



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

352-637

Date of Issuance:

6/30/05

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

DuPont Provaunt 1.25 SC

Name and Address of Registrant (include ZIP Code):

E.I. du Pont de Nemours and Co.  
1090 Elkton Road  
P.O. Box 30  
Newark, DE 19714-0030

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Submit a revised basic and alternate Confidential Statement of Formula (CSF) with the correct registration number in box 4.
3. Submit a turf dissipation study for this product within 180 days from the date of this letter.

Signature of Approving Official:

Date:

John Hebert, Product Manager (07)  
Insecticide-Rodenticide Branch, Registration Division (7505C)

4. Make the following label changes before you release the product for shipment:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 352-637."
  - b. Revise the first sentence under Environmental Hazards to read, "This pesticide is toxic to mammals, birds, fish, and aquatic invertebrates."
  - c. Add the following surface water and ground water advisories:

**"Surface Water Advisory**

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination."

**"Groundwater Advisory**

This chemical has properties and characteristics associated with chemicals detected in groundwater. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination."

- d. Under "General Information", delete the following phrase appearing in the second paragraph in the second sentence, "has a unique mode of action and". Non-specific words without valid comparison are not allowed.
5. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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 constitutes acceptance of these conditions.

A stamped copy of the label, the occupational/post-application exposure risk assessment, and two signed pages of the Environmental Fate and Effects Division (EFED) risk assessment are enclosed for your records. The entire EFED risk assessment will be sent electronically. If you have any questions please contact Ann Hanger at (703) 306-0395 or [hanger.ann@epa.gov](mailto:hanger.ann@epa.gov)

John Hebert  
Product Manager (07)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosures (4)

3/7

# DuPont™ Provaunt™ 1.25SC insecticide

A suspension concentrate insecticide for the control of lepidopterous larvae (including armyworms, cutworms, sod webworms, fall webworms, gypsy moth caterpillars, tussock moth caterpillars and yellownecked caterpillars infesting landscape and recreational (including golf courses) turfgrass and landscape ornamentals.

<i>Active Ingredient</i>	<i>By Weight</i>
Indoxacarb*	
(S)-methyl 7-chloro-2,5-dihydro-2-[[[(methoxycarbonyl)[4(trifluoromethoxy)phenyl]amino]carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a-(3H)-carboxylate	14.5%
<i>Other ingredients</i>	85.5%
TOTAL	100.0%

Contains 1.25 pounds of active ingredient per gallon  
\*Indoxacarb belongs to the oxadiazine chemical class.

EPA Reg. No. 352-XXX  
NET CONTENTS: \_\_\_\_\_  
Establishment No.:

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**  
JUN 30 2005  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
352-637

## KEEP OUT OF REACH OF CHILDREN CAUTION FIRST AID

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or a doctor. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

For information on the use of this product call DuPont Professional Products at 1-888-6-DUPONT (1-888-638-7668).

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMAL CAUTION

Caution: Harmful if swallowed. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Harmful if inhaled. Avoid breathing (dust, vapor or spray mist). Remove contaminated clothing and wash clothing before reuse.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

(Cont'd Next Page)

4/7

## PRECAUTIONARY STATEMENTS

(Cont'd)

### PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for Category A on the EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical Resistant Gloves Category A (such as butyl rubber, natural rubber, neoprene rubber or nitrile rubber), all > 14 mls.
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

### 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.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. 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 contaminate water when disposing of equipment rinsewater. Do not apply where/when conditions could favor runoff. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

## 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 plants being grown for sale or other commercial use, or for commercial seed production.
- Do not formulate this product into other end-use products
- Do not apply this product through any type of irrigation system.
- Do not apply this product in commercial nurseries and greenhouses or on sod farms.
- Do not apply more than 45 fluid ounces (equivalent to 0.44 lb of active ingredient) of product per acre per season in broadcast applications to turfgrass.
- Wait a minimum of 7 days to retreat.
- Always shake container well before use.
- Keep people and pets away from treated areas until treatment has dried.

DuPont™ PROVAUNT™ 1.25SC insecticide should be used only in accordance with recommendations on this label or in separate DuPont supplemental labeling that may be made temporarily available through local distributors, as a result of new EPA approvals.

DuPont will not be responsible for losses or damages resulting from the use of this product in any manner not specifically recommended by DuPont. User assumes all risks associated with such non-recommended use.

