

PM 25

62719-215

12/29/97

9/11

DEC 29 1997

Steve A. McMaster
DowElanco
9330 Zionsville Road
Indianapolis, IN 46268-1054

Dear Mr. McMaster:

Subject: Revised Labeling
Grandstand R
EPA Registration No. 62719-215
Your Submission Dated December 16, 1997

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- On page 4 reinstate the DANGER Signal Word after Hazards to Humans and Domestic Animals. 40 CFR 156.10(h)(2)(i)(A) referring to the Hazards to Humans and Domestic Animals section states "The precautionary paragraph shall be immediately preceded by the appropriate hazard signal word". If the precautionary statements appear together on the same panel as the Signal Word and Keep Out of the Reach of Children, the duplicate Signal Word is prohibited since 40 CFR 156.10(h)(1)(i)(E) states "In no case shall more than one human hazard signal word appear on the front panel of a label".

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

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

Sincerely yours,



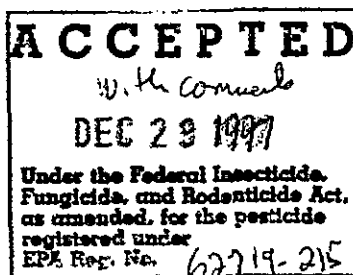
James A. Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

Enclosure

2/11

(Base label):

(logo) DowElanco

Grandstand* R**For selective postemergence broadleaf weed control in rice**

Active Ingredient(s):

Triclopyr (3,5,6-trichloro-2-pyridinyloxyacetic acid), triethylamine salt	44.4%
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Inert Ingredients	55.6%
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Total	100.0%
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Acid Equivalent: Triclopyr - 31.8% - 3 lb/gallon

Keep Out of Reach of Children**DANGER PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Precautionary Statements**Hazards to Humans and Domestic Animals****Keep Out of Reach of Children****DANGER PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Corrosive • Causes Irreversible Eye Damage • Harmful If Swallowed or Inhaled • Prolonged Or Frequently Repeated Skin Contact With Herbicide Concentrate May Cause An Allergic Skin Reaction In Some Individuals

Do not get in eyes, or on clothing. Avoid contact with skin. Avoid breathing vapor or spray mist.

Personal Protective Equipment (PPE)**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

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.

3/4

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 this product when used as directed.

Environmental Hazards

Drift or runoff 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 except when treating rice fields as specified in this product label. Off-target movement of spray drift may adversely affect nontarget plants. Do not contaminate water when disposing of equipment wash waters or rinsate.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations 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" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

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

EPA Reg. No. 62719-215

EPA Est. 00000-XX-00

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Herbicide

4/11

(Label booklet cover):

(logo) DowElanco

Grandstand* R

For selective postemergence broadleaf weed control in rice**Active Ingredient(s):**

Triclopyr (3,5,6-trichloro-2-pyridinyloxyacetic acid), triethylamine salt	44.4%
Inert Ingredients	55.6%
Total	100.0%

Acid Equivalent: Triclopyr - 31.8% - 3 lb/gallon

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Herbicide

5/11

(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER PELIGRO

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Do not get in eyes, or on clothing. Avoid contact with skin. Avoid breathing vapor or spray mist.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

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.

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 this product when used as directed.

Environmental Hazards

Drift or runoff 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 except when treating rice fields as specified in this product label. Off-target movement of spray drift may adversely affect nontarget plants. Do not contaminate water when disposing of equipment wash waters or rinsate.

6/11

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.

Do not use for manufacturing or formulating.

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 48 hours.

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
- Protective eyewear

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. Do not store near heat or open flame.

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. 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.

General: Consult federal, state, or local authorities for approved alternative procedures.

General Information

Grandstand* R is postemergence systemic herbicide for the control of certain broadleaf weeds in rice (including ratoon rice). Grandstand R controls broadleaf weeds through foliar uptake; therefore, thorough coverage of target weeds is important. DO NOT apply under conditions which would allow spray drift to come in contact with adjacent broadleaf crops as crop injury may occur.

