



MALATHION

PREMIUM GRADE MALATHION

E-5

5 LBS. PER GALLON
FOR AGRICULTURE—ANIMALS
GRAIN AND CEREAL PRODUCTS

CAUTION

Keep Out of Reach of Children

SEE SIDE PANEL FOR ADDITIONAL CAUTIONS.

DO NOT USE, POUR, SPILL OR STORE NEAR
HEAT OR OPEN FLAME.

ACTIVE INGREDIENTS:

Malathion*	70%
Xylene	33.0%
INERT INGREDIENTS	10.0%
	100.0%

*1,0,0-dimethyl dithiophosphate of diethyl mercaptosuccinate

EPA REGISTRATION # 8329-11 EPA EST. # 063291L01

CLARKE OUTDOOR SPRAYING CO., INC.
7N570 Garden Avenue
Roselle, Illinois 60172

DIRECTIONS

BEFORE USE READ DIRECTIONS, CAUTION
AND NOTICE STATEMENTS CAREFULLY

Dissolve in sufficient water for complete coverage unless otherwise specified.

For ground application use from 10 to 20 gallons of water per acre. For aerial application dilute with 3 to 4 gallons of water per acre.

For fruit applications thorough, full coverage applications should be made.

PLANT INSECT CONTROL

PLANT	PEST	Dilution Per 100 Gallons Water	Int. Days Between Last App & Harvest
Apples**	European Red Mite, Green	2 pints	3
Pears**	Apple Aphid, Red Winter, Leaf Roller, Codling Mite	2 pints	3
Peaches**	Fly, Curculio	2 pints	7
Grapes**	Leafhopper, Spider Mites	1 1/2 pints	3
Melons***	Aphid, Spider Mites	1 pint	1
Onions	Thrips	1 1/2 pints	3
Potatoes	Aphids, Leaf	1 pint	3
Tomatoes	Spider Mites, Aphids	1 1/2 pints 1 pint	3
Ornamentals*	Aphid, Spider Mites, Thrips, Rose Leafhopper, Bagworms	1 1/2 pints 2 pints	1
Alfalfa*	Aphids, Potato Leafhopper, Spider Mites, Spittle Bug, Alfalfa Weevil Larvae, Grasshopper	1 1/2 to 2 pints	7
Barley, Oats, Rye, Wheat (Grain Farms)	English Green Aphid, Greenbugs	1 1/2 pints	7

ANIMAL INSECT CONTROL

HOGS: Lice and sarcoptic mange, mix 4 tablespoons MALATHION E-5 in one gallon (1 qt. to 25 gals.) of water and apply as a complete coverage spray to animals, pens and litter. For mange spray all animals in herd, cover all body surfaces, including inside of ears. After treatment keep hogs out of sun and wind for four hours. One treatment will usually control; however, extensive cases of mange may need re-treatment in 10 days; for lice re-treat as necessary.

BEEF CATTLE: To control lice dilute 1 quart of MALATHION E-5 in 25 gallons of water, for tick control 1 to 2 quarts per 25 gallons and for hornfly control 1 to 1 1/2 quarts per 25 gallons of water. Apply complete coverage spray. For lice repeat application only as needed. For ticks and hornfly control, repeat application at 2-week intervals if needed. Do not treat calves under one month of age. Do not apply to dairy animals.

DOGS AND CATS: To control fleas mix 2 tablespoons in one gallon of water, wet animal thoroughly using a hand sprayer. Repeat applications if necessary, not more often than once every 2 or 3 weeks. Do not treat animals under 1 month of age.

ANIMAL QUARTERS: For control of fleas in kennels, pens, yards, lawns and under houses, remove manure or debris. Apply spray containing 10 tablespoons per gallon of water at rate of 1 gallon to 1,000 sq. ft. Use garden sprayer.

POULTRY (Direct Application): To control Northern Fowl Mite and Poultry Lice use 2 tablespoons per 1 gallon water per 100-150 birds. Premise Treatment: To control above plus Chicken Red Mite and Fleas use 4 tablespoons in 1 gallon of water. Apply liberally to litter, walls, ceilings, roosts, nests and adjacent areas. Force spray into cracks and crevices. On all poultry treatments, repeat as necessary.

