

COLLEGO LABEL REVISIONS - Component A (1 Qt.)

A. Addition of Spanish language

Change #1

From: Keep Out of Reach of Children
CAUTION

To: Keep Out of Reach of Children
CAUTION-CAUCION

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Reason: Compliance with EPA PR Notice 83-2.

B. Storage and Disposal Statement

Change #2

From: Current Storage and Disposal Statement

To: STORAGE AND DISPOSAL

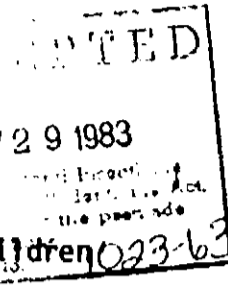
Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in original container and keep closed. Store Collego Component A at temperatures of 40° to 80°F.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

Reason: Compliance with EPA PR Notice 83-3.



Actual Size

1023-63

TUCO	9-3249-2	DIRECTIONS FOR USE
Collego™		It is a violation of Federal law to use this product in a manner inconsistent with its labeling
Component A FUNGAL SPORE REHYDRATING AGENT		See Booklet for complete directions for use
KEEP OUT OF REACH OF CHILDREN		STORAGE AND DISPOSAL
CAUTION		Do not contaminate water, food or feed by storage or disposal
See side panel for precautionary statements		STORAGE: Store Collego Component A at temperatures of 40° to 80° F.
EPA Est. No. 1023-MI-2 NET VOLUME 1 QUART	812 233 000	PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act
USE BEFORE NOV 1982 LOT 939 KF	TUCO Division of The Upjohn Company Kalamazoo, Michigan 49001 U.S.A.	CONTAINER DISPOSAL: Triple rinse (or equivalent) and offer for recycling or reconditioning or dispose of in a sanitary landfill by incineration if permitted by state or local authorities

1.

2.

COLLEGO LABEL REVISIONS - Component B

A. Addition of Spanish language

Change #1

From: Keep Out of Reach of Children
CAUTION

To: Keep Out of Reach of Children
CAUTION-CAUCION

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Reason: Compliance with EPA PR Notice 83-2.

B. Storage and Disposal Statement

Change #2

From: Current Storage and Disposal Statement

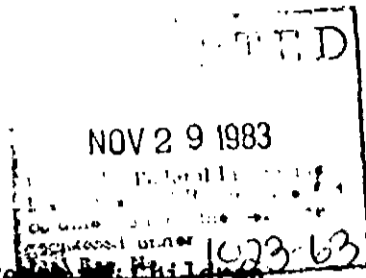
To: STORAGE AND DISPOSAL

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

STORAGE: Store Collego Component B at temperatures of 40° to 80°F. Collego Component B contains viable spores. Germination of these spores will be reduced by temperatures below 30°F or when Collego Component B is held for 12 hours or more at temperatures above 105°F. Store in original container and keep closed.

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

Reason: Compliance with EPA PR Notice 83-3.



Actual Size

TUCO 9-3249-3

LIVING FUNGAL SPORES
STORE AT TEMPERATURES OF 40° TO 80° F

Collego™
Component B

SELECTIVE POSTEMERGENT HERBICIDE

BIOLOGICAL WEED CONTROL AGENT
FOR CONTROL OF NORTHERN JOINTVETCH (CURLY INDIGO)
IN RICE AND SOYBEAN

ACTIVE INGREDIENT
Colletotrichum gloeosporioides f.sp.
aeschyromene ATCC 20358 15% w/w ✓

INERT INGREDIENTS 85% w/w

Total 100% w/w

*Contains at least 75.7×10^{12} viable fungal spores

KEEP OUT OF REACH OF CHILDREN
CAUTION

See Precautionary Statement on Back Panel

BEST DOCUMENT AVAILABLE

NET WEIGHT

EPA Reg No 1023-63

EPA Est No 1023-MI-2

USE BEFORE NOV 1982
LOT 002 KH

812 235 001

TUCO

Division of The Upjohn Company
Kalamazoo, Michigan 49001 U.S.A.

10-23-82

Collego™
Component B 9-3249-3

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
See Booklet for complete directions for use.

PRECAUTIONARY STATEMENT

HAZARD TO HUMANS AND DOMESTIC ANIMALS. Caution. Causes slight eye irritation. Avoid contact with eyes or clothing.