7/11

Special Use Precautions

1. Apply this product to rice only as specified on this label. Do not apply to any other crop or site.
2. Do not apply this product to upland (non flooded) rice.
3. Do not apply this product prior to the 2 to 3-leaf stage or after the 1/2" internode elongation stage of rice development (see special timing of application instructions for water seeded rice). Do not apply in the booting or subsequent stages of rice development.
4. Direct application to ditches used to transport irrigation water is prohibited.
5. Do not apply more than 1 pint (0.375 lb a.e.)/acre in a single application. Do not make more than two applications or apply more than 2 pints (0.75 lb a.e.) per acre during the growing season. Applications made after planting of rice must be at least 20 days apart.
6. Do not apply Grandstand R directly to, or otherwise permit it to come into contact with, cotton, soybeans, grapes, tobacco, vegetable crops, flowers, ornamental shrubs or trees, or other desirable broadleaf plants, as serious injury may occur. DO NOT permit spray mists containing Grandstand R to drift onto desirable broadleaf plants.
7. Do not rotate treated land to crops other than rice for 4 months following treatment.
8. When using tank mixtures, read and follow the use directions and precautions on each product label.
9. Do not apply less than 20 days prior to draining the field, unless the water is contained within a tailwater recovery system, or other system appropriate for preventing discharge from rice. Discharge is permitted 20 days following the last application of Grandstand R within the system.
10. **Application to fields which have been leveled (except water leveling) within 12 months prior to application may result in serious rice injury in areas that have been cut or filled.**
11. Do not apply where runoff or irrigation water may flow directly onto agricultural land other than rice fields as injury to crops may occur.
12. Use of this product for manufacturing or formulating is prohibited.
13. **Preharvest Interval:** Do not apply later than 60 days before harvesting rice.
14. **Chemigation:** Do not apply this product through any type of irrigation system.
15. Do not fish or commercially grow fish, shellfish or crustaceans on treated acres during the year of treatment.
16. Do not apply Grandstand R with 32% liquid nitrogen fertilizer or zinc fertilizer.
17. Do not apply Grandstand R following application of Whip herbicides, except in California where Grandstand R may be applied 14 days after application of Whip.
18. Use of this product on rice grown in the state of New York is prohibited.

Mixing Instructions

Mixing Order

When preparing spray mixtures, the recommended order of addition to the spray tank is half the water, drift control agent (if used), additional herbicide (if used), and Grandstand R. Then add the remainder of the water. The nonionic surfactant or crop oil concentrate should be added last unless otherwise specified on the surfactant label. Moderate continuous agitation is also required when Grandstand R is tank mixed with emulsifiable concentrate herbicides. When using any tank mixture, read and follow the use directions and precautions on each product label.

Spray Surfactants

For best broadleaf weed control with Grandstand R alone, use of a nonionic surfactant (registered for agricultural use where required) or a crop oil concentrate (COC) is recommended. The suggested rate of surfactant addition to the spray mixture is 0.25% to 0.5% by volume (2 to 4 pints per 100 gallons of spray mixture) unless otherwise recommended by the surfactant label. The suggested rate of the COC addition to the spray mixture is 1% by volume (8 pints per 100 gallons of spray mixture). Read and follow all use directions and precautions on the surfactant or COC label.

Application Precautions

Aerial Application: Broadcast apply Grandstand R in a minimum of 5 gallons of spray mixture per acre, except where state regulations specify a higher minimum gallonage. For post-flood applications or when foliage is dense, use a spray volume of 5-10 gallons per acre to ensure uniform coverage. Apply at a height which provides the most effective swath width for the aircraft. Fixed-wing aircraft or helicopters should have a well-designed spray system that produces a uniform spray pattern and minimizes spray drift.

Ground Application: Broadcast apply Grandstand R in a minimum of 10 gallons of spray mixture per acre. Flat fan nozzles are recommended. Utilize a well-designed spray system that produces a uniform spray pattern and minimizes spray drift.

