

PM 23

100-849

5-28-98

1047



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

|                                     |              |
|-------------------------------------|--------------|
| <input type="checkbox"/>            | Registration |
| <input type="checkbox"/>            | Amendment    |
| <input checked="" type="checkbox"/> | Other        |

OPP Identifier Number  
 Notification

**Application for Pesticide - Section I**

|   |   |   |
|---|---|---|
| 1. Company/Product Number<br>100-849  | 2. EPA Product Manager<br>Joanne Miller   | 3. Proposed Classification<br><br><input type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Predict Herbicide (Additional Brand Name) for Solicam DF   | PM#<br>23   |   |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Novartis Crop Protection, Inc.<br>P. O. Box 18300<br>Greensboro, NC 27419<br><br><input type="checkbox"/> Check if this is a new address | 6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br><br>EPA Reg. No. _____<br>Product Name _____ |   |

**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.  |

**NOTIFICATION**  
**MAY 28 1998**

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

Note addition of two weeds to list of broadleaf weeds suppressed for field grown nursery stock use, Kochia and Lancelot Sage. Correct typographical error, the omission of a footnote to the site listing for cranberry. This notification is consistent with the provisions of PR Notice 95-2 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 any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 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. <b>Material This Product Will Be Packaged In:</b>  |   |  |  | 2. Type of Container  |                                     |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No   | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Metal<br><input type="checkbox"/>              |   | Plastic<br><input type="checkbox"/> |
| *Certification must be submitted  |   | If "Yes" Unit Packaging wgt. No. per container   | If "Yes" Unit Packaging wgt. No. per container |   | Glass<br><input type="checkbox"/>   |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container  |   | 4. Size(s) Retail Container  |  | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |                                     |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |   |  | <input type="checkbox"/> Other _____           |   |                                     |

**Section - IV**

|  |                                    |   |
|--|------------------------------------|---|
| 1. <b>Contact Point</b> (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) |                                    |   |
| Name<br>Thomas J. Parshley   | Title<br>Senior Regulatory Manager | Telephone No. (Include Area Code)<br>(910) 632-7207 |

**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.

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| 2. Signature<br>                    | 3. Title<br>Senior Regulatory Manager |
| 4. Typed Name<br>Thomas J. Parshley | 5. Date<br>May 14, 1998               |

|  |
|--|
| 6. Date Application Received (Stamped) |
|--|

2097

PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

PAPERWORK REDUCTION ACT NOTICE: Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

INSTRUCTIONS: This form is to be used for all applications for new registration, end use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

- 1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

Submission of Labeling - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

Submission of Data - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

SPECIFIC INSTRUCTIONS: Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with Now Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

Block A - Check the appropriate action for which you are submitting this form.

SECTION I - This section must be completed, as applicable, for all registration actions.

- 1. Company/Product Number - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. EPA Product Manager - If known, fill in the name and PM number of the EPA Product Manager.
3. Proposed Classification - Specify the proposed classification of this product.
4. Product Name - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. Name and Address of Applicant - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. Expedited Review - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

SECTION II - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

- 1. Subject of submission - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

SECTION III - (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with now registration or applicable amendments.

- 1. Type of Packaging - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. Type of Retail Container - Indicate type of container in which product will be marketed.
3. Location of Net Contents - Indicate the location of the net contents information for your product.
4. Size(s) of Retail Container - Specify the net contents of all retail containers for your product.
5. Location of Use Directions - Indicate the location of the use directions for your product.
6. Manner in which label is affixed to product - Indicated the method product label is attached to retail container.

