



STATE OF HAWAII  
Department of Agriculture  
**ACCEPTED**  
LICENSE NO.  
**9394.43**

# ONE-SHOT™

**TURF SUPREME® 16-6-8 WITH  
TRIMEC® HERBICIDE AND DIMENSION®**

**ACTIVE INGREDIENTS:**

2,4-D .....	0.64%
Mecoprop-p .....	0.14%
Dicamba .....	0.06%
Dithiopyr .....	0.19%
OTHER INGREDIENTS: .....	98.97%
TOTAL .....	100.00%

**THIS PRODUCT CONTAINS:**

12.80 lbs. 2,4-dichlorophenoxyacetic acid equivalent per ton.  
2.80 lbs. (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per ton.  
1.20 lbs. 3,6-dichloro-o-anisic acid equivalent per ton.  
3.80 lbs dithiopyr per ton  
Isomer Specific by AOAC Methods  
Contains the single isomer form of Mecoprop-p.

EPA Reg. No. 2217-856-7001 EPA Est. No. 66196-CA-1

CAS Registry Numbers:  
2,4-D CAS No. 94-75-7  
Mecoprop-p CAS No. 16484-77-8  
Dicamba CAS No. 1918-00-9  
Dithiopyr CAS No. 97886-45-8

## GUARANTEED FERTILIZER ANALYSIS: 16-6-8

Total Nitrogen (N) .....	16.0%
16.0% Ammoniacal Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	6.0%
Soluble Potash (K <sub>2</sub> O) .....	8.0%
Sulfur (S) .....	16.0%
16.0% Combined Sulfur (S)	
Iron (Fe) .....	1.5%

Derived from Monoammonium Phosphate, Ammonium Sulfate, Muriate of Potash and Iron Oxysulfate.  
Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-jr.com>  
This product contains secondary nutrient iron. Iron may stain concrete and should not be applied on dry or water dampened concrete and should be removed from these areas promptly after application by sweeping or blowing. Do not wash off with water.

## KEEP OUT OF REACH OF CHILDREN CAUTION

NOTICE: Read the entire label. Use only according to label directions. Before using this product, read the Warranty Section elsewhere on this label. If terms are not acceptable, return the unopened container to once.

New York State: In New York State, dithiopyr is a restricted use product listed according to the Environmental Conservation Law, Section 326.2. This provision limits this product for use by commercial pesticide applicators only at no more than 6 lbs. of product per 1,000 sq. ft. per year (0.5 pound of dithiopyr per acre per year), and is prohibited from use in Nassau and Suffolk Counties. Use only according to label instructions.



READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

#### First Aid

<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information in case of emergency, call toll free 1-800-858-7378.

### 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 or runoff from treated turf may adversely affect nontarget plants and 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 target area. Do not contaminate water when disposing of equipment washwaters. For 2,4-D acid, MCPP-p acid and dicamba acid components: Drift or runoff from treated turf may adversely affect nontarget plants. 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 contaminate water when disposing of equipment washwaters. When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources.

### Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

**Re-entry Restrictions:** Do not enter or allow people or pets to enter the treated area until dusts have settled. If incorporation is accomplished by water-in, do not enter or allow others to enter the treated area until the surface is dry after water-in.

### Storage and Disposal

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

**STORAGE:** Keep in original container in a cool, dry area, away from extreme heat and direct sunlight. Do not store near food, feed, seeds or other pesticides.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Paper and plastic bags: Completely empty bag into application equipment. Then 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.

### GENERAL INFORMATION

BEST® One-Shot provides broad-spectrum control of broadleaf weeds and annual grasses in established cool season or warm season turfgrasses. This product is effective in controlling over 200 established broadleaf weeds, such as dandelion, thistle and clover. This product provides preemergent control of annual grass weeds including crabgrass, goosegrass and barnyardgrass when applied before the emergence of crabgrass from the soil in established lawns.

Also, this product can provide late preemergent or early post emergent control of crabgrass only. This early post emergent control is limited, and the crabgrass control can be obtained only when this product is applied before the tillering stage of crabgrass. Post emergent crabgrass control will be obtained only when this product is applied before the first tiller stage of crabgrass.

The benefit of this product's early post emergent activity is that the user may have a longer period of 2-4 weeks to make applications to control crabgrass.

### RESEEDING, OVERSEEDING, OR SPRIGGING

Reseeding, overseeding, or sprigging of treated areas within eight weeks after a single application of this product, or four months after the last application of a split application program totaling more than 1.25 lbs. dithiopyr per acre, may inhibit the establishment of desirable turfgrasses. Overseeding bermudagrass with perennial ryegrass may be made eight weeks after an application of this product.

For best results for annual grass control, cultural practices that disturb the soil, such as core-, spike-, or hydro-aeration, and verticutting, should be done before application of this product.