STATEMENT OF PRACTICAL TREATMENT. If In Eyes: Flush with plenty of water. Get medical attention if irritation persists. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS. Do not apply directly to water except as indicated in the directions for use. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

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

STORAGE: Store Collego Component B at temperatures of 40° to 80° F. Collego Component B contains viable fungal spores. Germination of these spores will be reduced by temperatures below 32° F or when Collego Component B is held for 12 hours or more at temperatures above 105° F.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Do not reuse bag. When empty dispose of in an incinerator or according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act.

IMPORTANT—READ BEFORE USE

By using this product, user accepts the following conditions, warranty disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond TUCO's control, it is impossible for TUCO to eliminate all risks associated with use of this product. As a result, crop injury or ineffectiveness is always possible.

WARRANTY AND DISCLAIMER OF WARRANTIES: TUCO warrants that this material conforms to the description and conditions on the label and is reasonably fit for use under the directions and conditions of this label. **TUCO AND SELLER MAKE NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS, MERCHANTABILITY OR OTHERWISE.**

LIMITATIONS OF LIABILITY: The liability of TUCO or Seller for damages arising from the use of this product is limited to the replacement cost of the product used and shall not include any consequential damages such as loss of profits or other values.

NO CHANGES AUTHORIZED: No one (other than an authorized Agent of TUCO) is authorized to make any other warranty, or change the above conditions, disclaimer or limitations, or to alter this label in any way, and with specific reference to this label.

TUCO Division of The Upjohn Company
Kalamazoo, Michigan 49001 U.S.A. 812 235 001

COLLEGO LABEL REVISIONS - Shipper

A. Addition of Spanish Labeling

Change #1

From: Keep Out of ~~REACH~~ of Children
CAUTION

To: Keep Out of Reach of Children
CAUTION-CAUCION

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Reason: Compliance with EPA PR Notice 83-2.

B. Storage and Disposal statement

Change #2

From: Current Storage and Disposal statement

To: STORAGE AND DISPOSAL

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

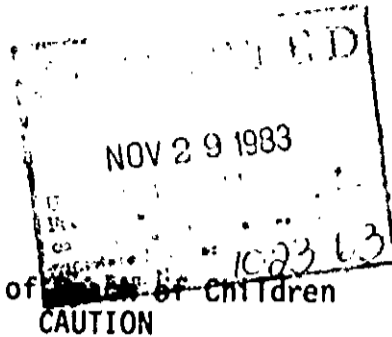
STORAGE: Store Collego at temperatures of 40° to 80°F. Collego contains viable fungal spores. Germination of these spores will be reduced by temperatures below 32°F or when Collego is held for 12 hours or more at temperatures above 105°F. Store in original container and keep closed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse plastic containers (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.

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

Reason: Compliance with EPA PR Notice 83-3.



Shipper Label

1023-63

BEST DOCUMENT AVAILABLE

NET CONTENTS:
1-30 acre pack

9-3249-1

LIVING FUNGAL SPORES
STORE AT TEMPERATURES OF 40° TO 80° F.

Collego™

**SELECTIVE POSTEMERGENT HERBICIDE
BIOLOGICAL WEED CONTROL AGENT FOR
CONTROL OF NORTHERN JOINTVETCH (CURLY INDIGO)
IN RICE AND SOYBEAN**

ACTIVE INGREDIENT	
<i>Colletotrichum gloeosporioides</i> f.sp.	
<i>veschynomane</i> ATCC 20358	15% w/w*
INERT INGREDIENTS	85% w/w
	Total 100% w/w

*Contains at least 75.7 x 10¹⁰ viable fungal spores

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Precautionary Statement on Side Panel

EPA Reg No 1023-63

EPA Est No 1023-MI-2

Use Before _____

Lot No _____

812 255 001 a



Division of The Upjohn Company
Kalamazoo, Michigan 49001, U.S.A.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. See Booklet for complete directions for use.

PRECAUTIONARY STATEMENT

HAZARD TO HUMANS AND DOMESTIC ANIMALS. Caution. Causes slight eye irritation. Avoid contact with eyes or clothing.
STATEMENT OF PRACTICAL TREATMENT, if in Eyes. Flush with plenty of water. Get medical attention if irritation persists. Wash thoroughly with soap and water after handling.
ENVIRONMENTAL HAZARDS. Do not apply directly to water except as indicated in the directions for use. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
STORAGE: Store Collego at temperatures of 40° to 80° F. Collego contains viable fungal spores. Germination of these spores will be reduced by temperatures below 32° F or when Collego is held for 12 hours or more at temperatures above 105° F.
PESTICIDE DISPOSAL: Pesticide spray mixture or residue that cannot be used according to label instructions must be disposed of according to Federal, State, or local procedures under the Resource Conservation and Recovery Act.
CONTAINER DISPOSAL: Triple rinse plastic containers (or equivalent) and offer for recycling or conditioning, or dispose of in a sanitary landfill or by incineration if permitted by State or local authorities.
Do not reuse bag. When empty, dispose of in an incinerator or according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act.