SECTION IV (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., now products registration, resubmission, "me-too," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only

NOTIFICATION

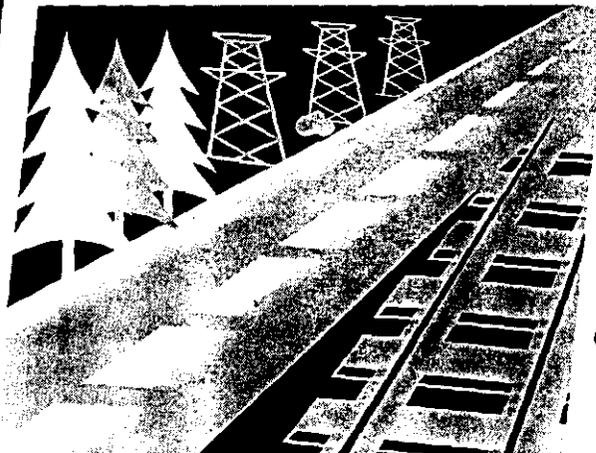
MAY 28 1998

3041

NOTIFICATION

MAY 28, 1998

# Predict®



## HERBICIDE

For control of grass and broadleaf weeds in field-grown nursery stock and non-cropland

KEEP OUT OF REACH OF CHILDREN.

### CAUTION

See additional precautionary statements on back panel.

**Active Ingredient:**

Norflurazon: 4-chloro-5-(methylamino)-2-( $\alpha$ ,  $\alpha$ ,  $\alpha$ -trifluoro-*m*-tolyl)-3-(2*H*)-pyridazinone ..... 78.6%\*

Inert Ingredients: ..... 21.4%

Total: ..... 100.0%

\*Based on technical active ingredient analysis by isomer specific method AM-0864. Previously 80% by method T-4295.

EPA Reg. No. 100-849

EPA Est. 55618-SC-001

PRODUCT ID.

# 435

25 POUNDS  
NET WEIGHT

 NOVARTIS

**DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY**

**IMPORTANT:** Read the entire *Directions for Use* and the *Conditions of Sale and Warranty* before using this product. If terms are not acceptable, return the unopened product container at once.

**CONDITIONS OF SALE AND WARRANTY**

The *Directions for Use* of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Novartis Crop Protection, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Novartis warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the *Directions for Use* subject to the inherent risks referred to above. **Novartis makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Novartis or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Novartis and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing *Conditions of Sale and Warranty*, which may be varied only by agreement in writing signed by a duly authorized representative of Novartis.

**GENERAL USE DIRECTIONS**

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

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

**AGRICULTURAL USE REQUIREMENTS**

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

**Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.** Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

Before applying Predict, read all directions and precautions appearing on the container label and this booklet.

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

**GENERAL INFORMATION**

Predict is a soil active herbicide for control of certain grasses and broadleaf weeds in field-grown nursery stock and noncroplands.

Predict must be moved into the weed seed germination zone to be effective. If no rainfall occurs within 4 weeks after application, the product must be activated by flood irrigation or sprinkler irrigation. Predict alone has no postemergence activity and will not control established weeds. Existing weeds must be mechanically removed or controlled by using a suitable postemergence herbicide.

Cover crops planted in treated areas must not be harvested, grazed, or fed to livestock.

**Precautions for Field-Grown Nursery Stock:** (1) To avoid plant injury, do not apply until the fall following the first full season of field growth after transplanting. (2) Use only on recommended plantings (see following list below) grown on medium- and fine-textured soils. **Do not use on coarse-textured soils.** (3) Caution should be taken when application is made to field-grown plants when roots are planted bound (i.e., in synthetic or burlap bags, etc.), so that herbicide does not channel directly into the root zone. (4) Wait at least 12 months before planting cotton or crops listed on this label. Other crops should not be planted in previously treated soil until a bioassay or test planting with the desired crop exhibits growth without chlorosis for 4 months after emergence. (5) Do not apply to erodible soils which may wash into the root zone of sensitive plants.

**DIRECTIONS FOR FIELD-GROWN NURSERY STOCK APPLICATIONS**

Apply Predict before weeds emerge. If weeds have germinated prior to the application of Predict, a contact or burndown herbicide must be used (see tank mix instructions below).