When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best results, use mechanical or power seeding equipment (silt seeders) designed to give good seed-to-soil contact.

### PREEMERGENT AND EARLY POSTEMERGENT CONTROL OF CRABGRASS (DITHIOPYR COMPONENT)

This product provides preemergent control of crabgrass (including the large, smooth, and southern species) when applied prior to the emergence of crabgrass in established lawns and ornamental turf.

This product can also provide early postemergent control of crabgrass only during the early stages of growth. Early postemergent crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf.

### POSTEMERGENT CONTROL OF BROADLEAF WEEDS

(2,4-D, MCPP-p and dicamba components)

This product provides postemergent control of more than 200 established broadleaf weeds. A partial list of broadleaf weeds is presented on this label. 2,4-D, MCPP-p and dicamba are common names for three herbicide components formulated and marketed as Trimec® Herbicide. These herbicides are absorbed through the leaves and translocated to the roots. For adequate weed control, this product must come into contact with the leaves of broadleaf weeds.

- Mow lawn to normal height 1 to 2 days before application.
- Water lawn thoroughly at least 1 day before application to sustain moisture until next watering.
- Apply when weeds are young and actively growing, preferably in the morning when dew is on the grass. If grass is not moist at time of application, sprinkle lightly with water to moist the material on the broadleaf weeds.

BEST® One-Shot is recommended for use on the following established turf species:

Established Cool Season Turfgrasses—Kentucky bluegrass, perennial ryegrass, fine fescues (red, chewings, and hard) and tall fescue, creeping bentgrass.

Established Warm Season Turfgrasses—Bahagrass, bermudagrass, buffalograss, centipedegrass, zoysiagrass, St. Augustinegrass.

- Do not use this product on colonial bentgrass, dichondra, carpetgrass, or turfgrass when desirable clovers are present.
- Do not use this product on 'Floratum' St. Augustinegrass.

The use of this product on certain varieties of fine fescues may result in undesirable turfgrass injury. Use of this product may result in undesirable injury on certain cultivars of fine fescues and not all cultivars have been tested. The following cultivars of fine fescues have demonstrated sensitivity to this product: 'Atlanta', 'Banner', 'Beauty', 'Biljart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf' and 'Waldina'.

Do not use this product on golf course putting greens.

### USE PRECAUTIONS AND RESTRICTIONS

- This product may be used on seeded, sodded or sprigged lawns that are well established. The grass should have developed good root system and have received three (3) mowings following its seeding, sodding, or sprigging before it can receive the first application of this product.
- The use of BEST® One-Shot on lawns and ornamental turfgrasses that are not well established, or have been weakened by stress due to mechanical operations, chemical injury, disease, insects, pests, excessive temperatures, or lack of moisture may increase the chances for turfgrass injury. Allow turfgrass weakened by these stresses to recover before application of this product.
- Do not use this product on flowers, vegetables, groundcovers, gardens or landscape plantings with shrubs and trees. Do not exceed specified dosage for any area.
- Do not reseed, overseed or sprig treated areas for 8 weeks after application.
- Do not use clippings from treated areas for composting and/or mulching vegetables or fruit trees.
- Do not contaminate domestic or irrigation waters.

Tips for improved control:

- For broadleaf weed control: Do not irrigate the lawn for one day (24 hours) after application. Rainfall or irrigation (greater than ½ inch) at 2-7 days after application may optimize the weed control.

- WEEDS CONTROLLED -			
When applied as directed, BEST® One-Shot will control and/or suppress* the following weeds:			
Annual Bluegrass* (Poa annua)	Barnyardgrass Annual Ryegrass Smutgrass (seedling)	Crowfootgrass Crabgrass (large, smooth, and Southern)	Foxtail (green and yellow) Goosegrass*

\*Suppression is denoted with an asterisk.