Avoid Spray Drift

Make applications only when there is little or no hazard from spray drift. 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 that are near enough to be injured. It is suggested that a continuous smoke column or similar equipment be used at the spray site to detect air movement, lapse conditions, or temperature inversions. If the smoke layers or indicates a potential for hazardous drift, do not spray.

Spray drift may be lessened by:

1. Applying a coarse spray.
2. Selecting the minimum spray pressure required to provide a uniform spray pattern and adequate plant coverage.
3. Using a spray boom no longer than 3/4 the wing or rotor length.
4. Directing spray nozzles directly to the rear of the boom when applying with aerial equipment.
5. Spraying only when wind velocities are low.
6. Adding spray thickening agent (registered for agricultural use where required), to the spray mixture for applications near susceptible crops or ornamental plants. If a spray thickening agent is used, follow the use directions and precautions on the product label.

Application Directions

Application Timing

Grandstand R may be applied as a preplant burndown treatment prior to planting rice, to newly seeded rice, or ratoon rice following harvest of the first crop.

Preplant Burndown Application: Apply at least 21 days before planting dry seeded rice and 14 days before planting water seeded rice.

Application to Newly Seeded Rice: Apply from the 2 to 3-leaf to 1/2" internode elongation stage of growth. If two applications are made during the 2 to 3-leaf to 1/2" internode elongation stage of growth, they must be at least 20 days apart. (See special timing of application instructions for water seeded rice under "Water Management").

Ratoon Rice: Grandstand R may be applied within two weeks following harvest of the first crop to provide control of susceptible broadleaf weeds in ratoon rice.

9/11

Note: Rice is most tolerant to postemergence applications of Grandstand R from the **2 to 3-leaf stage to the 1/2" internode elongation stage of rice development**. Postemergence applications of the higher rates of Grandstand R may result in temporary rice injury that appears as leaf chlorosis or stunting. Rice will normally recover from these symptoms in two to four weeks. Treatments applied after the 1/2" internode elongation stage may result in increased rice injury. **Do not apply in the booting or subsequent stages.**

Repeat Applications: Do not make more than two applications during the entire crop growing season. See "Special Use Precautions" for details.

Water Management

Preflood Application: For preflood applications, the rice should be in the 2 to 3-leaf stage or larger. A shallow flood may be applied no sooner than 72 hours following application of Grandstand R. If the weeds are drought stressed, flush the field before applying Grandstand R so that weeds are actively growing at time of treatment.

Postflood Application: For postflood applications, treatments should be made when weeds are well emerged above the water surface. Weeds submerged at the time of application will not be controlled. If water level is dropped to expose weeds prior to application, **do not** raise water level for at least 48 hours after application. The growing points of rice plants at the soil surface (crown) should be covered with water at the time of application.

Water Seeded Rice: In water seeded rice, **do not apply before the 3 to 4 leaf stage** or after the 1/2" internode elongation stage of growth.

Tolerance of Rice Varieties: Grandstand R may be used on all rice varieties except the variety "Millie" when grown in the state of Louisiana. However, because new varieties are introduced frequently, the tolerance of a new rice variety to Grandstand R should be checked before large areas are treated.

Application Rates and Weeds Controlled With Grandstand R Alone

Grandstand R should be applied to actively growing weeds at a rate of 0.67 to 1.0 pint (0.25 to 0.375 lb a.e.) per acre with a nonionic surfactant (0.25 to 0.5% by volume) or crop oil concentrate (1% by volume) (see Spray Surfactants under Mixing Directions). **Apply 1 pint for difficult to control species, when broadleaf weeds are large, or in postflood applications.**

