

228-549

12/03/2007

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

December 3, 2007

Mr. Matthew Granahan
Regulatory Specialist
NUFARM AMERICAS, INC.
150 Harvester Drive Suite 200
Burr Ridge, IL 60527

Subject: Label Notification

Dear Mr. Granahan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 11/2/07 for **EPA Registration 228-549**. The Registration Division (RD) has conducted a review of this request for applicability under PRN 98-10 and finds that the label change(s) requested falls within the scope of PRN 98-10. The label has been date-stamped "Notification" and will be placed in our records.

If you have any questions, please contact me directly at 703-305-6249 or Sherada Hobgood of my staff at 703-308-8893.

Sincerely,

A handwritten signature in black ink, appearing to be "LS".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

<p>United States Environmental Protection Agency Washington, DC 20460</p>	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 228-549	2. EPA Product Manager Kathryn Montague	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dynamo 0.08% plus fertilizer Lawn and Ornamental Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>NOTIFICATION</u> Product Name <u>DEC 03 2007</u>	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Label notification consistent and 98-10, see cover letter for detailed explanation. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make false statements to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name George Meindl george.meindl@us.nufarm.com	Title Registration Manager	Telephone No. (include Area Code) (630) 455-2017
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Manager	
4. Typed Name George Meindl	5. Date 11/02/07	

3/26



Nufarm Americas, Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Telephone: (630) 455.2000 Facsimile: (630) 455.2001
www.us.nufarm.com

November 2, 2007

Via Overnight Courier

U. S. Environmental Protection Agency (7504P)
Document Processing Desk (NOTIF)
Room S4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

12/3
label changes

**Subject: Dynamo 0.08% plus fertilizer Lawn and Ornamental Herbicide
 EPA REG. No. 228-549
 Label Notification per PR 98-10
 Modification of New York State Specific Language**

Dear Ms. Hobgood:

The state of New York (NYDEC) has requested we revise New York State specific language on the subject registration. NYDEC would like us to revise the following:

"Use of this product in Nassau and Suffolk counties of New York is prohibited."

To:

"In The State of New York Do Not Apply More Than Once Per Year to The Same Area."

This change is in effort to revise a state imposed state specific restriction. Since this language was not mandated by the USEPA, we believe this can be revised via notification and is consistent with PRN 98-10 Section II (labeling notifications). This change has been highlighted for ease in review. Nufarm Americas Inc. certifies that no other changes to the label have been made.

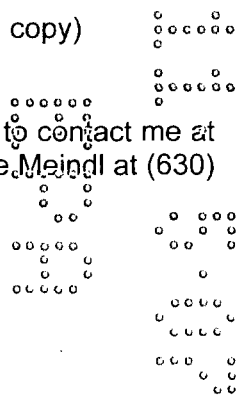
To process this request please find enclosed the following:

- Application for Pesticide Registration EPA form 8570-1
- Revised labeling with areas of change clearly identified (1 copy)
- Revised labeling – clean (1 copy)

If you should have any questions regarding this matter, please feel free to contact me at (630) 455-2048 or matthewgranahan@us.nufarm.com or contact George Meindl at (630) 455-2017 or e-mail at george.meindl@us.nufarm.com.

Sincerely,

Matthew Granahan
Regulatory Specialist
Nufarm Americas, Inc.



4/26

NOTIFICATION

DEC 03 2007

Dynamo™ 0.08% plus Fertilizer Lawn and Ornamental Herbicide

Provides season-long control of crabgrass and controls or suppresses other listed annual grasses and broadleaf weeds in established lawns and ornamental turf, and ornamental landscape areas.

- Do not use on turf being grown for sale or other commercial uses such as sod, or for commercial seed production, or for research purposes.
- Do not use on plants being grown for sale or other commercial uses such as sod, or for commercial seed production, or for research purposes.
- May be used on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens, parks or golf courses or lawns.

In the state of New York, this product may be applied at no more than 7.2 lbs. per 1,000 sq. ft. per year (equivalent to 0.25 lb. of active ingredient per acre). In The State of New York Do Not Apply More Than Once Per Year to The Same Area.

