

MAR 26 1993

300-5433194
173

Mr. Peter S. Winn
Melosira DE Products, Inc.
202 North Avenue, #102
Grand Junction, CO 81501

Dear Mr. Winn:

Subject: Amendment - Revised Labeling
Melocide DE-100
EPA Registration No. 65789-1
Your Application Dated December 10, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes indicated below prior to release for shipment of product bearing the amended labeling.

1. Delete the proposed phrases, "100% pure", "non-crystalline silica." and "It does not require... when used as directed.", from the labeling. Claims relative to the composition indirectly implying safety of a pesticide are not acceptable (i.e. 100% pure, non-crystalline silica). Likewise the statement about not requiring a bait additive for satisfactory control is considered a misleading comparison with other pesticides and unacceptable. We suggest you replace this proposed section of the label with that which is currently acceptable.

Submit five copies 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,

George T. LaRocca
Product Manager 13
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME	GLA						
DATE	3/25/93						

PM13 65789-1

2045

MELOCIDE DE-100

For Control Of Crawling Insects

**In Stored Grain and Seeds
For Domestic Use
For Commercial Use**

**In Interior Living and Working Spaces
For Domestic Use
For Commercial/Industrial Use
For Use by Pest Control Operators**

The first page is the Front Panel of the label. The second two pages contain Back Panel directions for use for different customers for two different end uses.

Front Panel: lists ingredients and precautionary statements. This page will be the same for each container, regardless of use, except the non-applicable title and subtitle(s) will be deleted as described below:

Back Panel #1: lists directions for use for grain and seed storage. This page will be used only on containers sold for use to control of insect pests in stored grains and seeds. The Front Panel title "In Interior Living and Working Spaces", with subtitles, will be deleted. Either or both of the subtitles "For Domestic Use" and "For Commercial Use" may appear on the Front Panel and Back Panels. If only one subtitle is used, only the appropriate section under Directions will be shown on Back Panel.

Back Panel #2: lists directions for use for interior living and working spaces. This page will be used only on containers sold for use to control insect pests in interior living and working spaces. The Front Panel title "In Stored Grains and Seeds", with subtitles, will be deleted. Any or all of the subtitles "For Domestic Use", "For Commercial/Industrial Use", and "For Use by Pest Control Operators" may appear on the Front and Back Panels. Regardless of the subtitle used, the entire Back Panel Directions will be shown on the Back Panel.

Note: Font size for the signal word CAUTION and for precautionary statement KEEP OUT OF REACH OF CHILDREN will conform to requirements in 40 CFR 156.10(h) (1) (E) (iv).

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 26 1993

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

Melocide DE-100

12/10/92

65789-1

MELOCIDE DE-100

For Control Of Crawling Insects

In Stored Grain and Seeds (Back Panel #1)
For Domestic Use ←
For Commercial Use

In Interior Living and Working Spaces (Back Panel #2)
For Domestic Use ←
For Commercial/Industrial Use
For Use by Pest Control Operators

MELOCIDE DE-100 contains dried, milled 100% pure diatomaceous earth that is obtained from a freshwater diatomite deposit containing the fossil shells of diatoms. Diatoms are a type of algae that produce shells made of non-crystalline silica. The Melosira diatoms that make up this product are among the smallest of the species of diatoms. ←

This type of insect control is physical rather than chemical. The microscopic fossils damage the skin, joints and mouthparts of the insect and absorb body fluids. Insects die within one to two days from dehydration. Insects have not developed resistance or immunity to this type of control. ←

Melocide DE-100 is odorless and non-staining. It does not require a bait additive for satisfactory control of insects when used as directed. ←

CONTENTS

ACTIVE INGREDIENT:		
Silicon dioxide		83.6%
INERT INGREDIENTS:		
Other oxides		16.4%
TOTAL:		100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND ANIMALS

CAUTION: Avoid breathing dust. Avoid contact with eyes. Use with adequate ventilation. For commercial and/or prolonged application wear a suitable dust mask approved by NIOSH/MSHA.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

STORAGE AND DISPOSAL

Store in original container in a dry place. Do not reuse empty container. Wrap container and put in trash collection. Do not contaminate water, food or feed by storage or disposal.

In case of minor spill: Vacuum, or dampen powder with water and sweep. Dispose of in trash.
In case of major spill: Wear respirator while wetting and loading powder into containers. Dispose of in landfill.
In case of emergency: Call (800) 424-9300.

WARRANTY STATEMENT

MELOSIRA DE PRODUCTS, INC. warrants that this product conforms to the ingredient statement on this label. Since conditions of use, such as moisture, compatibility with other chemicals and conditions of application will vary, Melosira DE Products makes no claims other than those stated on this label.

MANUFACTURED BY MELOSIRA DE PRODUCTS, INC.

P.O. Box 97
Westfall, OR 97920

EPA Registration No. 65789-1
EPA Establishment No. 65789-OR-001, 65789-IA-001 ←

Net Weight

Batch No.

MELOCIDE DE-100

For Control of Crawling Insects
In Stored Grain and Seeds

For Domestic Use
For Commercial Use

DIRECTIONS FOR USE

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

When used as directed, death of crawling insects in stored grains and seeds continues throughout the storage period and, after storage, grains or seeds can be used as intended without removal of MELOCIDE DE-100.

If this product, grain or seed are damp before application, do not use. Reduced effectiveness will result if this product or the grain or seed become damp after application. If this occurs, dry grain or seed and reapply Melocide DE-100.

MELOCIDE DE-100 is approved for use in the following stored grains and seeds:

- | | | | |
|----------------------------|------|------|----------------|
| barley | corn | rice | sorghum (milo) |
| buckwheat | oats | rye | wheat |
| beans | flax | peas | soybeans |
| vegetable and flower seeds | | | birdseeds |

When used as directed, MELOCIDE DE-100 effectively kills the following crawling insects:

- | | |
|------------------------|---------------------------|
| rice weevils | saw-toothed grain beetles |
| lesser grain borers | red flour beetles |
| flat grain beetles | confused flour beetles |
| merchant grain beetles | Indian meal moth larvae |

Directions for Domestic Use: One cup of MELOCIDE DE-100 is sufficient for each 25 pounds of dry grain or seed. Solar dry or oven dry (warm setting) grain or seed for a few hours before mixing. Thoroughly mix 1/2 cup with 12 pounds of material at a time in the storage container to insure good distribution throughout the stored material and container walls. Seal container to prevent contamination with moisture. Wear gloves during mixing, or wash hands after mixing.

Directions for Commercial Use: MELOCIDE DE-100 can be used in any dry container where grain and seed are transported or stored, such as silos or elevators, rail cars, ships, truck trailers, and appropriate cans, drums or packages. It provides maximum control when the moisture content of stored grain or seed is 12-15% or less. Long term effectiveness is improved if temperature during storage is high enough to hatch all insect eggs.

MELOCIDE DE-100 should be applied lightly in cracks and crevices in the interior walls of the dry, empty transportation container or storage area using a dust blower. MELOCIDE DE-100 may be applied to grain or seed at any stage of preparation or transportation after drying and before storage. Two to seven pounds of powder should be mixed thoroughly with each ton of dry grain or seed to be stored. A hopper with a variable rate auger or conveyor feeder can be used to apply MELOCIDE DE-100 during transfer of material into transportation containers or to the storage area.

Test weight per bushel of seed or grain treated with MELOCIDE DE-100 will be reduced slightly, but this reduction in bulk density should not cause the treated material to be reduced to sample grade if the USDA procedures in GR Instruction 918-6 Aux. 1 dated May 9, 1963 are followed. Stored material treated with MELOCIDE DE-100 will be coated with dust, which may reduce movement speed.

5045

For Control of Crawling Insects
In Living and Working Spaces

For Domestic Use
For Commercial/Industrial Use
For Use by Pest Control Operators

DIRECTIONS FOR USE

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

MELOCIDE DE-100 is approved for use in indoor locations such as the following:

- homes/apartments
- motels/hotels
- theaters/auditoriums
- kennels/barns/nurseries
- offices/warehouses/factories
- restaurants/grocery stores
- malls/stores/public areas
- hospitals/nursing homes (non-occupied patient areas)
- schools/day care areas (non-child occupied areas)
- food/feed handling/packaging/transportation/storage areas
- public/commercial transportation premises/vehicles/carriers
- colleges/universities/public buildings
- other dry interior spaces

When used as directed, MELOCIDE DE-100 effectively kills the following crawling insects in infested areas:

- cockroaches
- silverfish
- ants
- crickets
- houseflies
- ticks
- elm bugs
- box elder bugs
- fleas
- bed bugs
- carpet beetles
- earwigs
- millipedes
- centipedes
- slugs
- caterpillars
- potato beetles
- bag worms

When used according to directions, death of crawling insects in infested areas continues until product is depleted, dampened or removed. Remove dust with vacuum, mop, sponge or by sweeping dampened dust. Repeat as necessary.

MELOCIDE DE-100 should be lightly applied to any area where crawling insect pests hide or run. Treated areas should be dry. Direct contact with dry dust is required for control. The half-pound puff bottle container is ideal for general application. A straw may be inserted in aperture to aid in application to restricted spaces. Avoid introducing dust into air. Do not apply where children or patients can contact dust.

If this product is damp before application, do not use. If this product or treated areas become damp after application, clean, dry and retreat area with dust.

Food and feed areas: In areas where food or feed is received, processed (including enclosed processing systems), packed (bottled, boxed, canned, wrapped), transported, stored (including waste), prepared, or served, application is limited to crack and crevice and spot treatments only. All food or feed should be removed or covered before treatment.

Apply MELOCIDE DE-100 sparingly into cracks and crevices using equipment designed to place powder in specific locations. Treat open spaces below floors, above ceilings, within walls, under stairs, underneath and behind equipment or appliances, around pipes, under sinks, in utility closets, around garbage cans, etc.

No individual spot will exceed two (2) square feet. Limit spot treatments to wall or floor surfaces where pests have been seen or where pests are suspected of hiding.

Non-food/feed areas: Use crack and crevice and spot treatments as described above. Also apply MELOCIDE DE-100 to other interior spaces where pests hide, run or land, such as attics and spaces above suspended ceilings, garages, porches, utility rooms, storage rooms, basements and crawl spaces, cracks in baseboards, moldings and doorframes, corners in closets, cabinets and shelves, windowsills and frames, under and behind furniture and appliances, etc. Work into and apply under carpets, rugs, doormats, couches, and other furniture. Wash bedding for pets and apply dust to dry bedding and surrounding areas. Apply to mattresses and bed frames. Outdoors, apply to window and door frames, covered entrances and porches, and along foundations where dust will remain dry.