holly
American Holly
Yaupon Holly, Schillings
Sword-Leaved Iris; Jodlesong
Siberian Iris; Cabernet
Iris species**
Winter Jasmine
Chinese Juniper; Nick's Compact, Parsonii
Shore Juniper; Blue Pacific
Parsoni
Creeping Juniper
Walnut*
Shrimp Plant
Crape Myrtle

SCIENTIFIC NAME

Lagerstromia indica X Fauriei
Lantana montevidensis
Lavender spp.
Leonopodium alpinum
Ligustrum amurense
Ligustrum sinense
L. japonicum
L. lucidum
Lilium spp.
Liriope muscari
Liriope muscari var. variegata
Liriope spicata
Lobelia Cardinalis
Lonicera japonica
L. tatarica
Lorapetalum chinense
Lythrum spp.
Magnolia spp.
Maleophora luteola
Malus spp.
Miscanthus sinensis
Nandina domestica
Narcissus spp.
Nerium oleander
Olea europaea
Ophiopogon japonicus
Omanthus heterophyllus
Osteospermum fruticosum
Oxydendrum arboretum
Paeonia suffruticosa
Pennisetum setaceum
Perovskia atriplicifolia
Persea americana
Photinia Fraseri
Physotegia Virginiana
Picea spp.

Pieris japonica
Pinus brutia
P. canariensis
P. Elliottii
P. halepensis
P. nigra
P. palustris
P. radiata
P. strobus
P. sylvestris
P. taeda
P. Thunbergiana
P. Virginiana
Pistachio spp.
Pittosporum rhombifolium
P. tobira
Podocarpus macrophyllus
Prunus laurocerasus
Prunus spp.

Pseudotsuga menziesii
Pyracantha coccinea
P. fortuneana
P. koidzumii
Pyrus spp.
Quercus Shumardii
Quercus spp.
Raphiolepis indica
Raphiolepis umbellata
Rhododendron (including Azalea)

Rosa banksiae
Rosmarinus officinalis
Rudbeckia spp.
Santolina virens
Saxifraga spp.
Scabiosa spp.
Sedum album
Sedum cauticola
Sedum dasyphyllum
Sedum spurium
Spiraea bumalda
Syzygium paniculatum
Taxus cuspidata
T. media
Teucrium spp.
Thalictrum dipterocarpum
Thuja occidentalis
Trachelospermum asiaticum
Tsuga canadensis
Tulipa spp.
Veronica spp.
Viburnum japonicum
V. odoratissimum
V. plicatum
V. rigidum
V. suspensum
V. tinus
V. trilobium
V. wrightii
Vinca major
Vinca Minor
Vitis spp.
Weigelia florida
Yucca aloifolia
Y. filametosia

COMMON NAME

Crape Myrtle; Tuscarora
Weeping Lantana
Lavender; Munstead
Edelweiss
Amur Privet
Chinese Privet; Variegata
Japanese Privet
Glossy Privet (Waxleaf)
Lily; Jazz
Big Blue Lily, 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
Olive*
Mondo Grass
Osmanthus (False Holly); Gulf Tide
Trailing African Daisy

Sourwood
Tree Peony
Fountain Grass (Dwarf)

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

Japanese Pittosporum
Japanese Yew
English Laurel
Almond, Apricot, Nectarine, Peach, Plum and Prune*
Douglas Fir**
Firethorn (Scarlet)
Firethorn
Firethorn
Bradford Pear spp.
Oak, Shumard's Red
Oak species
Indian Hawthorne
Yedda Hawthorne
'Coral Bells,' ' Formosa,' 'Hino-crimson,' ' PJM'
'Delaware Valley White', ' Roseum Elegans,' 'Flame Creeper', ' Girard Crimson', 'Wakeiebisu 'White Gumbo', 'George L. Tabor'

Lady Bank's Rose
Rosemary*
Black-Eyed Susan; Goldsturm
Santolina
Saxifrage; Purple Dome
Pincushion Flower
Stoncrop
Stoncrop; Lidakense
Stoncrop
Stoncrop; Dragon's Blood
Spirea; Anthony Waterer
Australian Brushcherry
Japanese Yew
Yew
Germander
Meadow Rue
American Arborvitae
Star Jasmine

Canada Hemlock
Tulip species
Veronica, Speedwell; Sunny Border
Japanese Viburnum
Sweet Viburnum
Japanese Snowball
Canary Island Viburnum
Arrowood Viburnum
Laurustinus
Cranberry Bush
Leatherleaf Viburnum
Greater Periwinkle, Vinca
Common Periwinkle, Vinca Grape*
Old Fashioned Weigela
Spanish Bayonet, Yucca
Adam's Needle, Yucca

*Do not use on food producing trees, vines or plants.

**Not for use on container grown plants.

STORAGE AND DISPOSAL
STORAGE: Store this product in its original container in a dry, cool, secured area. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.
PRODUCT DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the bag be used, carefully following label directions and precautions.
CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Central Turf & Irrigation or the Seller. All such risks shall be assumed by the Buyer. Central Turf & Irrigation warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **Central Turf & Irrigation makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Central Turf & Irrigation or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this Product.** Central Turf & Irrigation and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Central Turf & Irrigation.

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