ACTIVE INGREDIENT:

Dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester 0.08%

OTHER INGREDIENTS: 99.92%

TOTAL: 100.00%

This product contains 0.04 pound of the active ingredient dithiopyr per 50-pound bag.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • 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 inhaled:	<ul style="list-style-type: none"> • 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	

See inside label booklet for additional PRECAUTIONARY STATEMENTS.

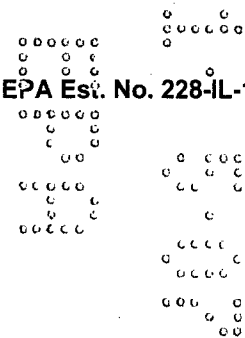
Manufactured for:
Nufarm Americas, Inc.
Burr Ridge, IL 60527

Dynamo™ 0.08% contains dithiopyr, the active ingredient used in Dimension®.

EPA Reg. No. 228-549

EPA Est. No. 228-IL-1

Net Weight: 50 lbs.



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact while handling this product may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

Use Directions for Turf

This product contains the active ingredient dithiopyr and is a turf fertilizer product. The following sites may be treated with this product for up to 4 months control of crabgrass and for control or suppression of other listed annual grasses and broadleaf weeds:

- established lawns
- ornamental landscape areas such as plants grown in ornamental gardens, parks or golf courses or lawns and ornamental turfs

The advantage of using this product is that it may be applied up to 4 weeks later than most other products that prevent crabgrass growth. This product:

- When applied before germination and emergence of crabgrass, this product provides *preemergence* control of crabgrass and control or suppression of other listed weeds in established turfgrasses.
- *Early postemergence* control of seedling crabgrass can be achieved if this product is applied when crabgrass seedlings are first visible in the established turfgrass. This *postemergence* crabgrass control is effective for up to 4 weeks after crabgrass germination. Do not make applications of this product later than 4 weeks after crabgrass germination. This product does not control weeds other than crabgrass when this product is used as a postemergence application.

Apply this product as directed only to the tolerant turfgrass species listed below.

Tolerant Turfgrass Species

Cool-Season Grasses

- Bentgrass, creeping
- Bluegrass, Kentucky
- Fescue, fine
- Fescue, tall
- Ryegrass, perennial

Warm-Season Grasses

- Bahiagrass
- Bermudagrass
- Buffalograss
- Carpetgrass
- Centipedegrass
- St. Augustinegrass
- Zoysiagrass

USE PRECAUTIONS

Turf Uses

Make applications of this product only to lawns and ornamental turfs that are well established (defined as turfgrass with a well-developed and vigorous root system, with a uniform stand, and which have received a minimum of two mowings after the seeding, sodding, or sprigging). Apply two weeks after the first sign of crabgrass germination **ONLY** in newly established lawns of Kentucky bluegrass, perennial ryegrass and/or tall fescue.

- Chances of injury increase if this product is applied to lawns and ornamental turfgrasses that are not well established, or are weakened by stress from pests, weather such as excessive temperatures and lack of rain or water, and mechanical treatments.
- For best results, cultural practices that disturb the soil (e.g., core-, spike-, or hydro-aerification, and verti-cutting) should be done before application of this product. **DO NOT** apply this product until after these activities are completed and the grass has recovered from any injury caused by these activities.
- **Reseeding, Overseeding or Sprigging:** To ensure establishment of desirable turfgrasses, do not reseed, overseed, or sprig areas treated with this product within 10 weeks after a single application of this product, or within 16 weeks after a split application program totaling 14.6 lbs./1000 sq. ft. (0.5 of active ingredient per acre). Use established cultural practices for seedbed preparation, seeding, irrigation and fertilization when reseeding or overseeding. In the state of New York, this product may be applied at no more than 7.2 lbs. per 1,000 sq. ft. per year (equivalent to 0.25 lb. of active ingredient per acre).
- Do not use clipping from treated turf for mulching around vegetables or fruit trees.
- Do not allow people or pets to enter treated area until dust has settled.

