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62719-230

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

1-88

Michael W. Melichar  
Product Registration Manager  
DowElanco  
9002 Purdue Road  
Indianapolis, IN 46268-1189

Subject: Grandstand\*  
EPA Reg. No. 62719-230  
RE: Approval of Label Amendment  
Your submission dated March 31, 1993.

Dear Mr. Melichar:

The above mentioned amendment submitted in connection with registration under FIFRA is acceptable with the revisions noted in Insert 1. Please submit 5 copies of the revised label as soon as possible.

A stamped copy is enclosed for your records.

Sincerely,

Robert J. Taylor  
Product Manager (25)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

CONCURRENCES

|         |           |  |  |  |  |  |  |
|---------|-----------|--|--|--|--|--|--|
| SYMBOL  | H7505C    |  |  |  |  |  |  |
| SURNAME | R. Taylor |  |  |  |  |  |  |
| DATE    | 4-27-95   |  |  |  |  |  |  |

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# Grandstand

For the control of woody plants and broadleaf weeds in Christmas tree plantations

Active ingredient:  
 Incisoyr, 3,5,6-trichloro-2-pyridinyloxyacetic acid, triethylamine salt ..... 44.4%

Inert ingredients..... 55.6%

Acid equivalent:  
 Incisoyr - 31.8% - 3 oz/gal

Keep Out of Reach of Children

**DANGER**

Refer to inside of label booklet for additional precautionary information and Directions for Use including STORAGE AND DISPOSAL.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" in the attached label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-838-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 82719-230  
33882

EPA Est. 484-MB-1  
900-001073

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**Herbicide**

RECORDED  
with COMMENTS  
in EPA Letter Dated:

APR 27 1999

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
62719-230

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# **Grandstand**

For the control of woody plants and broadleaf weeds in Christmas tree plantations

|   |       |
|---|-------|
| Active ingredient:  |       |
| Inciopyr, 3,5,6-trichloro-2-pyridinyloxyacetic acid, triethylamine salt ..... | 44.4% |
| Inert ingredients .....   | 55.6% |
| Acid equivalent:  |       |
| Inciopyr - 31.8% - 3 lb/gal   |       |

## Precautionary Statements

**Hazards to Humans and Domestic Animals**

**Keep Out of Reach of Children**

## DANGER

Insert 1.

**Causes Eye Damage And Skin Irritation • Harmful If Swallowed**

Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Wash thoroughly after handling.

**First Aid**

In case of contact: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention promptly. Flush skin with water and get medical attention if signs of irritation develop. Remove and wash contaminated clothing before reuse.

If swallowed: Promptly drink a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician.

## 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 contaminate water when disposing of equipment washwaters.

## Herbicide

**Physical or Chemical Hazards**  
Do not use or store near heat or open flame.

## Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Store above 28°F or agitate before use.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse 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 puncture and dispose of in a sanitary landfill, or by other approved state and local procedures. Plastic containers may also be disposed of by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Consult federal, state, or local disposal authorities for approved alternative procedures.

Refer to attached label booklet for additional precautionary information and Directions for Use.

**Notice:** Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-638-4400.

**Agricultural Chemical:** Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-230  
33682

EPA Est. 464-M-1  
900-001073

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**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

**DANGER PELIGRO:**

Precaucion al usarlo: Si usted no lee rigida, no use este producto hasta que le expliquen lo hayo sido explicada implementa.

~~Causes Eye Damage And Skin Irritation - Harmful if Swallowed~~

~~Do not get in eyes, on skin or on clothing. Wear goggles or face shields and rubber gloves when handling. Avoid contamination of food. Wash thoroughly after handling.~~

**First Aid**

~~In case of contact: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention promptly. Flush skin with water and get medical attention if signs of irritation develop. Remove and wash contaminated clothing before reuse.~~

~~If swallowed: Promptly drink a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician.~~

**Environmental Hazards**

Do not apply directly to water, to areas where surface water is present or to riparian areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame.

**Directions for Use**

It is a violation of Federal law to use the product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Storage: Store above 25°F or agitate before use.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue 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 puncture and dispose of in a sanitary landfill, or by other approved state and local procedures. Plastic containers may also be disposed of by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Consult federal, state, or local disposal authorities for approved alternative procedures.

**General Information**

Grandstand herbicide is a water soluble product recommended for the control of unwanted woody plants and annual and perennial broadleaf weeds in Christmas tree plantations. If lower rates are used on hard-to-control species, re-sprouting may occur the year following treatment. Brush over 8 feet tall is difficult to treat efficiently using hand equipment such as backpack or knapsack sprayers. Large brush or trees may be better controlled by non-foliar applications described on the label.

Foliar applications of Grandstand should be made when the weed plants are in full leaf and actively growing. In all cases use the amount specified in enough water to

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give uniform and complete coverage of the plants to be controlled. Grandstand does not control plants which have not germinated at the time of application. Applications under drought conditions may provide less than desirable results.

### General Use Precautions

Do not use for manufacturing or formulating.

Do not use on newly seeded grass until the grass has established a good root system, shows good vigor and is starting.

Newly seeded turf (sideways, etc.) should be mowed two or three times before any treatment with Grandstand.

Do not reseed Christmas tree areas treated with Grandstand for a minimum of three weeks after application.

Do not use Grandstand if legumes, such as clover, are present and injury cannot be tolerated.

Do not apply on ditches used to transport irrigation water.

Do not apply where runoff or irrigation water may flow onto agricultural land as injury to crops may result.

It is better not to disturb the treated area until the spray has dried. Leaving undisturbed while drying will allow better penetration of the product into the plant, for more effective results.

Do not apply Grandstand with a mistblower.

Chemigation: Do not apply this product through any type of irrigation system.

Be sure that use of this product conforms to all applicable regulations.

Avoid Injurious Spray Drift: Applications should be made only when there is little or no hazard from spray drift. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. Do not spray when wind is blowing toward susceptible crops or ornamental plants near enough to be injured.

Ground Equipment: To aid in reducing spray drift, Grandstand may be used in thickened (high viscosity) spray mixtures using Nalco-Trol drift control additive, high viscosity inert systems, or equivalent as directed by the manufacturer. With ground equipment, spray drift can be reduced by keeping the spray boom as low as possible; by applying 20 gallons or more of spray solution/acre; by keeping the operating spray pressures at the lower end of the manufacturer's recommended pressures for the specific nozzle type used (low pressure nozzles are available from spray equipment manufacturers); and by spraying when the wind velocity is low (follow state regulations). Select nozzles and spray pressures that produce a coarse spray.

### Preparing the Spray

Use clean water suitable for spraying. The recommended order of addition to the spray tank is water, drift control agent (if used), non-ionic agricultural surfactant and Grandstand. Continue moderate agitation while mixing and spraying. Use of a non-ionic agricultural surfactant, such as Velsol X-77, Triton Ag-88, or Tronic, is recommended for all applications. When using surfactants, follow use directions and precautions listed on the surfactant manufacturers' label. Use the higher recommended concentrations of surfactant in the spray mixture when applying lower spray volumes per acre.

### Approved Uses

#### Christmas Tree Plantations

For broadleaf weed control and woody plant control in established plantations, apply 2 to 5 pints per acre of Grandstand as a foliar spray directed to the base of the Christmas trees. Apply in enough water to give uniform coverage (20 to 100 gallons per acre). Do not apply with 2,4-D. These rates of Grandstand will only suppress some well established woody plants greater than 2 to 3 years old (see table below). Apply Grandstand in late summer and early autumn after the Christmas trees have hardened off and before the leaves begin to drop off the target weeds. Spray

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solution from Grandstand can cause needle and branch injury to Christmas trees. To minimize injury, it is recommended that sprays be directed so as to minimize contact with Christmas tree foliage. Injury from Grandstand is less on blue spruce, white spruce, balsam fir and Fraser fir, than on white pine and Douglas fir.

Restrictions: Grandstand may only be used in established Christmas tree plantations that were planted at least one full year prior to application.

**Foliar Broadcast Ground Application**  
**Application Rates and Species Controlled:**

| Grandstand    |                   |                  |
|---------------|-------------------|------------------|
| 2 pints/acre  | 3 to 4 pints/acre | 5 pints/acre     |
| clover        | bindweed,         | arrowwood (SDL)  |
| dandelion     | field (TG)        | aspen            |
| dock, curly   | blackberry†       | beech (SDL)      |
| lambsquarters | chicory (S)       | birch (SDL)      |
| lespedeza     | fireweed          | chinquapin       |
| plantain,     | ivy, ground       | cottonwood (SDL) |
| broadleaf     | lettuce, wild     | elderberry       |
| plantain,     | oxalis            | grape, wild      |
| buckhorn      | poison ivy        | mulberry (SDL)   |
| ragweed,      | smartweed         | poplar (SDL)     |
| common        | (TG)              | sassafras (SDL)  |
| veich         | thistle,          | sumac (SDL)      |
|               | Canada (TG)       | sycamore (SDL)   |
|               | violet, wild      |                  |
|               | Virginia          |                  |
|               | creepers†         |                  |

