



707-247

02/07/2000

1/15

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

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

Dr. Ann M. Tillman, Ph.D.
Rohm and Haas Company
100 Independence Mall West
Philadelphia, PA 19106-2399

FEB - 7 2000

Dear Dr. Tillman:

Subject: Crab-Buster® 2 F. G. Lawn and Ornamental Herbicide
EPA Registration No. 707-247
Application and Letter Dated October 27, 1999, Request
To Amend Registration To Clarify Use Directions,
Add Ornamental Species and Specify Use Rates for
New York; and Letter Dated January 24, 2000, Re-
submission To Add New York State Restrictions,
and To Clarify Claims for Ranges of Dosages

The proposed labeling submitted with your January 24, 2000
letter has been reviewed and found acceptable under
the Federal Insecticide, Fungicide and Rodenticide Act
(FIFRA), as amended, provided that you revise the labeling
as indicated by the following comments:

1. Revise the statements on the labeling regarding
restrictions of use in the State of New York by
adding the words "the State". These statements
should read "In the State of New York,".
2. Submit one (1) copy of your final printed labeling
before you release the product for shipment, under
the subject amended labeling.

If these conditions are not complied with, the registration
will be subject to cancellation in accordance with FIFRA,
section 6(e). Your release for shipment of the product con-
stitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Eugene M. Wilson
for Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

- M 2 B
1/19/00



CRAB-BUSTER[®] 2 F.G.
LAWN and ORNAMENTAL HERBICIDE

CRAB-BUSTER is a selective herbicide that provides control of listed annual grasses and broadleaf weeds in ornamental landscape areas, established lawns and ornamental turf.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds

In New York, do not exceed 0.5 pounds active ingredient Dithiopyr per year and do not exceed 0.25 pounds active ingredient per year in Nassau and Suffolk Counties.

ACTIVE INGREDIENTS

Dithiopyr, 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethylester.....2.1%

INERT INGREDIENT.....97.9%

TOTAL 100.00%

Product protected by U.S. Patent No. 4,692,184. Other patents pending.

EPA Reg. No. 707-247

Read the entire label before using this product.
Use only according to label instructions.

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

FEB - 7 2000

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
707-247**

NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**FIRST AID: IF IN EYES- Immediately flush with plenty of water. Get medical attention if irritation persists.
IF INHALED- Remove individual to fresh air. Seek medical attention if breathing difficulty develops.**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION:

CAUSES EYE IRRITATION.

HARMFUL IF INHALED.

Avoid contact with eyes or clothing.

Avoid breathing dust.

Wash thoroughly with soap and water after handling.

Remove contaminated clothing and wash before reuse.

Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

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 any manner inconsistent with its labeling.

CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. **ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.** Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. **IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**

STORAGE AND DISPOSAL

STORAGE: Store this product only in its original container in a dry, cool, secured storage area. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PRODUCT DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

EMPTY CONTAINER DISPOSAL: Do not reuse bag. Completely empty bag into application equipment. Dispose of emptied bag(s) 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 "product disposal" directions listed above.

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%
Magnesium (Mg)	xx%
Iron (Fe)	xx%
Manganese (Mn)	xx%

Nutrient Sources: Sulfur Coated Urea, Urea, Methylene Urea, Ammonium Phosphate, Ammonium Sulfate, Diammonium Phosphate, Sulfate of Potash, Ferrous Sulphate, Manganese Oxide, Magnesium Oxide, Dolomite.
Chlorine (Cl), not more than 9%.

- A Selective Herbicide Plus Fertilizer Combination Product that Provides Control of Crabgrass and 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 CRAB-BUSTER® 2F.G. Herbicide - A Highly Effective Herbicide for Crabgrass Control! NON-STAINING!
- Can Be Applied Up to 4 Weeks Later Than Other Preemergence Crabgrass Preventers.

This Bag Treats Up To _____ Square Feet

GENERAL INFORMATION FOR TURF USE

CRAB-BUSTER 2 F.G. Lawn and Ornamental Herbicide is a premium quality combination product that provides both weed control and the required nutrients for optimum turfgrass growth all in a single product.