Application Frequency and Timing

Spring Applications for Crabgrass Control in Turf

- When applied before germination and emergence of crabgrass, this product provides *preemergence* control of crabgrass and control or suppression of other listed weeds in established turfgrasses.
- *Early postemergence* control of seedling crabgrass can be achieved if this product is applied before the 3-leaf stage of growth or first tiller which corresponds to the time when crabgrass seedlings are first visible in the established turfgrass [note: crabgrass at later growth stages will not be controlled by this product]. This *postemergence* crabgrass control is effective for up to 4 weeks after crabgrass germination. Do not make applications of this product later than 4 weeks after crabgrass germination. This product does not control weeds other than crabgrass when it is used as a postemergence application.

Spring Applications for Control of Other Weeds in Turf

The weeds listed below are controlled or suppressed by this product when applied as a preventative or at *preemergence* (before germination and emergence). Crabgrass is the only weed that is controlled when applications of this product are made up to 4 weeks after germination.

Fall Applications to Turf

This product can also be applied in the late summer through early fall (late August through November) to provide control of crabgrass through the summer. Select the rates listed in the *Fall Application Programs for Crabgrass Control in Turf* table. For season-long control of crabgrass, this fall application must be followed by a sequential application of this product the following spring. Wait 12 weeks after a fall application of this product before reseeding, overseeding, or sprigging turfgrasses.

Tips to Improve Weed Control

- For best results, wait a few days after mowing before applying this product and delay the next mowing for a few days after the application.
- The active ingredient and the fertilizer components in this product must be activated by rainfall or irrigation (½ inch of rainfall or sprinkler irrigation) after application to be effective. If this product is not activated by rainfall or irrigation within 30 days after application, poor weed control may result.
- To improve weed control, make two split (half-rate) applications at 5 to 10 weeks apart.

Weeds Controlled or Suppressed

In addition to crabgrass, the following weeds are controlled or suppressed by this product when applied before the weeds germinate.

Grasses

Barley
 Barnyardgrass
 Bluegrass, annual
 Brome
 Crabgrass, large
 Crabgrass, smooth
 Crabgrass, Southern
 Crowfootgrass §)
 Dallisgrass
 Goosegrass
 Foxtail, green
 Foxtail, yellow
 Kikuyugrass §
 Oats, wild
 Ryegrass (annual & perennial)
 Sandbur
 Smutgrass

Broadleaf Weeds

Bittercress §
 Carpetweed
 Chickweed §
 Geranium, Carolina §
 Henbit
 Knotweed, prostrate
 Lespedeza, common §
 Maretail
 Medic, black
 Mustard
 Oxalis, buttercup
 Pineappleweed §
 Pigweed, redroot
 Parsley-piert §
 Purslane, common
 Rocket, London
 Shepherdspurse
 Speedwell, corn §
 Spurge, garden
 Spurge, prostrate
 Spurge, spotted
 Woodsorrel, creeping
 Woodsorrel, yellow

§ *Suppression only*

This product provides up to 4 months of crabgrass control which is directly related to the application rate. However, other factors (weather, weed pressure, turfgrass condition, and the location of the treatment area within a region) impact the duration of weed control.

Application Rates for Crabgrass Control in Turf

Amount of Product to Apply Lbs. of this product per 1,000 sq. ft. of Turfgrass § (lbs. AI/acre)		
	North Region ¹	South/West Region ²
Desired Length of Control of Crabgrass		
2 – 3 Months	3.7 (0.128)	5.5 (0.192)
3 – 4 Months	5.0 (0.174)	6.3 – 7.3 §§ (0.22-0.256)
Early Postemergence Control	6.3 – 7.3 §§ (0.22-0.5)	6.3 – 14.3 §§ (0.22-0.5)

¹ All states not listed below for the South / West region.

² California, Nevada, Arizona, New Mexico, Texas, Oklahoma, Arkansas, Louisiana, Tennessee, Mississippi, Alabama, Georgia, Florida, South Carolina, North Carolina, Hawaii

§ An area that is 100 feet long by 10 feet wide is equal to 1,000 sq. ft. as is an area that is 32 feet long by 32 feet wide.

§§ For high weed pressure or increased length of crabgrass control, the higher rate should be used.