**Broadleaf Weeds:** Annual yellow sweetclover; Aster; Austrian fieldcress; Bedstraw; Beggarticks; Betony; Florida; Bindweed, field; Bird vetch; Bitter wintercress; Bittercress, hairy; Bitterweed; Black-eyed Susan; Black medic; Black mustard; Blackseed plantain; Blessed thistle; Bloodflower milkweed; Blue lettuce; Blue vervain; Bracted plantain; Brassbuttons; Bristly oxtongue; Broadleaf dock; Broadleaf plantain; Broomweed; Buckhorn; Buckhorn plantain; Bulbous buttercup; Bull thistle; Bullnettle; Burclover; Burdock; Burning nettle; Burweed; Buttercup; Buttonweed; Canada thistle; Carolina geranium; Carpetweed; Catchweed bedstraw; Catnip; Catsear; Chickweed, common; Chickweed, mouseear; Chicory; Cinquefoil; Clover, crimson; Clover, hop; Clover, red; Clover, strawberry; Clover, sweet; Clover, white; Cockle; Cocklebur; Common mullen; Creeping jenny; Cudweed; Curly dock; Daisy, English; Daisy fleabane; Daisy, oxeye; Dandelion; Dichondra; Dogfennel; Dollarweed; False dandelion; Falseflax; False sunflower; Fiddleneck; Florida pusley; Frenchweed; Galinsoga; Goathead; Goldenrod; Ground ivy; Gumweed; Hairy fleabane; Hawkweed; Healall; Heartleaf drymary; Heath aster; Hedge bindweed; Hedge mustard; Henbit; Hoary cress; Hoary plantain; Hoary vervain; Horsenettle; Jimsonweed; Knawel; Knotweed; Kochia; Lambsquarters; Lespedeza; Mallow; Matchweed; Mexicanweed; Milk vetch; Morningglory; Mouseear hawkweed; Mugwort; Musk thistle; Mustard; Narrowleaf plantain; Narrowleaf vetch; Nettle; Orange hawkweed; Oriental cocklebur; Oxalis; Parsley-piert; Parsnip; Pearlwort; Pennycress; Peppergrass; Pepperweed; Pigweed; Pineappleweed; Pineywoods bedstraw; Plains tickseed; Plantain; Poison ivy; Poison oak; Pokeweed; Poorjoe; Prairie sunflower; Prickly lettuce; Prickly sida; Prostrate knotweed; Prostrate pigweed; Prostrate spurge; Prostrate vervain; Puncturevine; Purslane, common; Ragweed; Red sorrel; Redroot pigweed; Redstem filaree; Rough cinquefoil; Rough fleabane; Russian pigweed; Scarlet pimpernel; Scotch thistle; Sheep sorrel; Shepherdspurge; Slender plantain; Smallflower galinsoga; Smooth dock; Smooth pigweed; Sorrel; Sowthistle; Spanishneedles; Speedwell; Spiny amaranth; Spiny cocklebur; Spiny sowthistle; Spotted catsear; Spotted spurge; Spurweed; Stinging nettle; Strawberry, India mock; Tall nettle; Tall vervain; Tansy ragwort; Tansy mustard; Tanweed; Thistle; Trailing crownvetch; Tumble sunflower; Tumble pigweed; Velvetleaf; Venice mallow; Virginia buttonweed; Virginia creeper; Virginia pepperweed; Wavyleaf bullthistle; Western clematis; Western salsify; White mustard; Wild aster; Wild buckwheat; Wild carrot; Wild four-o'clock; Wild garlic; Wild geranium; Wild lettuce; Wild marigold; Wild mustard; Wild onion; Wild parsnip; Wild radish; Wild rai; Wild sweet potato; Wild vetch; Woodsorrel; Woolly croton; Woolly morningglory; Woolly plantain; Wormseed; Yarrow; Yellow rocket; Yellowflower pepperweed and other broadleaf weeds.

### HOW TO APPLY BEST® One-Shot

This product may be applied as a single application or as split applications in the spring, early summer, or fall. This product should be applied before the germination of annual grasses.

### WHEN TO APPLY BEST® One-Shot

#### Spring Applications

Established Lawns: This product is a preemergent herbicide to control crabgrass (smooth and large) plus other susceptible annual grasses and postemergent control for broadleaf weeds. Application of this product must occur before the germination and emergence of the crabgrass and other annual grasses from the soil. For the best results in the spring, apply this product one to two (1-2) weeks before the expected emergence of crabgrass. Do not expect adequate control of crabgrass with single applications made later than four (4) weeks after germination.

When the period of germination for crabgrass and other weeds listed on this label extends into early summer, then a second application can be made at 6-10 weeks after the initial application. The duration of residual weed control from this product will be directly related to the total amount of product applied and the performance will vary by local conditions.

Newly Seeded Areas: When establishing a new lawn of Kentucky bluegrass, perennial ryegrass and/or tall fescue, and other turfgrass species, wait until the grass is well established (3 mowings) before applying this product.

Use Program 1 for preemergent control at sites where turfgrass is cut relatively high (e.g., residential lawns). This program provides three to five (3-5) months of preemergent crabgrass control. This program may also provide early post emergent control of crabgrass. However, post emergent crabgrass control will be obtained only when this product is applied before the first tiller stage of crabgrass.

Use Program 2 for preemergent control at sites where (a) turfgrass is cut relatively low (e.g., golf fairways), and (b) turfgrass maintenance or weed control has been conducted during the previous year. This program provides four to six (4-6) months of preemergent crabgrass control. This program may also provide early post emergent control of crabgrass. However, post emergent crabgrass control will be obtained only when this product is applied before the first tiller stage of crabgrass.