*The soil should be settled and firm at the time of application.*

Apply as a directed spray. Avoid contact with foliage. Make only one application per year.

Do not apply this product through any type of irrigation system, or contaminate irrigation ditches or water used for domestic purposes.

Apply the recommended rate of Predict in 20-100 gals. of water per acre.

**Equipment**

Predict should be applied using an accurately calibrated fixed boom sprayer. Filters with screen sizes of 50-mesh or larger should be used.

**Mixing Instructions**

Clean and calibrate the sprayer. Add Predict to the spray tank already filled with the required volume of water. This will eliminate or minimize foaming. Maintain agitation while filling and spraying. If a bypass line is used, discharge at the bottom of the tank to further minimize foaming.

Do not allow Predict spray mixture to remain in the spray tank overnight, because settling will occur and resuspension will be difficult.

**Tank Mix Recommendations for Field-Grown Nursery Stock**

Tank-mix combinations may be desired for broader spectrum preemergence control or postemergence control of emerged weeds. Predict may be tank mixed with other EPA-registered herbicides in accordance with all directions, precautions, limitations, and recommendations on the label of the tank-mix partner, after a compatibility test has shown that no formulation compatibility problem(s) exist (see **Compatibility Test** section).

**Note:** Predict may not always be compatible with formulations of DNA herbicides.

Products should be added to the spray tank in the following order:

1. Wettable powders and water-dispersible granules: wettable powders should be premixed in a small amount of water; water-dispersible granules should be added during filling. Allow both to disperse before other products are added. The order of addition is not important.
2. Flowable liquids.

- Emulsifiable concentrates.
- Surfactants: Begin adding wettable powders, flowable liquids, emulsifiable concentrates, and surfactants after the spray tank is 3/4 full. Continue agitation during the addition of all the materials and while filling and spraying.

**Compatibility Test**

Before mixing in the spray tank, it is advisable to test compatibility by mixing all components in a small container in proportionate quantities (see following table).

| Herbicide Formulations | Amount of Herbicide to Add to One Pt. of Spray Carrier (Assuming Volume is 25 Gals./A) |                 |
|------------------------|--|-----------------|
|                        | Rate Per Acre  | Level Teaspoons |
| Dry                    | 1 lb.  | 1.5             |
| Liquid                 | 1 pt.  | 0.5             |

If herbicide(s) do not ball-up or form flakes, sludge, gels, oily films or layers, or other precipitates, then the tested spray mix is compatible. Usually, incompatibility in any of the above described forms will occur within 5 minutes after mixing.

If components are incompatible, the use of a compatibility agent approved for agricultural use is recommended. Rerun the above compatibility test with a suitable compatibility agent (1/4 teaspoon is equivalent to 2 pts./100 gals. of spray carrier).

**Broadcast Rates**

Apply 3 lbs. of product per acre in the fall or spring.

**Strip or Band Treatment**

When applying a strip treatment of Predict, the following formula may be used to calculate the amount per acre:

$$\frac{\text{Width of strip in ft.}}{\text{Distance between rows in ft.}} \times \text{Lbs. per acre for broadcast treatment} = \text{Lbs. per acre for strip treatment}$$

**RECOMMENDATIONS FOR FIELD-GROWN NURSERY STOCK CROPS**

Apply Predict to these species of trees and shrubs as recommended above:

|                    |   |
|--------------------|---|
| Apple              | <i>Malus</i>                            |
| Blueberry          | <i>Vaccinium</i>                        |
| Citrus             | <i>Citrus</i>                           |
| Crabapple*         | <i>Malus</i>                            |
| Cranberry* X       | <i>Viburnum</i>                         |
| Filbert            | <i>Corylus</i>                          |
| Pear               | <i>Pyrus</i>                            |
| Pecan              | <i>Carya</i>                            |
| Walnut             | <i>Juglans</i>                          |
| Boxwood, Korean    | <i>Buxus harlandii</i>                  |
| Cypress, Bald      | <i>Taxodium distichum</i>               |
| Dogwood            | <i>Cornus</i>                           |
| Holly,             |   |
| Green Luster       | <i>Ilex crenata</i> 'Green Luster'      |
| East Palaka        | <i>I. opaca</i> 'East Palaka'           |
| American Greenleaf | <i>I. X</i> 'American Greenleaf'        |
| Foster             | <i>I. X</i> 'Foster'                    |
| Nellie Stevens     | <i>I. X</i> 'Nellie Stevens'            |
| Savannah           | <i>I. X</i> 'Savannah'                  |
| Juniper,           |   |
| Andora Creeping    | <i>Juniperus horizontalis</i> 'Plumosa' |
| Burki              | <i>J. virginiana</i> 'Burki'            |
| Fastigata          | <i>J. fastigata</i>                     |
| Magnolia, Southern | <i>Magnolia grandiflora</i>             |
| Maple, Red         | <i>Acer rubrum</i>                      |
| Myrtle, Crepe      | <i>Lagerstroemia indica</i>             |
| Oak,               |   |
| Pin                | <i>Quercus palustris</i>                |
| Willow             | <i>Q. phellos</i>                       |
| Poplar, Tulip      | <i>Liriodendron tulipifera</i>          |
| Sycamore, American | <i>Platanus occidentalis</i>            |

\*Fruit is not to be used for feed and/or human consumption.

**WEEDS CONTROLLED AT FIELD-GROWN NURSERY STOCK RATES**

Predict at recommended rate controls the following weeds:

**Broadleaf Weeds (Dicotyledons)**

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Carolina Geranium (wild)          | <i>Geranium carolinianum</i>     |
| Carpetweed                        | <i>Mullugo verticillata</i>      |
| Common Chickweed                  | <i>Stellaria media</i>           |
| Desert Rockpurslane (Redmaids)    | <i>Calandrinia ciliata</i>       |
| Dogfennel                         | <i>Eupatorium capillifolium</i>  |
| Falsedandelion (Smooth Cat's Ear) | <i>Pyrrhopappus carolinianus</i> |
| Fiddleneck                        | <i>Amsinckia intermedia</i>      |
| Filaree*                          | <i>Erodium</i> spp.              |
| (Redstem and Whitestem)           |                                  |
| Little Mallow (Cheeseweed)        | <i>Malva parviflora</i>          |
| London Rocket                     | <i>Sisymbrium irio</i>           |
| Pigweeds                          | <i>Amaranthus</i> spp.           |
| Pineapple Weed                    | <i>Matricaria matricarioides</i> |
| Prickly Sida                      | <i>Sida spinosa</i>              |
| Prostrate Spurge                  | <i>Euphorbia humistrata</i>      |
| Puncturevine                      | <i>Tribulus terrestris</i>       |
| Purselane                         | <i>Portulaca oleracea</i>        |
| Purple Cudweed                    | <i>Gnaphalium purpureum</i>      |
| Shepherdspurge                    | <i>Capsella bursa-pastoris</i>   |
| Spurred Anoda                     | <i>Anoda cristata</i>            |
| Stinging Nettle                   | <i>Urtica dioica</i>             |
| Tropic Croton                     | <i>Croton glandulosus</i>        |
| Tumble Mustard                    | <i>Sisymbrium altissimum</i>     |
| Velvetleaf                        | <i>Abutilon theophrasti</i>      |
| Wild Buckwheat                    | <i>Polygonum convolulus</i>      |

\*Treat prior to germination and incorporate with water on medium soils if necessary for adequate control.