OUTDOORS — Mosquitoes and Small Flying Insects: Use 2% MALATHION E-5 fog, aerosol or space spray, Dilute MALATHION E-5 1 to 28 parts with water, fuel oil or diesel oil, for 2% spray. Repeat applications as necessary. Avoid applying oil based spray to ornamental plants.

**May cause injury to alfalfa and fourleaf clover in summer sprays. Base plants under certain conditions in North-east, Ribwort grapes, certain ferns, some species of crassula and carnation jumper.

***Do not apply to cucurbits unless plants are dry.

*Do not apply to alfalfa or clover. Make repeat applications as needed.

#Per acre rates.

#Do not apply more than 700 gallons per acre of spray mixture.

Note — For control of Codling Moth and Plum Curculio apply at petal fall and every 10 to 14 days thereafter until control is achieved.

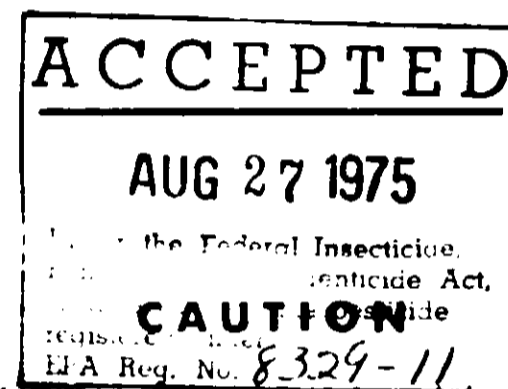
NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

MEAT AND FOOD PROCESSING PLANTS: For control of flies in and around buildings which house domestic animals, around yards, homes, meat and food processing plants — dilute 1 ounce in 1 1/2 quarts of water (1 cup in 2 1/2 gal.) for bait spray add 1 ounce of sugar, corn syrup or unsulfurized molasses to 1 1/2 quarts of mixture (1 cup to 2 1/2 gal.) Apply spray at rate of one gallon per 1,000 square feet on painted (2 gallons on unpainted) surface where flies alight or congregate.

Do not apply in edible products areas of meat and food processing plants. Remove dairy animals and calves under one month of age from building being treated.

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.

Remove dairy animals and calves under one month of age from building being treated.



Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin, wash thoroughly after using. Avoid contamination of feed and foodstuffs. Keep out of the reach of children. Misuse as to quantity, timing or method of application can cause damage or injury to animals, persons, property or crops or cause residues in excess of official tolerances.

THIS PRODUCT is toxic to fish. Keep out of any body of water. Do not apply when weather conditions favor drift of spray from areas treated.

Do not contaminate water by cleaning of equipment, or disposal of wastes. Do not apply where runoff is likely to occur. Apply this product only as specified on this label.

DO NOT reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place or return drum to drum conditioner.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Co-operative Agricultural Extension Service.

DO NOT use animal quarters and premise treatment concentrations on animals or poultry. Do not use in milk rooms.

MALATHION E-5 is a cholinesterase inhibitor. Do not use this product on animals simultaneously or within a few days before or after treatment with or exposure to cholinesterase inhibiting drugs, pesticides or chemicals; Atropine is antidote; Consult veterinarian at first sign of adverse reaction.

DIRECTIONS

Protection of Stored Grains — For the protection of stored wheat, oats, rice, corn, rye, barley, grain sorghum, and field or garden seeds, against 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, apply 1 pint of MALATHION E-5 in 2 to 5 gallons of water per 1000 bushels. Apply as the grain is being loaded or turned into final storage. Field and Garden Seeds can be protected against the above grain pests with a dosage of 1/2 pint of MALATHION E-5 in 1 to 2 1/2 gallons of water per 500 bushels of seed.

Malathion may be used under the requirements of the Khapra Beetle quarantine, where water or diesel oil emulsions are indicated, as prescribed by current quarantine instructions.

To protect stored grains from attacks by Indian meal moth, apply MALATHION E-5 to the surface of clean or uninfested grain at the rate of 1/2 pint in 1 to 2 gallons of water per 1000 square feet of grain surface area. Apply the spray evenly over the surface of the grain. Apply immediately after grain is loaded to storage and repeat if necessary.