Maximum Application Rates for All Turfgrass Uses

- Do not apply more than 14.3 lbs. of this product per 1000 sq. ft. per application and no more than 43.0 lbs. of this product per 1000 sq. ft. per year which is equivalent to 0.5 and 1.5 lbs. active ingredient per acre.
- In the state of New York, this product may be applied at no more than 7.2 lbs. per 1,000 sq. ft. per year (0.25 lb. active ingredient per acre). In The State of New York Do Not Apply More Than Once Per Year to The Same Area.

Application Instructions and Equipment

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides but avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Follow the manufacturer's directions to calibrate the spreader and check equipment often to verify calibration and to ensure proper dispersion and distribution of the granules. Adjust the spreader settings to ensure delivery of the recommended application rate under actual application conditions. Apply this product uniformly over the treatment area and avoid streaking, skips, or overlaps during application. To improve uniform coverage, apply one-half of the required amount of this product over the treated area and then apply the remaining one-half of product by walking in a different direction (such as at a right angle to the first direction)

[Optional Text] RECOMMENDED SPREADER SETTINGS

Use the following chart as a guide for establishing an accurate application rate of this product. Rates will vary depending on speed, equipment wear and condition of spreader. Calibrate application equipment according to the manufacturer's directions prior to use and check frequently to be sure the equipment is working properly and distributing [product] uniformly and accurately.

Insert additional or alternate list of application spreaders and settings based on carrier used. (This note will not appear on the final printed label).

Application Directions for Landscape Ornamentals

This product provides *preemergence* control or suppression of listed annual grass and broadleaf weeds in the ornamental plants listed on this label. This product may be applied in ornamental gardens, golf courses, parks, and residential areas where ornamental plants are grown for aesthetic purposes. Use this product with a properly calibrated spreader that will provide uniform particle distribution. Follow the instructions in the *Application Instructions and Equipment* section above.

Use Rates

This product may be applied as a single application or as a split application. Improved weed control or extended weed control in areas with long growing season are achieved using split or sequential applications. Split applications are made by dividing the rate in the following table into two separate applications made 5 to 10 weeks apart. Sequential applications may be made either (1) in the late summer following a spring application or (2) in the spring after a fall application. In either case, do not exceed the maximum application rates per year noted below.

Landscape Ornamental Use Rates

lbs. Product/1000 sq. ft.	14.3
lbs. Product/100 sq. ft. *	1.43 (22.9 oz)

* This rate is based on an area of 100 sq. ft. for treatment of small areas.

Maximum Use Rates

- Do not apply more than 14.3 lbs. of this product per 1000 sq. ft. per application or more than 43.0 lbs. of this product per 1000 sq. ft. per year (0.5 and 1.5 lbs. active ingredient/acre, respectively).
- In the state of New York, this product may be applied at no more than 7.2 lbs. per 1000 sq. ft. per year (0.25 lb. active ingredient per acre). In The State of New York Do Not Apply More Than Once Per Year to The Same Area.

Application Timing and Recommendations

This product is effective as a preemergence herbicide. This product does not control established weeds. Make applications to mulched areas or bare ground prior to weed seed germination and do not disturb the soil by mixing or tilling. For optimum weed control, apply this product to soil that is free of clods, weeds and debris such as leaves. Prior to application, control existing weeds or vegetation by hand weeding, cultivation or using postemergence herbicides.

Precautions

- Before application, ensure that the ornamental plants are well established.
- Direct application of this product to bare roots of ornamental plants may result in injury.
- To avoid plant root injury and dilution of the product, do not incorporate this product into the soil.
- A number of factors (i.e., drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides, or damage from insects, nematodes or disease) can lead to plant stress. Do not apply to soil around ornamental plants that are under stress.
- Irrigation immediately after application will remove any herbicide granules adhering to foliage and prevent foliar damage to ornamentals.

- Do not apply under conditions that would affect uniformity of application or distribution on the soil surface, which will result in uneven weed control. Do not apply under windy conditions to avoid drift of granules from the intended treatment area.

Weeds Controlled or Suppressed

When used as directed, this product will control crabgrass and control or suppress other listed grass and broadleaf weeds when applied before their germination. Consult the *Weeds Controlled or Suppressed* table in the section *Application Directions for Turf* above. Except for crabgrass in early stages of development, this product will not control established broadleaf weeds or grasses. Ensure the area to be treated is free of weeds prior to application.