**Grass and Sedge Weeds (Monocotyledons)**

|                                    |                                |
|------------------------------------|--------------------------------|
| Annual Bluegrass                   | <i>Poa annua</i>               |
| Annual Sedge                       | <i>Cyperus compressus</i>      |
| Bahiagrass (seedling)              | <i>Paspalum notatum</i>        |
| Barnyardgrass                      | <i>Echinochloa crus-galli</i>  |
| Broadleaf Signalgrass              | <i>Brachiaria platyphylla</i>  |
| Brome                              | <i>Bromus</i> spp.             |
| Cheat                              | <i>Bromus secalinus</i>        |
| Crabgrass                          | <i>Digitaria</i> spp.          |
| Downy Brome                        | <i>Bromus tectorum</i>         |
| Fall Panicum                       | <i>Panicum dichotomiflorum</i> |
| Feather Fingergrass                | <i>Chloris virgata</i>         |
| Foxtails                           | <i>Setaria</i> spp.            |
| Goosegrass                         | <i>Eleusine indica</i>         |
| Italian Ryegrass (Annual Ryegrass) | <i>Lolium multiflorum</i>      |
| Johnsongrass (seedling)            | <i>Sorghum halepense</i>       |
| Sandbur                            | <i>Cenchrus longispinus</i>    |
| Sixweeks Grama                     | <i>Bouteloua barbata</i>       |
| Southwestern Cupgrass              | <i>Eriochloa gracilis</i>      |
| Tall Fescue                        | <i>Festuca arundinacea</i>     |
| Texas Panicum                      | <i>Panicum texanum</i>         |
| Wild Barley                        | <i>Hordeum leporinum</i>       |
| Wild Onion                         | <i>Allium canadense</i>        |
| Witchgrass                         | <i>Panicum capillare</i>       |

Predict applied at recommended rates suppresses the following grass and broadleaf weeds:

|                                |                                 |
|--------------------------------|---------------------------------|
| Bermudagrass                   | <i>Cynodon dactylon</i>         |
| Camphorweed                    | <i>Heterotheca subaxillaris</i> |
| Cocklebur                      | <i>Xanthium strumarium</i>      |
| Common Lambsquarters           | <i>Chenopodium album</i>        |
| Common Ragweed                 | <i>Ambrosia artemisiifolia</i>  |
| Florida pusley                 | <i>Richardia scabra</i>         |
| Goldenrod                      | <i>Solidago altissima</i>       |
| Groundsel                      | <i>Senecio vulgaris</i>         |
| Hairy Fleabane                 | <i>Conyza bonariensis</i>       |
| (Flax-leaved Fleabane)         |                                 |
| Henbit                         | <i>Lamium amplexicaule</i>      |
| Horseweed (Marestail)          | <i>Conyza canadensis</i>        |
| Johnsongrass (rhizome)         | <i>Sorghum halepense</i>        |
| Kochia                         | <i>Kochia scoparia</i>          |
| Lanceleaf Sage                 | <i>Salvia retroflexa</i>        |
| Morningglory                   | <i>Ipomoea</i> spp.             |
| Natalgrass (seedling)          | <i>Rhynchelytrum repens</i>     |
| Nutsedge                       | <i>Cyperus</i> spp.             |
| Orchardgrass                   | <i>Dactylis glomerata</i>       |
| Pangolagrass (seedling)        | <i>Digitaria decumbens</i>      |
| Pennsylvania Smartweed         | <i>Polygonum pennsylvanicum</i> |
| Plaintains                     | <i>Plantago</i> spp.            |
| (Bracted and Buckhorn)         |                                 |
| Poorjoe                        | <i>Diodia teres</i>             |
| Quackgrass                     | <i>Agropyron repens</i>         |
| Russian thistle                | <i>Salsola iberica</i>          |
| Silverleaf Nightshade          | <i>Solanum elaeagnifolium</i>   |
| (White Horsenettle)            |                                 |
| Sowthistle                     | <i>Sonchus oleracea</i>         |
| Spotted Spurge                 | <i>Euphorbia maculata</i>       |
| Vaseygrass                     | <i>Paspalum urvillei</i>        |
| Wirestem Muhly (Western Muhly) | <i>Muhlenbergia frondosa</i>    |

### DIRECTIONS FOR NONCROPLANDS

Predict may be used for preemergence weed control in noncropland areas including: industrial sites, right-of-way (highway, pipeline, railroad, or utility), wasteland, and other noncropland areas. Do not apply to erodible soils which may wash into the root zone of sensitive plants.