## GENERAL INFORMATION

PROVAUNT™ 1.25SC insecticide is a suspension concentrate that may be applied as a foliar or broadcast spray to control lepidopterous larvae (such as armyworms, cutworms, sod webworms, fall webworms, gypsy moth caterpillars, tussock moth caterpillars, yellownecked caterpillars, and others) on landscape and recreational (including golf course) turfgrass and landscape ornamentals including trees, shrubs, foliage plants, flowers and non-bearing fruit and nut trees, which will not produce a raw agricultural commodity during the season of application.

PROVAUNT™ 1.25SC insecticide may only be used on plants or turfgrasses that are being grown for aesthetic or recreational purposes or climatic modification in or around home lawns, residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, interior plantscapes, ornamental gardens, parks, playgrounds, schools, golf courses (tee box areas, roughs, fairways, greens, collars etc.), athletic fields and other landscaped areas.

PROVAUNT™ 1.25SC insecticide has a unique mode of action and may be used in rotational resistance management programs. PROVAUNT™ 1.25SC insecticide must be diluted with water before application.

## INTEGRATED PEST MANAGEMENT (IPM) PROGRAMS

PROVAUNT™ 1.25SC insecticide is recommended for IPM programs on turf and landscape ornamentals because it does not directly impact natural arthropod predator and parasitoid populations including ladybird beetles, lacewings, minute pirate bugs and predatory mites. The feeding behavior of predatory beneficial arthropods will aid in extending natural control of other insect and mite pests and will reduce the possibility of secondary pest outbreaks. PROVAUNT™ 1.25SC insecticide will reduce the target pest species that may serve as a food source for beneficial arthropods. If PROVAUNT™ 1.25SC insecticide is tank-mixed with an insect control product that negatively impacts beneficial arthropods, then the full benefit of PROVAUNT™ 1.25SC insecticide to the IPM program may not be realized.

## APPLICATION TIMING

PROVAUNT™ 1.25SC insecticide applications should target eggs and small instar lepidopterous larvae. Use sufficient water to obtain thorough, uniform coverage. Repeat applications may be made after 7 days, if necessary.

## APPLICATION EQUIPMENT PREPARATION

Application equipment must be clean and free of previous pesticide deposits before mixing PROVAUNT™ 1.25SC insecticide.

5/7

**Mixing Directions:**

1. Use clean, well maintained application equipment.
2. Fill sprayer tank 1/4 to 1/2 full of water.
3. Shake the container of PROVAUNT™ 1.25SC well before pouring.
4. Then add DuPont™ PROVAUNT™ 1.25SC insecticide directly to the sprayer tank.
5. Mix thoroughly to fully disperse the insecticide and continue agitation to keep the insecticide in suspension. Use mechanical or hydraulic agitation. Do not use air agitation.
6. The mixture should not be stored in the spray tank overnight.

**Tank-mixtures:**

Provaunt™ 1.25SC insecticide may be tank-mixed with other pesticides. When tank-mixing PROVAUNT™ 1.25SC insecticide with other pesticides, observe all precautions and limitations on each separate product label. No label application rates may be exceeded. PROVAUNT™ 1.25SC insecticide cannot be mixed with any product containing a label prohibition against such mixing. The physical compatibility of PROVAUNT™ 1.25SC insecticide may vary with different sources of pesticide products and local cultural practices. Any tank-mixture that has not been previously tested should be prepared on a small scale (pint or quart jar) using the proper proportions of pesticides and water to ensure the physical compatibility of the mixture.

**Tank-mixing Sequence:**

Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water soluble bags
2. Water dispersible granules
3. Wettable powders
4. Water-based suspension concentrates
5. Water soluble concentrates
6. PROVAUNT™ 1.25SC insecticide and other oil-based suspension concentrates
7. Emulsifiable concentrates
8. Adjuvants, surfactants, oils
9. Soluble fertilizers
10. Drift retardants

**APPLICATION RATES FOR LAWNS, GOLF COURSES AND OTHER RECREATIONAL TURFGRASS AREAS**

To ensure optimum control of lepidopterous larvae, delay watering (irrigation) and mowing for 24 hours after application. If the grass area is being maintained at a mowing height of greater than 1 inch, then the higher application rate (0.25 fluid ounces per 1,000 square feet) may be required during periods of high pest pressure. For maximum residual effectiveness, PROVAUNT™ 1.25SC insecticide may be applied at up to 0.5 fluid ounces per 1,000 square feet (= approximately 22 fluid ounces per acre or 0.22 lb AI/A).