CRAB-BUSTER 2 F.G. contains new CRAB-BUSTER herbicide, a selective herbicide that can be applied up to 4 weeks later than other crabgrass preventers and provide up to 4 months control of crabgrass and other grass and broadleaf weeds, prior to their germination in lawns and ornamental turfgrasses.

This product should be applied to lawns and ornamental turfgrasses that are well established (See "Use Precautions" section below for a list of the tolerant turfgrasses).

This product will not harm nearby established ornamentals when used according to directions, given below.

USE PRECAUTIONS

CRAB-BUSTER 2 F.G. Lawn and Ornamental Herbicide should only be applied to lawns and ornamental turfgrasses that are well established. Use of this product on lawns and ornamental turfgrasses that are not well established, or have been weakened by stress due to mechanical operations, pests, excessive temperatures, or lack of moisture may increase the chances for turfgrass injury. Do not apply to lawns or turfgrasses that are under stress.

CRAB-BUSTER 2 F.G.

can be applied to the following turfgrasses when used as directed:

Cool-Season Turfgrasses

- Creeping Bentgrass
- Fine Fescues
- Kentucky Bluegrass
- Perennial Ryegrass
- Tall Fescues

Warm-Season Turfgrasses

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

CRAB-BUSTER 2 F.G. Lawn and Ornamental Herbicide should be applied in the spring or fall prior to the weed seed germination in established lawns and ornamental turfgrasses.

CRAB-BUSTER 2 F.G. Lawn and Ornamental Herbicide can be applied up to 4 weeks later than other crabgrass preventers and still provide season-long weed control. This is due to the dithiopyr herbicide component of this combination product. CRAB-BUSTER 2 F.G. provides both preemergence control of crabgrass and other weeds when applied prior to their germination, and it also provides postemergence control of seedling crabgrass. The postemergence control provided by CRAB-BUSTER 2 F.G. is limited to crabgrass only and will provide control up to 4 weeks after crabgrass germination. Do not make an application of this product later than 4 weeks after crabgrass germination.

For control of other grass and broadleaf weeds, this product must be applied as a preventative treatment before their emergence. Only crabgrass will be controlled with applications made up to 4 weeks after germination.

Do not expect control with applications made later than 4 weeks after crabgrass germination.

Improved Weed Control may occur when this product is applied within a few days after mowing and further mowing is delayed until the turfgrass has been watered or received rainfall to dissolve the fertilizer granules.

Reseeding, Overseeding, or Sprigging of turfgrasses into areas that have been previously treated with this product should be delayed until after 12 weeks from the time of application. Reseeding, overseeding, or sprigging before 12 weeks or earlier after application may injure or prevent the establishment of the newly reseeded, overseeded or sprigged turfgrasses.

- DO NOT apply more than 0.55 lbs. of this product per 1,000 sq. ft. per application and no more than 1.65 lbs. of this product /1000 sq. ft. per year (1,000 square feet area = 100 feet x 10 feet).
- In New York, do not exceed 0.5 pounds active ingredient Dithiopyr, per year and do not exceed 0.25 pounds active ingredient per year in Nassau and Suffolk Counties.
- DO NOT use clippings from treated turf for mulching, vegetables or fruit trees.
- Keep people and pets off treated areas until dust has settled.

APPLICATION DIRECTIONS

CRAB-BUSTER 2 F.G. Lawn and Ornamental Herbicide will provide control of crabgrass and other grass and broadleaf weeds when applied prior to germination in established lawns and ornamental turfgrasses.

**Weeds Controlled and/or Suppressed by
CRAB-BUSTER 2 F.G.**

<u>Grass Weeds:</u>	<u>Broadleaf Weeds:</u>
Annual Bluegrass	Bittercress
Annual Ryegrass	Buttercup Oxalis
Barnyardgrass	Carolina Geranium
Crabgrass	Chickweed
Crowfootgrass	Common Lespedeza
Goosegrass	Common Purslane
Green Foxtail	Corn Speedwell
Kikuyugrass (seedling)	Creeping Oxalis
Perennial Ryegrass	Henbit
Smutgrass (seedling)	Parsley-piert
Yellow Foxtail	Pineappleweed
	Prostrate Spurge
	Spotted Spurge
	Yellow Woodsorrel

APPLICATION TIMING

CRAB-BUSTER 2 F.G. Lawn and Ornamental Herbicide may be applied either in the spring or in the fall for the control of weeds.