(TG) Top growth control, retreatment may be necessary  
(S) Suppression  
(SDL) Seedlings less than 2-3 years old  
† Use 4 pint per acre rate

For broadleaf weed control and woody plant control in established Christmas tree plantations, broadcast sprays may be applied in bands between the rows of planted trees. Make application using equipment that will assure uniform coverage of the spray volume applied. To improve spray coverage, add a non-ionic

agricultural surfactant such as Valent X-77, Triton Ag-98 or Tronic. When adding a surfactant, follow the use directions on the surfactant label. Use the higher rates of surfactant for lower rates of product and lower spray volumes.

For best results, applications should be made when woody plants and weeds are actively growing. When hard to control species such as ash, blackgum, choke cherry, elm, hazel, madrone, maples, oaks or sweetgum are prevalent and for applications made in late summer when the leaves are mature and during drier conditions, use the higher rates of Grandstand alone or use appropriate non-foliar techniques.

**Directed Applications**

To control hardwoods such as red maple, sugar maple, striped maple, sweetgum, red and white oaks, ash, alder, birch, aspen, and pin cherry mix 4 to 20 fluid ounces of Grandstand in enough water to make 3 gallons of spray mixture. To improve spray coverage, add a non-ionic agricultural surfactant such as Valent X-77, Triton AG-98 or Tronic. This spray mixture should be directed onto foliage of competitive hardwoods using knapsack or backpack sprayers with flat fan nozzles or equivalent any time after hardwoods have reached full leaf size, but before autumn coloration (when plants are actively growing). The majority of treated hardwoods should be less than 8 feet in height to ensure adequate spray coverage. Note: To prevent Christmas tree injury, care should be taken to direct spray away from contact with Christmas tree foliage.

**Single-Stem Non-Foliar Applications:**

1. Tree Injector Method: Applications should be made by injecting 1/2 milliliter of undiluted Grandstand or 1 milliliter of the diluted (1:1 ratio in water) solution through the bark at intervals of 3-4 inches between centers of the injector wound. The injections should completely surround the tree at any convenient height.
2. Whip Drill or Girdle Method: Make a single groove through the bark completely around the tree at a convenient height. Wet the cut surface with undiluted Grandstand or diluted (1:1 ratio in water) solution.

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Both of the above methods may be used successfully in any season except during periods of heavy sap flow particularly with certain species - such as maples.

3. **Stump Treatment:** To prevent resprouting, spray or paint the cut surfaces of freshly cut stumps and stubs with undiluted Grandstand herbicide. The cambium area next to the bark is the most vital area to wet.

### Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DOWELANCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

### 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 the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, presence of other materials, the manner of application or other factors, all of which are beyond the control of DowElanco or the 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 DowElanco'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.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and the "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or the "Limitation of Remedies" in any manner.

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### Amendments:

1) Precautionary Statements for Grandstand (62719-230) are being revised to match other DowElanco products with the same composition including Garlon 3A, Redeem and Turlon Amine (Reg. No. 62719-37). All products containing 44.5% triclopyr triethylamine salt will now reflect the same precautionary language.

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**Grandstand Inserts**

**Insert 1.**

**Corrosive • Causes Irreversible Eye Damage • Harmful if Swallowed, Inhaled Or Absorbed Through The Skin • Prolonged Or Frequently Repeated Skin Contact With Herbicide Concentrate May Cause An Allergic Skin Reaction In Some Individuals**

**Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or spray mist. Wear goggles, face shield or safety glasses, and rubber gloves when handling concentrate. Wear protective clothing when handling due to corrosive effects on the skin and eye. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.**

**First Aid**

**If in eyes:** Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

**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. Promptly drink a large quantity of milk, egg whites or gelatin solution, or if these are not available, drink large quantities of water. Do not induce vomiting. Avoid alcohol.

**If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**Note to Applicator:** Allergic skin reaction is not expected from exposure to spray mixtures of Grandstand herbicide when used as directed.