10/11

Weed Control Information

Weeds Controlled	Application Rate	Comments
Common Cocklebur Jointvetch spp. ¹ Morningglory spp. ²	0.67-1.0 pint/acre (0.25-0.375 lb a.e./acre)	General: Best control is achieved with applications prior to weed flowering. Weeds larger than 24" in size may not be adequately controlled. Postflood applications should be made when weeds are well emerged above the water surface. Weeds submerged at the time of application will not be controlled.
Alligatorweed Dayflower Eclipta Hemp sesbania Redstem Rice flatsedge ³ Sicklepod Texasweed/Mexicanweed Water Hysopp Ricefield bulrush	1.0 pint/acre (0.375 lb a.e./acre)	¹ Jointvetch species are most susceptible from 10" to flowering stage of growth. ² Apply 1 pint/acre when morningglory runners are greater than 6". ³ Rice flatsedge should be treated when less than 4 inches tall.

Application Timing and Water Management for Preflood Application in Drill-Seeded Rice:

Application Rates	Drill-Seeded Rice - Preflood Application		
	Rice Stage of Growth to Apply		Water Management
	2-leaf Stage	3 to 4-leaf Stage	Hours After Application Before Flooding
Grandstand R Alone			
0.5 pt	No	No	--
0.67 pt	No	Yes	72 hours
1.0 pt	No	Yes	72 hours
Grandstand R Plus Arrosolo or Propanil			
0.5 pt	Yes	Yes	72 hours
0.67 pt	No	Yes	72 hours

Tank Mix Recommendations

Grandstand R may be tank mixed with several rice herbicides for broad spectrum weed control in rice. Tank mix applications are to be used only when the rice is well established and in the recommended stage of growth for treatment with Grandstand R and the recommended tank mix product. For best results, weed species should also be in the proper stage of growth as specified on the Grandstand R and tank mix product label. **When tank mixing, always follow the use directions and precautions in accordance with each herbicide label. No label dosage rates may be exceeded.**

1. Preflood Application

Tank Mix with Propanil Herbicides: Grandstand R may be tank mixed with propanil herbicides in a preflood application to control grass and broadleaf weed species. Apply 0.5 to 0.67 pint/acre (0.19 - 0.25 lb a.e./acre) Grandstand R plus 3.0 to 4.0 lb ai/acre of the propanil herbicide. **DO NOT** add a surfactant or crop oil concentrate when using propanil herbicides formulated as emulsifiable concentrates. A nonionic surfactant at 0.25% by volume is recommended when using propanil herbicides formulated as dry products or as flowables.

Tank Mix with Arrosolo Herbicides (Not Registered in California): Grandstand R may be tank mixed with liquid Arrosolo herbicide in a pre-flood application to control grass and broadleaf weed species. Apply 0.5 to 0.67 pint/acre (0.19 - 0.25 lb a.e./acre) of Grandstand R plus 4.5 to 6 lb ai/acre (3 to 4 quarts/acre) of Arrosolo herbicide. **DO NOT** add a surfactant or crop oil concentrate to this tank mixture.

2. Postflood Application

Grandstand R may be tank mixed with propanil herbicides in a postflood application to control grass and broadleaf weed species. Apply 0.67 to 1.0 pint/acre (0.25 - 0.375 lb a.e./acre) of Grandstand R plus 1.0 to 4.0 lb ai/acre of the propanil herbicide. **DO NOT** add a surfactant or crop oil concentrate when using propanil herbicides formulated as emulsifiable concentrates. A nonionic surfactant at 0.25% by volume is recommended when using propanil herbicides formulated as dry products or as flowables. **When using the 1 lb/acre rate of propanil with Grandstand, use only the liquid propanil herbicide formulation.**

Water Seeded Rice: Grandstand R may be tank mixed with liquid Arrosolo herbicide in a postflood application to water seeded rice to control grass and broadleaf weeds. Apply 0.5 to 0.67 pint/acre (0.19 - 0.25 lb a.e./acre) of Grandstand R plus 4.5 to 6 lb ai/acre (3 to 4 quarts/acre) of Arrosolo herbicide.

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. Crop 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 this 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 this Limitation of Remedies in any manner.

*Trademark of DowElanco

EPA-accepted: