

11-19-75

373-69

GENERAL DIRECTIONS:

Malathion is used for the protection of stored peanuts and stored grain, such as wheat, oats, rice, corn, barley, grain sorghum, and field and garden seed. When used as directed it controls confused flour beetle, rice weevil, granary weevil, saw-toothed grain beetle, flat grain beetle, red flour beetle, rusty grain beetle, lesser grain borer, and Indian meal moth.

Emulsions made from Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) may be used for any or all of the following procedures: Residual warehouse spray, treatment of peanuts or grain before storage, the treatment of box cars or trucks prior to shipment of grain. Since the concentrations of ready-to-use emulsions and the methods of applications may differ, read specific directions for each procedure carefully before use. The following instructions apply to all procedures:

1. Use good spray equipment. Spraying pressures of 40 lbs. per square inch are recommended.
2. Nozzles should produce a coarse spray, and should give uniform spray patterns.
3. Avoid fine mists which may drift and fall.
4. Use freshly prepared emulsions to treat intended surface. Mix only enough emulsion to last for one day.
5. Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) must always be diluted with water before use.

RESIDUAL WAREHOUSE AND BIN SPRAY

Before spraying, clean surfaces to be treated removing and burning all sweepings and debris. Thoroughly spray the interior of empty warehouses or bins. Surfaces should be treated to the run-off point. Usually 2 gallons of finished spray will treat 1000 square feet. Treat cracks and crevices thoroughly. Avoid puddling of spray on floors. Recommended concentrations: 1/2 pint of Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) with sufficient water to make one gallon.

TREATMENT OF GRAIN BEFORE STORAGE

Emulsions made from Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) should be applied to the grain stream as the grain is being loaded or turned into final storage. One pint of Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) will treat 1000 bushels of grain. This should be mixed with sufficient water to assure even application. The amount of water used to treat 1000 bushels may vary between 2 and 5 gallons depending upon the spray equipment and the type of grain.

PROTECTION OF STORED PEANUTS

For protection of stored peanuts against infestations of red flour beetle, Indian meal moth, confused flour beetle, rice weevil, flat grain beetle, rusty grain beetle, lesser grain borer, granary weevil, and saw-toothed grain beetle apply Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) as follows:

Residual Warehouse Spray - Before Storing Peanuts: Clean warehouse thoroughly of trash and old remains of peanuts 1 to 2 weeks before new peanut crop is stored. Thoroughly spray with sufficient pressure interior of empty warehouse (including cracks and protected places) outside walls to height of 6 to 8 feet, and the ground to a distance of about 6 feet from warehouse by diluting 1 pint of Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) in sufficient water to make 2-1/2 gallons of spray or 1 gallon with 19 gallons of water. Apply finished spray at the rate of 2 gallons per 1000 square feet or to run-off.

Bulk Spray Treatment - Peanuts Going into Storage: Apply 2-1/2 pints of Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) in 5 gallons of water per 15 tons of farmers' stock peanuts as they go into storage. Apply coarse spray uniformly. Preferably use a suitable mechanical spray applicator which regulates rate of application to flow of peanuts. Otherwise, adjust pressure and size of nozzle opening to rate of flow of peanuts.

Supplemental Surface Spray: After warehouse has been filled, level surface of peanuts before spraying. Apply surface spray using 1-3/4 lbs. of premium grade malathion 25% WP in 2 gallons of water and apply at the rate of 2 gallons per 1000 square feet of surface. Apply first treatment as soon as bin is filled and leveled, but not later than the first week in October. Apply the second surface treatment 1 month later, followed by treatments at 2 month intervals. Use a piston type power sprayer equipped with agitator and nozzle capable of delivering a coarse spray. Repeat surface application 60 days later if warm temperatures prevail. Otherwise delay further treatment until late winter.

TREATMENT OF SURFACE OF UNINFESTED GRAIN

To protect uninfested stored grain from attack by insects noted above, 1/2 pint of Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) should be mixed with 1 to 2 gallons of water. This quantity will protect 1000 square feet of grain surface area. Uniform application is essential. Apply immediately after grain is stored and repeat if necessary.

TREATMENT OF BOXCARS PRIOR TO LOADING

1. Clean the boxcar thoroughly, then remove and burn all sweepings and debris.
2. Spray walls and floor to the point of run-off with 1 pint of Malathion 5 lb. Emulsifiable Concentrate (Premium Grade) in 2 gallons of water. Avoid puddling on floor.
3. Let the sprayed boxcar stand empty with the doors open until the spray has thoroughly dried.
4. Line the walls and floor of the boxcar with kraft paper before loading. Malathion may be used under the requirements of the Khapra beetle quarantine, where water or diesel oil emulsions are indicated, as prescribed by the current quarantine instructions.

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RESIDEX MALATHION 5 lb. EMULSIFIABLE CONCENTRATE

(PREMIUM GRADE)
FOR INDOOR USE ONLY

CAUTION! KEEP OUT OF REACH OF CHILDREN
(See Side Panel for Additional Caution Statements)

ACTIVE INGREDIENTS:

Malathion*	57%
Xylene	35%
INERT INGREDIENTS	8%
Total	100%

May also be used as an oil solution.

*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate.

(Contains 5 pounds of Malathion per gallon)

FOR THE PROTECTION OF STORED GRAINS, STORED PEANUTS.

E.P.A. Reg. No. 373-69
E.P.A. Est. No. 373-NJ-1

MANUFACTURED BY

residex

CORPORATION

225 TERMINAL AVENUE • CLARK, NJ 07066

ROACHES, ANTS, SPIDERS, SILVERFISH, CRICKETS, CL
In and about homes, dairies and food processing plants, use
tion, dilute 3 tablespoonsful of 57% Malathion Emulsifiable li
dilute 1 part of 57% Malathion Emulsifiable liquid in 19 parts
ic hydrocarbon-type solvent. Apply by means of coarse spra
drainboards, under sinks and stoves, and to other areas frequ
oroughly treat all cracks and crevices. Water-based sprays may
equipment and water.

CARPET BEETLES, CLOTHES MOTHS

Use a 3% Malathion water or oil based spray. Apply to base
closets), behind radiators and other lint-accumulation areas, c
cations above will also control clothes moth larvae in these
clothes moths, they should receive regular treatments with i
taken to thoroughly treat all cracks and crevices. Water-based

BEDBUGS

Use Malathion 57% Emulsifiable liquid at a rate of 2 to 4 tal
surfaces in sufficient quantity to "mist" the fabric and appl
sible hiding places.

FLEAS

Fleas in buildings and Pet Quarters Prepare 2% emulsion
Spray thoroughly floors, walls, rugs & carpets, cracks, crev
bedding and renew after treatment. Use no more frequently th

FOOD HANDLING ESTABLISHMENTS - Places other th
or served.

FOOD AREAS - APPLICATION LIMITED TO CRACK

Includes areas for receiving, storage, packing (canning, b
processing systems (mills, dairies, edible oils, syrups). Serv
considered a food area).

Using a 3% emulsion prepared as shown above, apply in str
delivering a pin stream of insecticide in points between diff
leading to voids and hollow spaces in walls, equipment legs
motor housing and electrical switch boxes or other electric

Care should be taken to avoid depositing the product i
contamination of food or food processing surfaces.

**APPLICATIONS OF THIS PRODUCT IN THE FOOD AF
A CRACK AND CREVICE TREATMENT, ARE NOT P**

For all the above uses observe the following precautions:
Do not Contaminate Food, Dishes, or Utensils.
Repeat Applications as Necessary.
Do Not Use, Pour, Spill, or Store Near Heat or Open Flame

Harmful if swallowed. Avoid breathing of spray mist. Avoid
stuffs. Keep container closed and away from heat, sparks ar
ating or crushing. Bury or discard in a safe place away from w
This product is toxic to fish. Keep out of lakes, streams, or
wastes. Apply this product only as specified on this label.