Residual Spray — For a residual wall, floor, and machinery spray in grain elevators, in treating truck beds, box cars, and ships' holds before loading grain, apply 1 gallon of MALATHION E-5 per 25 gallons of water, making thorough application. Before applying spray, clean elevators, boxcars, etc., thoroughly. Remove and burn all sweepings and debris.

In ships holds, wear mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material. Wear protective clothing to prevent as much of the skin as possible from exposure. Wash hands and face after using.

RESIDUAL SPRAY — BOXCARS FOR LOADING AND TRANSPORTING BAGGED FLOUR AND PACKAGED CEREALS:

For control of the exposed stages of confused flour beetle, rice weevil, granary weevil, saw-toothed grain beetle, flat grain beetle, red flour beetle, rusty grain beetle, lesser grain borer, Indian meal moth and mite pests infesting empty boxcars into which bagged flour and packaged cereals are to be loaded and transported, apply MALATHION E-5 as follows:

1. Clean the boxcar thoroughly, then remove and burn all sweepings and debris.
2. Spray walls and floor to the point of runoff with either 1 gallon of MALATHION E-5 in 25 gallons of water, or 1 gallon of this product in 19 gallons of deodorized kerosene (The deodorized kerosene solution should be made up of 4 parts Deosol or other kerosene-type solvent plus 1 part Xylene Solvent or other aromatic hydrocarbon-type solvent).
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

PREMIUM GRADE MALATHION

E-5

5 LBS. PER GALLON
FOR AGRICULTURE—ANIMALS
GRAIN AND CEREAL PRODUCTS

CAUTION

Keep Out of Reach of Children

SEE SIDE PANEL FOR ADDITIONAL CAUTIONS.

DO NOT USE, POUR, SPILL OR STORE NEAR
HEAT OR OPEN FLAME.

ACTIVE INGREDIENTS:

Malathion*	57.0%
Xylene	33.0%
INERT INGREDIENTS	10.0%
	100.0%

*(0,0—dimethyl dithiophosphate of diethyl mercaptosuccinate)

EPA REGISTRATION = 8329 EPA EST. = 083291L01

CLARKE OUTDOOR SPRAYING CO., INC.
7N570 Garden Avenue
Roselle, Illinois 60172

DIRECTIONS

BEFORE USE READ DIRECTIONS, CAUTION
AND NOTICE STATEMENTS CAREFULLY

Dissolve in sufficient water for complete coverage unless otherwise specified.

For ground application use from 10 to 20 gallons of water per acre. For aerial application dilute with 3 to 10 gallons of water per acre.

For fruit applications, thorough, full coverage applications should be made.

PLANT INSECT CONTROL

PLANT	PEST	Dilution Per 100 Gallons Water	Int. Days Between Last App & Harvest
Apples**	European Red Mite, Green	2 pints	3
Pears**	Apple Aphid, Red banded Leaf Roller, Codling Moth		3
Peaches**	Plum Curculio	2 pints	7
Grapes**	Leafhopper, Spider Mites	1 1/2 pints	3
Melons***	Aphids, Spider Mites	1 1/2 pints	1
Onions	Thrips	1 1/2 pints	3
Potatoes	Aphids, Leafhopper	1 pint	3
Tomatoes	Spider Mites, Aphids	1 1/2 pints 1 pint	3
Ornamentals**	Aphids, Spider Mites, Thrips, Rose Leafhopper, Bagworms	1 1/2 pints 2 pints	1
Alfalfa*	Aphids, Potato Leafhopper, Spider Mites, Spittle Bug, Alfalfa Weevil Larvae, Grasshopper	1 1/2 to 2 pints	7
Barley, Oats, Rye, Wheat (Grain Farms)	English Grain Aphid, Greenbugs	1 1/2 pints	7

ANIMAL INSECT CONTROL

HOGS: Lice and sarcoptic mange, mix 4 table-
spoons MALATHION E-5 in one gallon (1 qt. to
25 gals.) of water and apply as a complete
coverage spray to animals' pens and litter. For
mange spray all animals in herd on all body
surfaces, including inside of ears. After treat-
ment keep hogs out of sun and wind for 24
hours. One treatment will usually control the
ever, extensive cases of mange may require
treatment in 10 days, for more treatment as
necessary.