Use Predict at a rate of 2.5-5 lbs. of product per treated acre for non-cropland areas. Higher rates within the range should be used for fine-textured soils and where longer residual is desired.

Apply the recommended rate of Predict in 20-100 gals. of water per acre.

Since Predict is a preemergence herbicide it must be applied to the soil surface before weeds germinate. Existing weeds should be mechanically removed or controlled with a suitable postemergence herbicide. Predict must be incorporated into the soil by rainfall or irrigation within 4 weeks of application for best weed control.

#### Tank-mix recommendations for noncroplands

Tank-mix combinations may be desired for broader spectrum preemergence control or postemergence control of emerged weeds or brush. Predict may be tank mixed with other EPA-registered herbicides in accordance with all directions, precautions, limitations, and recommendations on the label of the tank-mix partner, after a compatibility test has shown that no formulation compatibility problem(s) exist (see **Compatibility Test** section).

**Note:** Predict may not always be compatible with formulations of DNA herbicides.

### WEEDS CONTROLLED AND SUPPRESSED IN NONCROPLANDS

Predict at recommended rates controls the following weeds:

#### Broadleaf Weeds (Dicotyledons)

|                                |                                  |
|--------------------------------|----------------------------------|
| Annual Sedge                   | <i>Cyperus compressus</i>        |
| Camphorweed                    | <i>Heterotheca subaxillaris</i>  |
| Carolina Geranium (wild)       | <i>Geranium carolinianum</i>     |
| Common Chickweed               | <i>Stellaria media</i>           |
| Common Ragweed                 | <i>Ambrosia artemisiifolia</i>   |
| Desert Rockpurslane (redmaids) | <i>Calandrinia ciliata</i>       |
| Dogfennel                      | <i>Eupatorium capillifolium</i>  |
| Falsedandelion                 | <i>Pyrrhopappus carolinianus</i> |
| (Smooth Cat's Ear)             |                                  |
| Fiddleneck                     | <i>Amsinckia intermedia</i>      |
| Filaree*                       | <i>Erodium</i> spp.              |
| (Redstem and Whitestem)        |                                  |
| Goldenrod                      | <i>Solidago altissima</i>        |
| Little Mallow (cheeseweed)     | <i>Malva parviflora</i>          |
| London Rocket                  | <i>Sisymbrium irio</i>           |
| Pineapple Weed                 | <i>Matricaria matricarioides</i> |
| Prostrate Spurge               | <i>Euphorbia humistrata</i>      |
| Puncturevine                   | <i>Tribulus terrestris</i>       |
| Purple Cudweed                 | <i>Gnaphalium purpureum</i>      |
| Shepherdspurge                 | <i>Capsella bursa-pastoris</i>   |
| Spreading Dayflower            | <i>Commelina diffusa</i>         |
| Stinging Nettle                | <i>Urtica dioica</i>             |
| Tumble Mustard                 | <i>Sisymbrium altissimum</i>     |
| Wild Buckwheat                 | <i>Polygonum convolvulus</i>     |

\*Treat prior to germination and incorporate with water on medium soils if necessary for adequate control.