Do not use in edible products areas of food processing p
processed. Do not use in serving areas while food is exposed

NET

MALATHION EMULSIFIABLE LIQUID

(EPA
REGISTERED
GENERAL
USE ONLY
KEEP OUT OF REACH OF CHILDREN
(See back panel for Additional Caution Statements)

(See back panel for Additional Caution Statements)

(See back panel for Additional Caution Statements)

(See back panel for Additional Caution Statements)

.....	57%
.....	35%
.....	8%
Total	100%

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Malathion CORPORATION

..... • CLARK, NJ 07066

ROACHES, ANTS, SPIDERS, SILVERFISH, CRICKETS, CLOVER MITES, EARWIGS

In and about homes, dairies and food processing plants, use 3% Malathion in either water or deodorized kerosene. To make a water solution, dilute 3 tablespoonsful of 57% Malathion Emulsifiable liquid in 1 part of water (6-1/2 ounces per gallon). To make an oil solution, dilute 1 part of 57% Malathion Emulsifiable liquid in 19 parts of a mixture consisting of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent. Apply by means of coarse spray or paintbrush or low-pressure spray bomb to window frames, baseboards, drainboards, under sinks and stoves, and to other areas frequented by insects. Spray surfaces until wet. Care should be taken to thoroughly treat all cracks and crevices. Water-based sprays may stain finished surfaces. Avoid contamination of food, utensils, milk, milk equipment and water.

CARPET BEETLES, CLOTHES MOTHS

Use a 3% Malathion water or oil based spray. Apply to baseboards, floors (including areas under carpets, along margins of carpets and in closets), behind radiators and other lint-accumulation areas, on closet shelves and walls, and on infested surface areas of carpeting. Applications above will also control clothes moth larvae in these locations. If clothing or woolen goods are to be protected from attack by clothes moths, they should receive regular treatments with a suitable mothproofing material. Spray surfaces until wet. Care should be taken to thoroughly treat all cracks and crevices. Water-based sprays may stain finished surfaces.

BEDBUGS

Use Malathion 57% Emulsifiable liquid at a rate of 2 to 4 tablespoonsful per gallon of deodorized kerosene. Apply lightly to all mattress surfaces in sufficient quantity to "mist" the fabric and apply generously to beds and woodwork with special care taken to wet all possible hiding places.

FLEAS

Fleas in buildings and Pet Quarters - Prepare 2% emulsion by diluting one part Residlex Malathion 57% E.C. with 29 parts of water. Spray thoroughly floors, walls, rugs & carpets, cracks, crevices of infested area and pets' living and sleeping quarters. Remove old pet bedding and renew after treatment. Use no more frequently than once every two or three weeks.

FOOD HANDLING ESTABLISHMENTS - Places other than private residences in which exposed food is held, processed, prepared or served.

FOOD AREAS - APPLICATION LIMITED TO CRACK AND CREVICE TREATMENT ONLY

Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing) preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation also would be considered a food area).

Using a 3% emulsion prepared as shown above, apply in small amounts directly into cracks and crevices using equipment capable of delivering a pin stream of insecticide in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases, where cockroaches hide. Do not use this product in conduits, motor housing and electrical switch boxes or other electrical facilities.

Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT, ARE NOT PERMITTED.

For all the above uses observe the following precautions:

Do not Contaminate Food, Dishes, or Utensils.

Repeat Applications as Necessary.

Do Not Use, Pour, Spill, or Store Near Heat or Open Flame.

CAUTION

Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin. Wash thoroughly. Avoid contaminating of feed and food stuffs. Keep container closed and away from heat, sparks and open flame. Keep out of reach of children. Destroy container by perforating or crushing. Bury or discard in a safe place away from water supplies.

This product is toxic to fish. Keep out of lakes, streams, or ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

Do not use in edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

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