BEEF CATTLE: To control lice dilute 1 quart
MALATHION E-5 in 25 gallons of water for
control. 1 to 2 quarts per 25 gallons of water
for hornfly control. 1 to 1 1/2 quarts per 25 gallons
of water. Apply complete coverage spray. For
lice repeat application only as needed. For
ticks and hornfly control, repeat application at
2-week intervals if needed. Do not treat calves
under one month of age. Do not apply to dairy
animals.

DOGS AND CATS: To control fleas mix 2 table-
spoons in one gallon of water, wet animal
thoroughly using a hand sprayer. Repeat appli-
cations if necessary, not more often than once
every 2 or 3 weeks. Do not treat animals
under 1 month of age.

ANIMAL QUARTERS: For control of fleas in ken-
nels, pens, yards, lawns and under houses, re-
move manure or debris. Apply spray containing
10 tablespoons per gallon of water at rate of
1 gallon to 1,000 sq. ft. Use garden sprayer.

POULTRY (Direct Application): To control North-
ern Fowl Mite and Poultry Lice use 2 table-
spoons per 1 gallon water per 100-150 birds.
(Premise Treatment.) To control above plus
Chicken Red Mite and Flies use 4 tablespoons
in 1 gallon of water. Apply liberally to litter,
walls, ceilings, roosts, nests and adjacent areas.
Force spray into cracks and crevices. On all
poultry treatments, repeat as necessary.

**OUTDOORS — Mosquitoes and Small Flying in-
sects:** Use 2% MALATHION E-5 fog, aerosol or
space spray, Dilute MALATHION E-5 1 to 28
parts with water, fuel oil or diesel oil, for 2%
spray. Repeat applications as necessary. Avoid
applying oil based spray to ornamental plants.

**May cause injury to McIntosh and Courtland apples in
summer sprays. Bosc pears under certain conditions in North
east; Ribler grapes; certain ferns, some species of crassula
and canoert juniper.

***Do not apply to cucurbits unless plants are dry.
*Do not apply to alfalfa in bloom. Make repeat applica-
tions as needed.

†Per acre rates

‡Do not apply more than 700 gallons per acre of spray
mixture.

Note — For control of Codling Moth and Plum Curculio
apply at petal fall and every 10 to 14 days thereafter until
control is achieved.

NOTICE: Seller makes no warranty, expressed or implied,
concerning the use of this product other than indicated on
the label. Buyer assumes all risk of use and/or handling of
this material when such use and/or handling is contrary to
label instructions.

MEAT AND FOOD PROCESSING PLANTS

Control of flies in
house domestic animal
meat and food processing
plants, etc.

Apply as a complete
coverage spray to all
surfaces, including
inside of ears.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

CAUTION

Harmful if swallowed. Avoid breathing of
spray mist. Avoid contact with skin, wash
thoroughly after using. Avoid contamination of
feed and foodstuffs. Keep out of the reach of
children. Misure as to quantity, timing or
method of application can cause damage or
injury to animals, persons, property or crops or
cause residues in excess of official tolerances.

THIS PRODUCT is toxic to fish. Keep out of any
body of water. Do not apply when weather
conditions favor drift of spray from areas treat-
ed.

Do not contaminate water by cleaning of equip-
ment, or disposal of wastes. Do not apply where
runoff is likely to occur. Apply this product
only as specified on this label.

DO NOT reuse empty container. Destroy it by
perforating or crushing. Bury or discard in a
safe place or return drum to drum reconitioner.

This product is highly toxic to bees exposed to
direct treatment or residues on crops. Protective
information may be obtained from your Co-
operative Agricultural Extension Service.

DO NOT use animal quarters and premise treat-
ment concentrations on animals or poultry. Do
not use in milk rooms.

MALATHION E-5 is a cholinesterase inhibitor.
Do not use this product on animals simultan-
eously or within a few days before or after
treatment with or exposure to cholinesterase
inhibiting drugs, pesticides or chemicals; Atro-
pine is antidote; Consult veterinarian at first
sign of adverse reaction.

DIRECTION

Apply as a complete
coverage spray to all
surfaces, including
inside of ears.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.

Remove dairy animals and
calves of less than one
month of age from building being treated.