#### Grass and Sedge Weeds (Monocotyledons)

|                          |                                 |
|--------------------------|---------------------------------|
| Annual Bluegrass         | <i>Poa annua</i>                |
| Annual Sedge             | <i>Cyperus compressus</i>       |
| Bahiagrass (seedling)    | <i>Paspalum notatum</i>         |
| Barnyardgrass            | <i>Echinochloa crus-galli</i>   |
| Bearded Sprangletop      | <i>Leptochloa fascicularis</i>  |
| Broadleaf Signalgrass    | <i>Brachiaria platyphylla</i>   |
| Cheat                    | <i>Bromus secalinus</i>         |
| Crabgrass                | <i>Digitaria</i> spp.           |
| Crowfootgrass (seedling) | <i>Dactyloctenium aegyptium</i> |
| Downy Brome              | <i>Bromus tectorum</i>          |
| Fall Panicum             | <i>Panicum dichotomiflorum</i>  |
| Feather Fingergrass      | <i>Chloris virgata</i>          |
| Foxtails                 | <i>Setaria</i> spp.             |
| Goosegrass               | <i>Elyusine indica</i>          |
| Guineagrass (seedling)   | <i>Panicum maximum</i>          |
| Italian Ryegrass         | <i>Lolium multiflorum</i>       |
| (Annual Ryegrass)        |                                 |
| Johnsongrass (seedling)  | <i>Sorghum halepense</i>        |
| Natalgrass (seedling)    | <i>Rhynchelytrum repens</i>     |
| Pangolagrass (seedling)  | <i>Digitaria decumbens</i>      |
| Sandbur                  | <i>Cenchrus longispinus</i>     |
| Sixweeks Grama           | <i>Bouteloua barbata</i>        |
| Southwestern Cupgrass    | <i>Eriochloa gracilis</i>       |
| Tall Fescue              | <i>Festuca arundinacea</i>      |
| Texas Panicum            | <i>Panicum texanum</i>          |
| Vaseygrass (seedling)    | <i>Paspalum urvillei</i>        |
| Wild Barley              | <i>Hordeum leporinum</i>        |
| Wild Onion               | <i>Allium canadense</i>         |
| Witchgrass               | <i>Panicum capillare</i>        |

Predict applied at recommended rates suppresses the following weeds:

|  |                               |
|--|-------------------------------|
| Bermudagrass                                     | <i>Cynodon dactylon</i>       |
| Common Lambsquarters                             | <i>Chenopodium album</i>      |
| Common Purslane                                  | <i>Portulaca oleracea</i>     |
| Florida Pusley                                   | <i>Richardia scabra</i>       |
| Groundsel  | <i>Senecio vulgaris</i>       |
| Hairy Fleabane<br>(Flax-leaved Fleabane)         | <i>Conyza bonariensis</i>     |
| Henbit   | <i>Lamium amplexicaule</i>    |
| Horseweed (Marestail)                            | <i>Conyza canadensis</i>      |
| Johnsongrass (rhizome)                           | <i>Sorghum halepense</i>      |
| Nutsedge   | <i>Cyperus</i> spp.           |
| Orchardgrass                                     | <i>Dactylis glomerata</i>     |
| Pigweeds (Redroot, Tumble and<br>Green Amaranth) | <i>Amaranthus</i> spp.        |
| Plaintains<br>(Bracted and Buckhorn)             | <i>Plantago</i> spp.          |
| Poorjoe  | <i>Diodia teres</i>           |
| Russian Thistle                                  | <i>Salsola iberica</i>        |
| Quackgrass                                       | <i>Agropyron repens</i>       |
| Silverleaf Nightshade                            | <i>Solanum elaeagnifolium</i> |
| Sowthistle                                       | <i>Sonchus oleracea</i>       |
| Torpedograss                                     | <i>Panicum repens</i>         |
| Wirestem Muhly (Western Muhly)                   | <i>Muhlenbergia frondosa</i>  |

## STORAGE AND DISPOSAL

### Storage

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

### Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If waste cannot be disposed of by use of label instructions, contact your state pesticide or environmental control agency or hazardous waste representative at the nearest EPA Regional Office for guidance.

### Container Disposal

Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing. In case of skin or eye contact, flush with plenty of water.

### Statement of Practical Treatment

**If in eyes:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If swallowed:** Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

### Personal Protective Equipment

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Controls Statements

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

### User Safety Recommendations

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor run-off or drift from treated areas. Do not contaminate water when disposing of equipment wash waters.

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