Tolerant Ornamentals

The ornamentals listed below have shown tolerance to this product when applied according to directions in this label. Due to the large number of species and cultivars, it is impossible to test all ornamental varieties and under all possible growing conditions for tolerance to this product. Before application on large-scale areas, the user should determine if this product can be used safely on ornamental varieties not listed on this label by testing on a few plants in a limited area under local growing conditions.

List of Tolerant Ornamentals

Name	Tolerant Cultivars
Abelia, Dwarf <i>Abelia X grandiflora</i>	Nana
Ajuga <i>Ajuga reptans</i> <i>Ajuga genevensis</i>	Bronze Bronze Beauty
Almond, Flowering <i>Prunus glandulosa</i>	
Apple § <i>Malus pumila</i>	
Arborvitae <i>Thuja occidentalis</i>	Nigra Pyramidalis Smaragh Techny Woodwardii
Arborvitae, Golden <i>Thuja orientalis</i>	
Aster, Chinese <i>Callistephus chinensis</i>	Dwarf Queen
Ash, Green <i>Fraxinus pennsylvanica</i>	
Ash, Mountian <i>Sorbus aucuparia</i>	
Ash, Purple <i>Fraxinus Americana</i>	
Azalea <i>Rhododendron spp.</i>	Brilliant Buccaneer Carror Chimes (Belgian) Elsie Lee Exbury Fashion Hardijzer Beauty Hershey Red

Name	Tolerant Cultivars
	Higasa Hinocrimson Holland (hybrid) Marion Lee Northern Lights Orange Cup Orchid Lights Snow Southern Charm
Azalea, Flame <i>Rhododendron calendulaceum</i>	
Azalea, Kirishima	
Bamboo, Heavenly	
Barberry <i>Berberis thunbergii</i>	Aurea Dwarf Pigmy Green Kobold Pygmy Red Rose Glow
Barberry, Purple	Atropurpurea
Basket flower <i>Gaillardia grandiflora</i>	
Bearberry (common) <i>Arctostaphylos uva-ursi</i>	Massachusetts
Bee Balm <i>Monarda didyma</i>	
Begonia <i>Begonia spp.</i>	
Birch, River <i>Betula nigra</i>	
Blackeyed Susan <i>Rudbeckia hirta</i>	Goldstrum
Blanket flower <i>Gaillardia spp.</i>	
Blueberry § <i>Vaccinium spp.</i>	Bluecrop Blue Jay Jersey North Blue Northland
Bottlebrush <i>Callistemon citrinus</i>	
Boxwood, Japanese	Japonica
Boxwood, Weller <i>Buxus sempervirens</i>	
Broom <i>Cytisus spp.</i> <i>Genista pilosa</i>	Moonlight Vancouver gold
Bugle Carpet	
Camellia <i>Camellia Japonica</i> <i>Camellia sasanqua</i>	Debutante Mathotiana Supreme Chansonette
Candy Tuft <i>Iberis spp.</i>	Snow White
Carex, Variegated	

12/20

Name	Tolerant Cultivars
Carex	
Cedar, Red <i>Juniperus virginiana</i>	
Celosia <i>Celosia spp.</i>	
Centaurea <i>Centaurea Montana</i>	
Cockscomb, Plumosa <i>Celosia cristata</i>	Scarlet Plumosa
Coleus <i>Coleus blumei</i>	Red Kewpie
Columbine <i>Aquilegia spp.</i>	
Copper leaf <i>Acalypha wilkesiana</i>	
Coreopsis <i>Coreopsis spp.</i>	Moonbeam
Corn Flower <i>Centaurea spp.</i>	
Cotoneaster <i>Cotoneaster apiculatus</i>	
Coyotebrush <i>Baccharis pilularis</i>	
Cycads <i>Cycas revolute</i>	
Cypress, Bald <i>Taxodium distichum</i>	
Cypress, Italian <i>Cupressus sempervirens</i>	Glauca
Cypress, Japanese False <i>Chamaecyparis obtusa</i>	Gracilis
Cypress, Leyland <i>Cupressocyparis leylandii</i>	
Daffodil <i>Narcissus spp.</i>	King Alfred
Daylily <i>Hemerocallis spp.</i>	Aztec Gold Bright Yellow (Hybrid) Single Gold (Evergreen) Wilson's Yellow
Dianthus (Sweet William) <i>Dianthus spp.</i>	
Delphinium <i>Delphinium spp.</i>	Magic fountain
Dogwood <i>Comus florida</i>	
Dogwood, American <i>Comus sericea</i>	Flavarimaea
Douglas Fir <i>Pseudotsuga menziesii</i>	
Dusty miller <i>Senecio cineraria</i>	
Elm, Drake <i>Ulmus parvifolia</i>	
Euonymus	Argenteo-variegata