**APPLICATION DILUTION CHART**

Application Volume (Gallons per 1,000 Square Feet)	Application Rate (Fluid Ounces per 1,000 Square Feet)	Fluid ounces of PROVAUNT™ 1.25SC insecticide diluted to these volumes of finished spray			
		1 gallon	5 gallons	10 gallons	100 gallons
1.0	0.0625	0.0625	0.3125	0.625	6.25
1.0	0.125	0.125	0.625	1.25	12.5
1.0	0.25	0.25	1.25	2.5	25
2.0	0.0625	0.03125	0.156	0.3125	3.125
2.0	0.125	0.0625	0.3125	0.625	6.25
2.0	0.25	0.125	0.625	1.25	12.5
3.0	0.0625	0.0208	0.104	0.208	2.08
3.0	0.125	0.0417	0.208	0.417	4.17
3.0	0.25	0.083	0.417	0.833	8.33
4.0	0.0625	0.0156	0.078	0.156	1.56
4.0	0.125	0.03125	0.156	0.3125	3.125
4.0	0.25	0.0625	0.3125	0.625	6.25
5.0	0.0625	0.0125	0.0625	0.125	1.25
5.0	0.125	0.025	0.125	0.25	2.5
5.0	0.25	0.05	0.25	0.5	5.0
10.0	0.0625	0.0063	0.03125	0.0625	0.625
10.0	0.125	0.0125	0.0625	0.125	1.25
10.0	0.25	0.025	0.125	0.25	2.5

- To convert from fluid ounces to milliliters, multiply by 29.57.
- 1 fluid ounce = 29.57 ml = 2 tablespoons = 6 teaspoons
- Do not use household utensils to measure PROVAUNT™ 1.25SC insecticide

6/7

**PROVAUNT™ 1.25SC Insecticide Application Rates**

Target Pest	Product per 1,000 Square Feet	Product per Acre	lb AI/A
Lepidopterous larvae (including armyworms, cutworms and sod webworms)	0.0625 to 0.25 Fluid Ounces	2.75 to 11.0 Fluid Ounces (approximately)	0.0266 to 0.1063

**APPLICATION RATES FOR ORNAMENTAL PLANTS (EXTERIOR LANDSCAPES AND INTERIOR PLANTSCAPES)**

Apply the desired application rate of DuPont™ PROVAUNT™ 1.25SC insecticide as a full coverage foliar spray. Repeat treatment as necessary to achieve control using higher application rates as pest pressure and foliage area increases. Repeat applications must be limited to no more than once per seven days. Certain plant species or cultivars may be sensitive to the final spray solution. If local experience is not available, then a small number of plants should be treated and observed for phytotoxicity for at least one week before making application to the entire planting.

**PROVAUNT™ 1.25SC insecticide Ornamental Application Rates**

Target Pests	Product per 100 Gallons	lb AI per 100 Gallons	PPM	Percent AI
Leaf-feeding caterpillars (such as gypsy moth caterpillars, tussock moth caterpillars [including whitemarked tussock moth], webworms [including fall webworm] and yellownecked caterpillars)	2.5 Fluid Ounces	0.024	29.4	0.00294
	5.0 Fluid Ounces	0.048	58.7	0.00587
	10.0 Fluid Ounces	0.098	117.4	0.01174

**APPLICATION EQUIPMENT CLEANING**

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that might become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean equipment near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

**RESISTANCE MANAGEMENT**

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the recommended dosages fail to suppress the pest population below threshold levels. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of active classes of

insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor for the latest information on resistance management in your area.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Do not subject to temperatures below 32 degrees F. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

7/7

**LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read This Limitation of Warranty and Liability Before Buying or Using This Product. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from factors such as weather conditions, soil factors, off target movement, unconventional technique, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont or Seller. These risks can cause: ineffectiveness of the product or other unintended consequences.

DuPont does not agree to be an insurer of these risks. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

**IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHER LEGAL THEORY) RESULTING FROM THE STORAGE, USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

DuPont or its distributor must have prompt notice of any claim so that an immediate investigation of buyer's or user's claim can be made. Buyer and all users shall promptly notify DuPont or a DuPont distributor of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

**NOTICE TO BUYER**— Purchase of this material does not confer any rights under patents of countries outside of the United States.

The DuPont Oval Logo, DuPont™ and PROVAUNT™ are trademarks of E.I. duPont de Nemours and Company.

**D - 950 040804**

For product information call: 1-888-6-DUPONT (1-888-638-7668)

Internet address: <http://www.proproducts.dupont.com/>

© 2004 E.I. du Pont de Nemours and Company, Wilmington, Delaware 19898

All rights reserved.