When this product is applied in the fall, a sequential or second application must be made the following spring to provide season-long control of weeds.

If this product is applied in the fall, DO NOT reseed, overseed or sprig turfgrasses before 12 weeks after application of this product due to potential turfgrass injury to the newly reseeded, overseeded or sprigged turfgrasses.

Length of Control:

CRAB-BUSTER 2 F.G. Lawn and Ornamental Herbicide will provide up to 4 months of weed control if applied according to label directions.

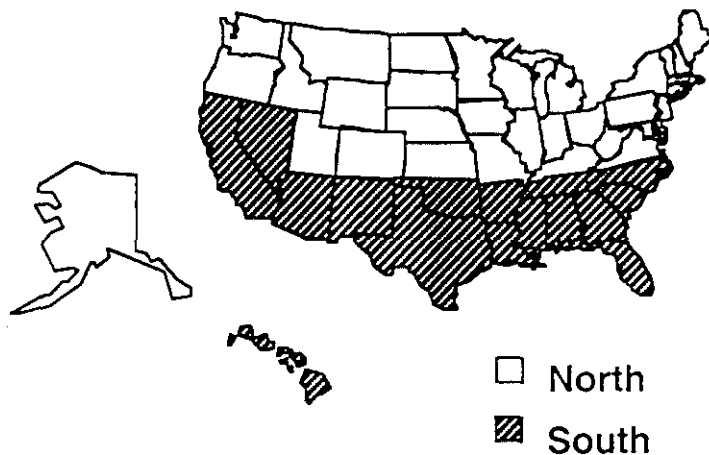
The actual length of control will vary depending on use rate, weather conditions, condition of the turfgrass, intensity of weed pressure, and the location or "Region" within the United States that this product is being applied.

Please check the map below to determine the region of the U.S. that applies to your particular use area, and find the number of pounds of this product needed in your area based on the length of weed controlled outlined in the tables below.

POST EMERGENCE CRABGRASS CONTROL

For post emergent crabgrass control, apply this product at the recommended rates when crabgrass is small (3-4 leaf). This product will not control large tillered crabgrass. Applications will control existing crabgrass and prevent further emergence.

Use "Regions" within the United States:



RECOMMENDED USE RATES

Recommended Use Rate Table for CRAB-BUSTER 2 F.G.			
(Pounds of this product to apply per 1,000 square feet of turfgrass)			
Region of U.S.	Length of Weed Control		Early Post Emergence Control
	2-3 Months Control	3-4 Months Control	
North	0.14 (.128 lb. ai/acre)	0.19 (.174 lb. ai/acre)	0.25-0.55 (0.22-0.50 lb. ai/acre)*
South	0.21 (.192 lb. ai/acre)	0.25-0.28 (0.22-0.256 lb. ai/acre)*	0.25-0.55 (0.22-0.50 lb. ai/acre)*

- * Use the higher rate in areas of high weed pressure.

APPLICATION EQUIPMENT AND INSTRUCTIONS

CRAB-BUSTER 2 F.G. Lawn and Ornamental Herbicide can be applied with a drop or rotary type spreader designed to apply granular fertilizers.

For best results, apply this product evenly and uniformly over the turfgrass area avoiding streaking, skips or overlaps. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands.

Before each application, calibrate the spreader according to the equipment manufacturer's directions. Adjust the spreader settings such that the spreader delivers the appropriate application rates of this product as recommended above.

A more uniform application can be made by spreading one-half of the recommended amount of this product over the turfgrass area and then applying the remaining one-half of this product at a right angle to the previous application direction.

Check application equipment frequently to insure equipment is functioning properly and applying a uniform distribution of fertilizer.

GENERAL INFORMATION -LANDSCAPE ORNAMENTALS

CRAB-BUSTER 2 F.G Lawn and Ornamental Herbicide provides preemergence control of listed annual grass and broadleaf weeds in landscape ornamentals. It may be applied to soil surfaces where ornamental plants are grown for aesthetic purposes in ornamental gardens, parks, golf courses and residential properties.

Ornamental plants on this label have shown tolerance to CRAB-BUSTER 2 F.G. when applied as directed. It is impossible, however, to evaluate tolerance for on all ornamental plant species or varieties or under all possible growing conditions. Under your growing conditions, a limited area involving only a few plants should be treated for tolerance evaluation prior to large-scale applications.

USE RATES

Apply **CRAB-BUSTER 2 F.G.** Lawn and Ornamental Herbicide with a properly calibrated spreader which will assure accurate, even particle distribution. This product may be applied as a single application or as a split application. Refer to the following table for product recommendations when treating a small area.

- **DO NOT** apply more than 0.55 lbs. of this product/1000 sq. ft. per application, and no more than 1.65 lbs. of this product /1000 sq. ft. per year.

Pounds Product/Acre*	Pounds Product/1000 Square Feet*	Ounces Product/100 Square Feet*
24	0.55	0.88 (25 grams)

* In New York, do not exceed 0.5 pounds active ingredient Dithiopyr per year and do not exceed 0.25 lbs active ingredient per year in Nassau and Suffolk Counties.

APPLICATION TIMING AND RECOMMENDATIONS

CRAB-BUSTER 2 F.G. Lawn and Ornamental Herbicide is a preemergence herbicide that will not control established weeds. Make applications prior to weed seed germination or to bare ground. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Prior to making an application, control existing vegetation by hand weeding, cultivation or with a postemergence herbicide. Once an application of this product has been made, do not disturb the soil surface as the herbicide barrier will be broken.

PRECAUTIONS

- Only apply this product to established ornamentals.
- Do not apply this product directly to bare root of ornamental plants as injury may result.
- Do not incorporate this product into soil. Dilution of active ingredient and possible injury to plant roots may occur.
- Do not apply to soil around ornamental plants that are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, nematodes or disease.
- To avoid foliar damage to ornamentals, irrigate immediately after application to remove herbicide particles from the foliage.
- Do not apply under conditions that would affect product distribution. Wind could affect distribution and move product onto sensitive species. Uneven product distribution will result in uneven weed control.
- Do not apply this product on grasses grown for seed.
- Do not graze livestock or feed forage cut from areas treated with this product.

TOLERANT ORNAMENTALS

When applied as directed under the conditions on this label, ornamentals listed below have shown tolerance in field trials. However, this product has not been tested on all cultivars of each species or under all possible growing conditions. Follow directions given above to determine plant tolerance under your growing conditions prior to large scale use.

COMMON NAME	BOTANICAL 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, Golden	<i>Thuja orientalis</i>	
Aster, Chinese	<i>Callistephus chinensis</i>	Dwarf Queen
Ash, Green	<i>Fraxinus pennsylvanica</i>	
Ash, Mountain	<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 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		Atropurplea
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		Jaconica
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 sasangua</i>	Debutante Mathotiana Supreme Chansonette
Candy Tuft	<i>Iberis spp.</i>	Snow White
Carex, Variegated	<i>Carex</i>	
Cedar, Red	<i>Juniperus virginiana</i>	
Celosia	<i>Celosia spp.</i>	
Centaurea	<i>Centaurea montana</i>	Scarlet Plumosa

Cockscomb, Plumosa	<i>Celosia cristata</i>	Red Kewpie
Coleus	<i>Coleus blumei</i>	
Columbine	<i>Agui legre spp.</i>	
Copper leaf	<i>Acalypha wilkesiana</i>	
Coreopsis	<i>Ceropsis spp.</i>	Moonbeam,
Corn Flower	<i>Centaurea spp.</i>	
Cotoneaster	<i>Cotoneaster apiculatus</i>	
Coyotebrush	<i>Baccharis pelularis</i>	
Cycads	<i>Cycads revoluta</i>	
Cypress, Bald	<i>Taxodium distichum</i>	
Cypress, Italian	<i>Cupressus sempervirens</i>	Glauca
Cypress, Japanese False	<i>Chamaecyparis obtusa</i>	Gracilis
Cypress, Levland	<i>Cupressocyparis levlundii</i>	
Daffodil	<i>Narcissus spp.</i>	King Alfred
Daylilly	<i>Heemerocallis spp.</i>	Aztec Gold Bright Yellow (Hybrid) Single Gold (Evergreen) Wilson's Yellow
Dianthis (Sweet William)	<i>Dithanthus spp.</i>	
Delphinium	<i>Delphinium spp.</i>	Magic fountain
Dogwood	<i>Cornus florida</i>	
Dogwood, American	<i>Cornus sericea</i>	Flavarimaea
Douglas Fir	<i>Pseudotsuga menziesii</i>	
Dusty Miller	<i>Senecio cineraria</i>	
Elm, Drake	<i>Ulmus parvifolia</i>	
Euonymus	<i>Euonymus fortunei</i>	Argenteo-variegata Aureo-marginata Colorata Emerald Gaiety Emerald 'N 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 fontiana</i>	Rainbow
Ficus	<i>Ficus retusa</i>	Nitidia
Fir Fraser	<i>Abies fraseri</i>	
Forsythia	<i>Forsythia X intermedia</i> <i>Spring Glory</i>	Arnold Dwarf Bronxensis Dwarf Lynwood Gold Meadowlark Weeping
Fuchsia	<i>Fuchsia spp.</i>	
Galium	<i>Galium Ordoratur:</i>	
Gardenia	<i>Gardenia jasminoides</i>	Mystery Radicans
Geranium	<i>Pelargonium X 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> <i>Ilex X attenuata</i>	Blue Boy Blue Girl Burfordii China Girl Compacta Forsteri Hellerie Japanese Northern Beauty Needlepoint Nellie R. Stevens Savanah
Holly, Chinese	<i>Ilex cornuta</i>	
Holly, Japanese	<i>Ilex crenata</i>	
Holly, Yaupon	<i>Ilex vomitoria</i>	
Honeysuckle	<i>Lonicera japonica</i>	Clavey's 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 sp.p</i>	Dwarf Blue Wedgewood
Ivy, English	<i>Hedera helix</i>	Bulgaria Thorndale
Jasmine, Asian	<i>Trachelopermum asiaticum</i>	
Juniper	<i>Juniperus spp.</i>	Arcadia Armstrong Bar Harbor
	<i>Juniperus horizontalis</i>	Blue Chip Blue Pacific Blue Rug

	<i>Juniperus horizontalis</i>	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 San Jose Sargent Blue Sargent Green Scandia Scopulorum Moonglow Scopulorum Skyrocket Spartan
	<i>Juniperus chinensis</i>	Tamariscifolia
	<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 Wheeler's Dwarf
Mock Orange*	<i>Philadelphus spp</i>	Golden Snowflake Double White
Mopnd Grass	<i>Ophiopogon japonicus</i>	
Moss Rose	<i>Portulaca grandiflora</i>	Sunnyside
Myrtle, Crape	<i>Lagerstoemia indica</i>	Faurei Langer Muskogee Standard Pink
Myrtle, Wax	<i>Myrica cerifer</i>	

Nadina	<i>Nadina 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 L	<i>Quercus virginiana</i>	
Oak, Willow	<i>Quercus phellos</i>	
Oleander	<i>Nerium oleander</i>	Hardy Red Petite Pink Sister Agnes
Oteospermum	<i>Osteospermum fruticosum</i>	Wirligig
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 fraseri</i>	
Pieris	<i>Pieris japonica</i>	
Pine, Australian	<i>Pinus nigra</i> <i>Pieris Taiwanensis</i>	
Pine, Japanese Black	<i>Pinus thumbergiana</i>	
Pine, Loblolly	<i>Pinus taeda</i>	
Pine, Longleaf	<i>Pinus palustris</i>	
Pine, Mugho	<i>Pinus mugho</i>	
Pine, Scotch	<i>Pinus sylvestris</i>	
Pine, Slash	<i>Pinus elliotii</i>	
Pine, Swiss Mt.	<i>Pinus mugo</i>	
Pine, Virginia	<i>Pinus virginiana</i>	
Pine, White	<i>Pinus strobus</i>	
Pineapple, Guava	<i>Feijoa fellowaiana</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 rammanzoffianum</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

Rodie Max (Rosebay)	<i>Rhododendron maximum</i>	
Rose	<i>Rosa banksiaae</i>	Luta
Rosemary*	<i>Rosmarinus officinalis</i>	
Rosemary, Bog	<i>Andromeda polifolia</i>	Nana
Salvia	<i>Salvia farinacea</i>	Rhea
Sedum	<i>Sedum spurium</i>	Dragon Blood Red Red Carpet Yellow
Snapdragon	<i>Antirrhinum spp.</i>	
Sourwood	<i>Oxydendrum arboreum</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 purzans</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
Verbana, Shrub	<i>Lantana sellowiana</i>	
Vervain	<i>Verbena spp.</i>	St. Paul
Viburnum	<i>Viburnum spp.</i>	American Cranberry Bush Arrowwood 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	<i>Ilex vomitoria</i>	Dwarf
Yew	<i>Taxus cuspidatra</i> <i>Taxus X media</i>	Denisiformis

*Ornamental species only: DO NOT USE ON FOOD PRODUCING TREES OR ORNAMENTALS.

WEEDS CONTROLLED

Used as directed, CRAB-BUSTER 2F.G. Lawn and Ornamental Herbicide will control or suppress the following annual grass and broadleaf weeds when applied prior to their emergence. This product will not control established grasses, except for crabgrass in early stages of development, and broadleaf weeds, therefore, the area to be treated should be free of weeds prior to application.

GRASSES

barley
Hordeum spp.
barnyardgrass
Echinochloa crus-galli
bluegrass, annual
Poa annua
brome
Bromus spp.
crabgrass, large
Digitaria sanguinalis
crabgrass, smooth
Digitaria ischaemum
crabgrass, Southern
Digitaria ciliaris
crowfootgrass
Dactyloctenium aegyptium
dallisgrass (seedling)
Paspalum dilatatum
goosegrass
Eleusine indica
foxtail, green
Setaria verti
foxtail, yellow
Setaria faberi
kikuyugrass
Pennisetum clandestinum
oats, wild
Avena fatua
ryegrass (annual & perennial)
Lolium spp.
smutgrass
Sporobolus poireti

BROADLEAF WEEDS

bittercress
Cardamine spp.
carpetweed
Mollugo verticillata
chickweed
Stellaria spp.
geranium, Carolina
Geranium carolinianum
henbit
Lamium spp.
knotweed, prostrate
Polygonum aviculare
lespedeza, common
Lespedeza striata
marestail
Conza canadensis
medic, black
Medicago lupulina
mustard
Brassica spp.
oxalis, buttercup
Oxalis pes-caprae
pineappleweed
Matricaria matricarioides
pigweed, redroot
Amaranthus retroflexus
parsley-piert
Alchemilla arvensis
purslane, common
Portulaca oleracea
rocket, London
Sisymbrium irio
shepherdspurse
Capsella bursa-pastoris
speedwell, corn
Veronica arvensis
spurge, garden
Euphorbia hirta
spurge, prostrate
Euphorbia humistrata
spurge, spotted
Euphorbia maculata
woodsorrel, creeping
Oxalis corniculata
woodsorrel, yellow
Oxalis stricta

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the area to be treated. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

CRAAB-BUSTER® is a registered trademark of Rohm and Haas Company.

Manufactured By:
Rohm and Haas Company
100 Independence Mall West
Philadelphia, Pennsylvania 19106-2399

PRODUCED IN THE U.S.A. OF
U.S. AND FOREIGN MATERIAL

-M2B
1/19/00
JW/rdm

M2a deleted restriction for use in New York Nassau and Suffolk CO.PENDING NY