#### Use rate restrictions:

- New York State: In New York State, dithiopyr is a restricted use product listed according to the Environmental Conservation Law, Section 326.2. This provision limits this product for use by commercial pesticide applicators only at no more than 6 lbs. of product per 1,000 sq. ft. per year (0.5 pound of dithiopyr per acre per year), and is prohibited from use in Nassau and Suffolk Counties. Use only according to label instructions.
- The maximum application rate to turf is 1.3 pounds of 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

Table 1. Use rates for preemergent control of annual grasses and postemergent control of broadleaf weeds.

REGION	PROGRAM 1 (Lbs. Per 1,000 sq.ft.)	PROGRAM 2 (Lbs. Per 1,000 sq.ft.)
New York State only	3.0 Lbs.	4.5Lbs.
North	3.0 Lbs	4.5 lbs
Transition	4.5 Lbs	3.0 lbs + 3.0 lbs split application
South	3.0 lbs + 3.0 lbs split application	4.0 lbs + 4.0 lbs split application
Coastal South	3.5 lbs + 3.5 lbs split application	4.0 lbs + 4.0 lbs split application
West	3.0 lbs to 4.5 lbs	3.5 lbs + 3.5 lbs split application
North:	All states not included below.	
Transition:	DE, KS, KY, MD, MO, NJ, VA southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, NY, & RI.	
South:	AL, AR, GA, LA, MS, NC, NM, OK, SC, TN & TX.	
Coastal South:	HI, FL & southern coastal areas of AL, GA, LA, MS, NC, SC & TX.	
West:	AZ, CA & NV. In this climatically diverse region, use the higher rates in local areas with longer crabgrass seasons.	

**Fall Applications:** This product can also be applied in the late summer or early fall (late August through November) at the higher use rates listed in Program 2 of Table 1 to provide control of crabgrass through the early part of the next spring. The fall application may be followed by an appropriate spring application. Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control. Use the higher use rates when the expected weed infestations are dense when applications are made early, and/or longer residual control is desired (See Program 2 of Table 1).

**RAINFALL / IRRIGATION:** Do not irrigate the lawn for one day (24 hours) after application. Rainfall or irrigation (greater than ½ inch) at 2-7 days after application may optimize the weed control.

**APPLICATION EQUIPMENT:** 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. Avoid streaking, skips, or overlaps during application. Calibrate application equipment prior to usage, and apply this product uniformly over the turfgrass area.

Choose one of these application or distribution patterns:

- Single Pass** - Operate the equipment at intervals corresponding to the width or swath of the spreader. For drop spreaders, overlap the wheel tracks to ensure complete coverage. Close the spreader openings when turning to change directions or when stopping.
- Double Pass** - Reduce the application rate by one-half of the recommended rate, calibrate the spreader, and adjust the settings for the desired application rate. Operate the spreader over the lawn two (2) times. Close the spreader openings when turning to change directions or when stopping.
- Cross Hatching** - Reduce the application rate by one-half of the recommended rate, calibrate the spreader, and adjust the settings for the desired application rate. Operate the spreader over the lawn two (2) times. For the second trip, operate the spreader perpendicular to the wheel tracks or the spreader pattern of the first trip. Close the spreader opening when turning to change directions or when stopping.

### CALIBRATION INSTRUCTIONS:

- For 3.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 330 square feet and adjust to apply at the rate of 1 pound of product per 330 square feet.
- For 3.5 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 285 square feet and adjust to apply at the rate of 1 pound of product per 285 square feet.
- For 4.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 250 square feet and adjust to apply at the rate of 1 pound of product per 250 square feet.
- For 4.5 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 225 square feet and adjust to apply at the rate of 1 pound of product per 225 square feet.

### SPREADER SETTINGS

BEST Pro .....	4B
Spyker/BEST Models 34,44,64 .....	3,7
Earthway .....	12
Lesco .....	13
Scotts R-8A (Cone B) .....	J/2

The above spreader settings are approximate. The age and condition of spreader, speed of operation and evenness of terrain may require slightly different settings for desired coverage.

### WARRANTY

The Manufacturer warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions not reasonably foreseeable to Manufacturer, and Buyer assumes the risk of any such use.

### INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on this label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricane), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. All such risks shall be assumed by Buyer.

### LIMITATION OF REMEDIES

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following: 1. Refund of purchase price paid by Buyer or User for product bought, or 2. Replacement of amount of product used. Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

\*TRIMEC® is a registered trademark of pbi/GORDON Corporation.  
DIMENSION® is a registered trademark of Dow AgroSciences, L.L.C.

ONE SHOT (LABELS/BEST R1-21-04)

**Covers up to 12,500 sq.ft.  
50 LB. BAG (22.68 Kg.)**



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