IMPORTANT—READ BEFORE USE

By using this product, user accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond TUCO's control, it is impossible for TUCO to eliminate all risks associated with use of this product. As a result, crop injury or ineffectiveness is always possible.

WARRANTY AND DISCLAIMER OF WARRANTIES: TUCO warrants that this material conforms to the description and conditions on the label and is reasonably fit for use under the directions and conditions of this label. **TUCO AND SELLER MAKE NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS, MERCHANTABILITY OR OTHERWISE.**

LIMITATIONS OF LIABILITY: The liability of TUCO or Seller for damages arising from the use of this product is limited to the replacement cost of the product used and shall not include any consequential damages such as loss of profits or other values.

NO CHANGES AUTHORIZED: No one (other than an authorized Agent of TUCO) is authorized to make any other warranty or change the above conditions, disclaimer or limitations, and then only if in writing and with specific reference to this label.

6/21/82
6/21/82
7/5/82
6/23/82
6/23/82
2/10/82

COLLEGO LABEL REVISIONS-Directions for Use Booklet

Discussion

The following Collego label revisions are proposed as clarification of existing label sections. We believe these changes will not alter the use of Collego, but rather refine this use.

I. Directions For Use

A. Addition of Spanish language

Change #1

From:

Keep Out of Reach of Children
CAUTION

To:

Keep Out of Reach of Children
CAUTION-CAUCION

PRECAUCION AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Reason: Compliance with EPA PR Notice 83-2.

B. General Information

Change #2

From:

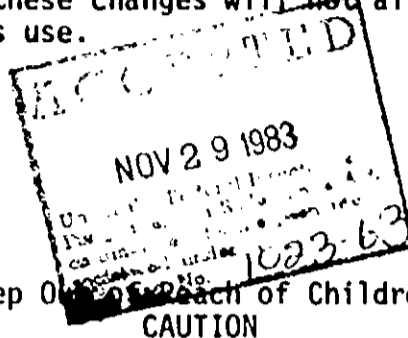
....Collego should be applied to emergent northern jointvetch plants that are 8 to 24 inches tall and have not reached the bloom stage....

To:

....To prevent seed production, Collego should be applied when northern jointvetch plants are 12 or more inches tall and have not reached the bloom stage....

Reason:

This is a wording clarification to alert the user that in order to prevent formation of northern jointvetch seeds, Collego must be applied prior to bloom (and in advance of seed set). Collego will control northern jointvetch that is beyond the bloom stage of development; however, the innate slow action of Collego is such that seeds may be able to set on infected plants.



COLLEGO LABEL REVISIONS (Cont.)

C. Recommendation: Table

Change #3

From:

RECOMMENDATIONS FOR CONTROL OF NORTHERN JOINTVETCH (CURLY INDIGO)

<u>CROP*</u>	<u>WHEN TO APPLY COLLEGO</u>	<u>REMARKS</u>
RICE	At any vegetative stage of rice growth if the northern jointvetch is at least 8 inches tall. Rice fields should be flooded before application.	Do not apply Collego after rice heads emerge from the boot; spraying at this time will not completely prevent seed production of the northern jointvetch.
SOYBEAN	After the soybean plants begin to flower if the northern jointvetch is at least 8 inches tall. Soybean fields should be irrigated just prior to application.	Do not apply Collego after pods form on the lower nodes of the soybean plants; spraying at this time will not completely prevent seed production of the northern jointvetch.

*Collego is exempt from the requirement of a tolerance for residues in or on rice and soybean when used according to these directions for use.

To:

RECOMMENDATIONS FOR CONTROL OF NORTHERN JOINTVETCH (CURLY INDIGO)

<u>CROP*</u>	<u>WHEN TO APPLY</u>	<u>REMARKS</u>
RICE	At any vegetative stage of rice growth if the northern jointvetch is at least 12 inches tall. Rice fields should be flooded before application.	To prevent northern jointvetch from setting seed, Collego must be applied prior to bloom. Application of Collego to northern jointvetch in bloom or postbloom will not completely prevent seed development.
SOYBEAN	After the soybean plants begin to flower if the northern jointvetch is at least 12 inches tall. Soybean fields should be irrigated just prior to application.	Northern jointvetch usually begins to bloom at about the same time as rice heads are emerging from the boot or pods are forming on the lower nodes of soybean plants.

*Collego is exempt from the requirement of a tolerance for residues in or on rice and soybean when used according to these directions for use.

COLLEGO LABEL REVISIONS (Cont.)

Change #3 (Cont.)

Reason: The remarks have been revised to reflect that if prevention of northern jointvetch seed is desired, the treatment must be made prior to bloom.

Control of maturing northern jointvetch plants which have flowered can be achieved with Collego....but these infected plants may set some seed prior to their collapse. ✓

D. Timing

Change #4

From: TIMING
Apply Collego when the leaves of the northern jointvetch are moist and can be expected to remain so for at least 12 hours. Following Collego application, free moisture or relative humidities above 80% and air temperatures of approximately 80°F for at least 12 hours are necessary for development of the highest degree of infection. These conditions usually prevail during the evening in rice and soybean fields. Soybean fields should be irrigated just prior to application; rice should be flooded.

To: TIMING
Apply Collego when free moisture is on northern jointvetch leaves or relative humidities are above 80% and air temperatures of approximately 80°F are expected for at least 12 hours immediately following application. These conditions, necessary for infection to develop, usually prevail in rice and soybean fields during the evening. Soybean fields should be irrigated just prior to application; rice fields should be flooded.

Reason: Wording clarification.

COLLEGO LABEL REVISIONS (Cont.)

E. Application Equipment

Change #5

From: Chemical pesticide residues that remain in the spray tank and boom may kill the live Collego spores. Therefore, prior to use of Collego, thoroughly clean the spray tank, boom, nozzles and screens with an activated charcoal water suspension. Prepare activated charcoal powder following manufacturer's recommendations for use. Thoroughly rinse the spraying system to remove all the charcoal water suspension prior to the application of Collego.

To: Chemical pesticide residues that remain in the spray tank and boom may kill the live Collego spores. Therefore, prior to use of Collego, thoroughly clean the spray tank.

Reason: Several aerial applicator sites were monitored during Collego mixing and loading during 1982-83. Tanks cleaned thoroughly with detergent (or soap) and rinsed did not retain pesticide residues that affected Collego performance. We were unable to demonstrate a measurable benefit from the additional step involving activated charcoal. Therefore, because general availability of activated charcoal is lacking where northern jointvetch is found, the undesirable "messiness" and no measurable benefit from use, we are deleting the statement:

...with an activated charcoal water suspension. Prepare activated charcoal powder following manufacturer's recommendations for use. Thoroughly rinse the spraying system to remove all the charcoal water suspension prior to the application of Collego.

COLLEGO LABEL REVISIONS (Cont.)

F. Storage and Disposal Statement

Change #6

From: Current Storage and Disposal statement

To: STORAGE AND DISPOSAL

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

STORAGE: Store in original container and keep closed. Store Collego at temperatures of 40 F to 80 F. Collego contains viable fungal spores. Germination of these spores will be reduced by temperatures below 32 F or when Collego is held for 12 hours or more at temperatures above 105 F. Store in original container and keep closed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

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

Reason: Compliance with EPA PR Notice 83-3.

Inpakit
Booklet

Complete directions for use

Collego™

Selective Postemergent Herbicide
Biological Weed Control Agent

For Control of Northern Jointvetch
(curly indigo) in Rice and Soybean

LIVING FUNGAL SPORES
STORE AT TEMPERATURES OF 40° TO 80° F



Collego is a two component product

- Component A: A fungal spore rehydrating agent
- Component B

ACTIVE INGREDIENT

Colletotrichum gloeosporioides f. sp. *aeschyromene* ATCC 20358

15% w/w*

INERT INGREDIENTS

85% w/w

Total 100% w/w

*Contains at least 75 x 10⁹ viable fungal spores

1. **KEEP OUT OF REACH OF CHILDREN**
CAUTION

PRECAUTIONARY STATEMENT

HAZARD TO HUMANS AND DOMESTIC ANIMALS: Caution. Causes slight eye irritation. Avoid contact with eyes or clothing.

STATEMENT OF PRACTICAL TREATMENT: If In Eyes: Flush with plenty of water. Get medical attention if irritation persists. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS: Do not apply directly to water except as indicated in the directions for use. Do not contaminate water by cleaning of equipment or disposal of wastes.

NO OTHER MATERIAL AVAILABLE

DIRECTIONS FOR USE

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

GENERAL INFORMATION

Collego is a selective postemergent mycoherbicide which is a specific biological weed control agent. Postemergent applications of Collego will selectively control northern jointvetch (curly indigo) *Aeschynomene indica* (L.) B.S.P. in rice (*Oryza sativa* L.) and soybean (*Glycine max* (L.) Merr.). Collego should be applied to emerged northern jointvetch plants that are from 8 to 24 inches tall and have not reached the bloom stage. Collego will cause disease lesions that will completely girdle the stems of the northern jointvetch plants. The fungus will girdle the stems of the weed but it also infects the petioles and water.

Disease plants become limp; they may collapse. Plants not killed by Collego are stunted, partially defoliated. In crops with the rice or soybean and will not be able to stand. Control of the northern jointvetch plants may not occur for 10 to 14 days after application.

Collego is a two component product. Collego Component A consists of three 1 quart bottles containing a water soluble spore rehydrating agent that allows the spores to take up water prior to germination. Collego Component B consists of three bags that contain a water-suspendible, dried fungal spore formulation of *Colletotrichum gloeosporioides* f. sp. *aeschyromene* ATCC 20358. Both components are packaged in a 5 gallon push mixing container with a lid and stirring paddle.

APPLICATION RATE

Collego Component A (1 quart) and Component B (1 bag) will treat 10 acres.

Acreage to be Treated	Amount Required	
	Component A	Component B
10	1 quart	1 bag
20	2 quarts	2 bags
30	3 quarts	3 bags

RECOMMENDATIONS FOR CONTROL OF NORTHERN JOINTVEITCH (CLINELY INDIGO)

CROP*	WHEN TO APPLY COLLEGO	REMARKS
RICE	At any vegetative stage of rice growth in the northern rice belt, but at least 8 weeks before harvest.	Do not apply <i>Collego</i> after rice has begun to tiller. Spraying at this time will not completely control the rice jointveitch.
SOYBEAN	After the soybean plants begin to flower in the northern rice belt, but at least 8 weeks before harvest.	Do not apply <i>Collego</i> after plants have begun to flower. Spraying at this time will not completely prevent seed production of the rice jointveitch.

**Collego* is exempt from the requirements for application in the direction of wind when used in these directions.

TIMING
Apply *Collego* when the leaves of northern jointveitch are moist and can be expected to remain so for at least 12 hours. Following *Collego* application, free moisture or relative humidities above 80% and air temperatures of approximately 80°F for at least 12 hours are necessary for development of the highest degree of infection. These conditions usually prevail during the evening in rice and soybean fields. Soybean fields should be irrigated just prior to application; rice fields should be flooded.

CAUTION DO NOT APPLY *Collego* DURING PERIODS WHEN RICE AND SOYBEANS ARE UNDER STRESS FOR MOISTURE OR WHEN DRYING CONDITIONS ARE LIKELY TO OCCUR. DO NOT APPLY *Collego* TO NORTHERN JOINTVEITCH PLANTS PREVIOUSLY TREATED WITH PHENOXY HERBICIDES. DO NOT APPLY FUNGICIDES FOR AT LEAST THREE WEEKS FOLLOWING *Collego* APPLICATION.

APPLICATION EQUIPMENT
Chemical pesticide residues that remain in the spray tank and boom may kill the live *Collego* spores. Therefore, prior to use of *Collego*, thoroughly clean the spray tank, boom, nozzles and screens, with an activated charcoal-water suspension. Prepare activated charcoal powder following manufacturer's recommendations for use.

~~Thoroughly clean the spraying system to remove all the charcoal-water suspension prior to the application of *Collego*.~~

Be sure the sprayer has been calibrated to deliver proper spray gallonage with a uniform spray pattern as thorough coverage of the northern jointveitch leaves and stems with *Collego* is essential. Check frequently during application for output of desired gallonage. Use proper nozzle sizes and nozzle arrangements on the spray boom. Use 50 mesh or coarser screens in strainers, nozzles and suction units. Clean nozzles and screens frequently. Wind may cause uneven coverage. Do not apply when wind velocity is greater than 10 miles per hour.

FILLING THE SPRAY TANK

Fill the spray tank one half full with water, add the *Collego* spore suspension (see Spore Preparation below) to the tank and rinse the mixing container. Finish filling the tank to the desired spray volume. Agitate the spores and water to maintain the spore suspension. For best results, maintain continuous agitation during spraying.

SPORE PREPARATION

Collego Component B, dried fungal spores, must be rehydrated just prior to use. The sequence of the steps that must be used in rehydrating the spores for 10 acres:

REHYDRATION PROCEDURE AVAILABLE

- Step 1 Pour the contents from the 1 quart container of *Collego* Component A into the 5 gallon mixing container.
- Step 2 Completely fill the *Collego* Component A container with water and empty into mixing container.
- Step 3 Repeat Step 2 (final concentration is 1 part rehydrating solution and 2 parts water).
- Step 4 Vigorously stir until *Collego* Component A is completely dissolved.
- Step 5 Add one bag Component B and stir with mixing paddle until the spores are completely wet and suspended.
- Step 6 The suspension of spores may then be added to the spray tank. Rinse the mixing container to remove all of the spore suspension.
- Step 7 Dilute the spore suspension in the spray tank to the desired volume.

SPRAY APPLICATION

For best results, *Collego* should be applied by aerial application with fixed wing or helicopter aircraft. Use a spray volume of at least 10 gallons of water per acre. Ground applications are not prohibited, however they may be impractical in most rice and soybean situations where northern jointveitch is

found with the exception of special areas such as levees where ground applications are practical. See Application Equipment section for instructions for preparing the ground spray rig prior to use of *Collego*. Use a spray volume of at least 15 gallons of water per acre.

CAUTION DO NOT ALLOW SPRAY SUSPENSION TO REMAIN IN THE SPRAY TANK FOR MORE THAN 12 HOURS OR ALLOW THE SUSPENSION TO HEAT UP.

COMPATIBILITY

Collego contains live fungal spores, care must be exercised in the handling of the spores. *Collego* is not compatible with liquid nitrogen fertilizers, insecticides, fungicides, and herbicides such as MCP, 2,4-D, 2,4-DB, 2,4,5-T and molinate (Ordram®). Germination of the spores will be reduced if combined with these materials. *Collego* is compatible with adjuflorfen (Blazer®).

CROP ROTATION

Food, feed and forage crops may be sown in *Collego* treated fields immediately after harvest of rice or soybeans.

SPECIFIC PRECAUTIONS

After 7 days following application the grower should frequently examine the northern jointvetch plants to determine if disease lesions are developing.

As with other pesticides, effectiveness of Collego may be reduced by mistakes in application, fertilization, cultivation and management practices. Results will be affected by extremes in weather, soil moisture and temperature.

If the disease lesions caused by Collego do not reach one-half (1/2) inch in diameter and do not encircle the stems of the northern jointvetch plants within 14 days after treatment, a second application of Collego should be made. See Application Rate and Recommendations Sections for Collego amounts and timing.

STORAGE AND DISPOSAL

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

STORAGE: Store Collego at temperatures of 40° to 80° F. Collego contains viable fungal spores. Germination of these spores will be reduced by temperatures below 32° F or when Collego is held for 12 hours or more at temperatures above 105° F.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State, or local procedures under the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Triple rinse plastic containers (or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill or by incineration if permitted by State or local authorities.

Do not reuse bag. When empty dispose of in an incinerator or according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act.

6.

IMPORTANT-READ BEFORE USE

By using this product, user accepts the following conditions, warranty disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond TUCO's control, it is impossible for TUCO to eliminate all risks associated with use of this product. As a result, crop injury or ineffectiveness is always possible.

WARRANTY AND DISCLAIMER OF WARRANTIES: TUCO warrants that this material conforms to the description and conditions on the label and is reasonably fit for use under the directions and conditions

of this label. TUCO AND SELLER MAKE NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS, MERCHANTABILITY OR OTHERWISE.

LIMITATIONS OF LIABILITY: The liability of TUCO or Seller for damages arising from the use of this product is limited to the replacement cost of the product used and shall not include any consequential damages such as loss of profits or other values.

NO CHANGES AUTHORIZED: No one (other than an authorized Agent of TUCO) is authorized to make any other warranty, or change the above conditions, disclaimer or limitations, and then only if in writing and with a specific reference to this label.

Ordram® Trademark of Stauffer Chemical Co
Blazer® Trademark of Rohm and Haas Co

TUCO
Division of The Upjohn Company
Kalamazoo, Michigan 49001, U.S.A.

EPA Est. No. 1023-MI-2

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