Name	Tolerant Cultivars
<i>Euonymus fortunei</i>	Auereo-marginata Colorata Emerald Gaiety Emerald eN Gold Gold Edge Gold Princess Silver king Tricolor Vegetus
Fan Palm, European <i>Chamaerops humilis</i>	
Fan Palm, Mexican <i>Washingtonia robusta</i>	
Fern (various) <i>Asparagus spp.</i>	
Fescue <i>Festuca glauca</i>	
Fetterbush <i>Leucothoe fontanesiana</i>	Rainbow
Ficus <i>Ficus retusa</i>	Nitidia
Fir Fraser <i>Abies fraseri</i>	
Forsythia <i>Forsythia X intermedia,</i>	Arnold Dwarf Bronxensis Dwarf Lynwood Gold Meadowlark Spring Glory Weeping
Fuchsia <i>Fuchsia spp.</i>	
Galium <i>Gallium odoratum</i>	
Gardenia <i>Gardenia jasminoides</i>	Mystery Radicans
Geranium <i>Pelargonium hortorum</i>	
Gum <i>Eucalyptus citriodora</i>	
Hawthorn <i>Crataegus spp.</i>	Cockspur white Crimson Cloud Enchantress Jack Evans Washington White
Heather, Twisted <i>Erica cinerea</i>	Mediterranean Pink
Hemlock, Canada <i>Tsuga canadensis</i>	
Hibiscus <i>Hibiscus spp.</i>	Blue Bird Brilliant Hula Girl
Holly, <i>Ilex spp.</i> <i>Ilex X meserveae</i>	Blue Boy Blue Girl Burfordii

Name	Tolerant Cultivars
<i>Ilex X attenuata</i>	China Girl Compacta Forsteri Hellerie Japanese Northern Beauty Needlepoint Nellie R. Stevens Savannah
Holly, Chinese <i>Ilex comuta</i>	
Holly, Japanese <i>Ilex crenata</i>	
Holly, Yaupon <i>Ilex vomitoria</i>	
Honeysuckle <i>Lonicera Japonica</i>	Claveyis Dwarf Halliana Tatarian Canadian White Zebelli Red Hosta
Hosta <i>Hosta spp.</i> <i>Hosta lancifolia</i>	Albo Marginata
Ice Plant <i>Carpobrotus edulis</i>	
Impatiens <i>Impatiens spp.</i>	
Iris <i>Iris spp.</i>	Dwarf Blue Wedgewood
Ivy, English <i>Hedera helix</i>	Bulgaria Thorndale
Jasmine, Asian <i>Trachelospermum asiaticum</i>	
Juniper <i>Juniperus spp.</i>	Arcadia Armstrong Bar Harbor
Juniper <i>Juniperus horizontalis</i>	Blue Chip Blue Pacific Blue Rug Blue Star Broadmoor Buffalo Calgary Carpet Emerald Sea Emerald Spreader Endora Compacta Fruitlandi Green Gold Tip Hetzi Hughes Manhattan Blue Parsoni Pfitzeriana Plumosa Prince of Wales Procumbens Dwarf

Name	Tolerant Cultivars
	San Jose Sergeant Blue Sergeant Green Scandia Scopulorum Moonglow Scopulorum Skyrocket Spartan
Juniper <i>Juniperus chinensis</i>	Tamariscifolia
Juniper <i>Juniperus sabina</i>	Weberi Youngstown Yukon Belle
King Palm <i>Archontophoenix cunninghamiana</i>	
Laurel, Australian <i>Pittosporum tobira</i>	
Laurel, Mountain <i>Kalmia latifolia</i>	
Leucothoe <i>Leucothoe fontanesiana</i>	
Ligustrum, Japanese <i>Ligustrum japonicum</i>	
Lily, African <i>Agapanthus africanus</i>	Albus Peter pan
Lily, African Blue	
Lily of the valley <i>Pieris japonica</i>	Mt. Fire
Lilyturf <i>Liriope muscari</i>	Evergreen Giant Lilac Beauty Majestic Monroe White Variegata
Liriope, Green <i>Liriope spicata</i>	
Maple, Japanese <i>Acer japonicum</i>	
Maple, Norway <i>Acer platanoides</i>	
Maple, Red § <i>Acer rubrum</i>	
Maple, Silver <i>Acer saccharinum</i>	
Maple Sugar § <i>Acer saccharum</i>	
Marigold <i>Tagetes patula</i>	Honeycomb Variegata Wheeleris Dwarf
Mock Orange § <i>Philadelphus spp.</i>	Golden Snowflake Double White
Mondo Grass <i>Ophiopogon japonicus</i>	
Moss Rose <i>Portulaca grandiflora</i>	Sunnyside
Myrtle, Crape <i>Lagerstroemia indica</i>	Faurei Langer

Name	Tolerant Cultivars
	Muskogee Standard Pink
Myrtle, wax <i>Myrica cerifera</i>	
Nandina <i>Nandina domestica</i>	Compacta Nana
Narcissus <i>Narcissus spp.</i>	
Oak, Laurel <i>Quercus laurifolia</i>	
Oak, Pin <i>Quercus palustris</i>	
Oak, Red <i>Quercus rubra</i>	
Oak, Southern <i>Quercus virginiana</i>	
Oak, Willow <i>Quercus Phellos</i>	
Oleander <i>Nerium oleander</i>	Hardy Red Petite Pink Sister Agnes
Osteospermum <i>Osteospermum fruticosum</i>	Whirligig
Pachysandra <i>Pachysandra terminalis</i>	
Palm, Bangalow	
Pampas Grass <i>Cortaderia selloana</i>	
Pansy <i>Viola X wittrockiana</i>	
Paper Flower <i>Bougainvillea glabra</i>	Barbara Karst
Peach § <i>Prunus persica</i>	
Periwinkle, Dwarf <i>Vinca minor</i>	
Petunia <i>Petunia X hybrida</i>	Picoti
Photinia, Red Tip <i>Photinia X traseri</i>	
Pieris <i>Pieris japonica</i>	
Pine, Australian <i>Pinus nigra</i>	
Pine, Japanese Black <i>Pinus thunbergiana</i>	
Pine, Loblolly <i>Pinus taeda</i>	
Pine, Longleaf <i>Pinus palustris</i>	
Pine, Mugo <i>Pinus mugo</i>	
Pine, Scotch <i>Pinus sylvestris</i>	

17/20

Name	Tolerant Cultivars
Pine, Slash <i>Pinus elliottii</i>	
Pine, Swiss Mt. <i>Pinus mugo</i>	
Pine, Virginia <i>Pinus virginiana</i>	
Pine, White <i>Pinus strobus</i>	
Pineapple, Guava § <i>Feijoa sellowiana</i>	
Pieris <i>Pieris taiwanensis</i>	
Pittosporum, Japan	
Potentilla <i>Potentilla nepalensis</i> <i>Potentilla fruticosa</i>	Abbotswood
Privet <i>Ligustrum japonicum</i>	Golden Vicary Regal Texanum Wax Yellow Tipped
Privet, Glossy <i>Ligustrum lucidum</i>	
Pyracantha <i>Pyracantha koidzumii</i>	Gnome Lalandei Victory
Queen Palm <i>Arecastrum ramanzoffianum</i>	
Quince, Japanese §	
Rhododendron <i>Rhododendron spp.</i>	Album Cunningham White Fashion Hardy PJM Purple Gem Silvery Pink
Rhododendron, Carolina <i>Rhododendron carolinianum</i>	
Rhododendron, Catawba <i>Rhododendron catawbiense</i>	
Rockcress <i>Arabis spp.</i>	Snowcap
Rhodie max (Rosebay) <i>Rhododendron maximum</i>	
Rose § <i>Rosa banksiae</i>	Luta
Rosemary § <i>Rosmarinus officinalis</i>	
Rosemary, bog <i>Andromeda polifolia</i>	Nana
Salvia <i>Salvia farnacea</i>	Rhea
Sedum	Dragon Blood Red

Name	Tolerant Cultivars
Sedum spurium	Red Carpet Yellow
Snapdragon <i>Antirrhinum spp.</i>	
Sourwood <i>Oxydendrum arboretum</i>	
Spiraea <i>Astilbe X arendsii</i>	Fanall
Spiraea <i>Spiraea spp.</i>	Anthony Waterer Red Dolchica Froebeli Pink Goldenflame red Snowmound White Van Houtte White
Spiraea, Garland <i>Spiraea spp.</i>	
Spruce, Black Hills <i>Picea glauca</i>	
Spruce, Colorado Blue <i>Picea pungens</i>	
Spruce, Norway <i>Picea abies</i>	
Spruce, White <i>Picea glauca</i>	Conica
Sweetflag, Grassy-Le	
Sweetgum <i>Liquidambar styraciflua</i>	
Sycamore <i>Platanus occidentalis</i>	
Tree Fern (Tiki Fern) <i>Asparagus virgatus</i>	
Trumpet Flower, Evening <i>Gelsemium sempervirens</i>	
Tulip <i>Tulip spp.</i>	Apeldoorn
Verbena, Shrub <i>Lantana sellowiana</i>	
Vervain <i>Verbena spp.</i>	St. Paul
Viburnum <i>Viburnum spp.</i>	American Cranberry Bush Arrowood Common Snowball European Cranberry Bush Linden Mohican Wright
Vinca (Periwinkle) <i>Vinca minor</i>	
Windmill Palm <i>Trachycarpus fortunei</i>	
Xylosma <i>Xylosma congestum</i>	
Yarrow <i>Achillea spp.</i>	
Yaupon	Dwarf

19/20

Name	Tolerant Cultivars
<i>Ilex vomitoria</i>	
Yew <i>Taxus cuspidate</i> <i>Taxus X media</i>	Denisiformis

§ Make applications to ornamental species only. Do not use on food producing trees and ornamentals.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store this product only in its original container in a dry, cool, secured storage area.

Pesticide Disposal:

If Empty: Do not reuse this container. Place in trash or offer for recycling if available

If Partially Filled: Call your local solid waste for disposal instructions. Never place unused product down any indoor or outdoor drain.

Container Disposal:

If Empty: Do not reuse empty bag. 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.

Spill: In case of spill, sweep up material and dispose of material according to "Disposal" directions provided above.

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[Optional Text] Guaranteed Fertilizer Analysis: XX-XX-XX*

Water-Insoluble Nitrogen	XX%
Total Nitrogen (N).....	XX%
Ammoniacal Nitrogen.....	XX%
Urea Nitrogen.....	XX%
Available Phosphoric Acid (P ₂ O ₅)	XX%
Soluble Potash (K ₂ O).....	XX%
Calcium (Ca).....	XX%
Magnesium (Mg).....	XX%
Copper (Cu).....	XX%
Iron (Fe).....	XX%
Manganese (Mn).....	XX%
Zinc (Zn).....	XX%

*This product may be formulated with one or more of the following fertilizer materials: urea, methylene urea, sulfur coated urea, ammoniated phosphates, sulfate of potash, muriate of potash, copper oxide, iron oxide, manganese oxide, zinc oxide or limestone.

[Optional Marketing Claims]:

- A selective herbicide plus fertilizer combination product that provides control of crabgrass and many other weeds in established lawns and ornamental turfgrasses and residential landscapes.
- Premium Granular Fertilizer – Providing the nutrients needed for beautiful healthy lawn and ornamentals.
- Contains dithiopyr – a highly effective herbicide for crabgrass control.
- Can be applied up to 4 weeks later than other preemergence crabgrass preventers.
- This bag treats up to _____ sq. ft.