

# DE-FEND<sup>®</sup>

# E-267

**DIMETHOATE SYSTEMIC INSECTICIDE**

**WARNING: Keep Out of Reach of Children**

SEE BACK PANELS FOR ADDITIONAL PRECAUTIONS  
DO NOT STORE BELOW FREEZING TEMPERATURES.

**ACTIVE INGREDIENT:**

Dimethoate ..... 30.5%  
(O, O dimethyl S [N methylcarbamoylmethyl] phosphorodithioate)\*

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Fungicide, an  
as amended,  
registratio  
EPA Reg. No

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**ACTIVE INGREDIENT:**

Dimethoate ..... 30.5  
(O, O dimethyl S-[N methylcarbamoylmethyl] phosphorodithioate)\*

INERT INGREDIENTS ..... 69.5  
100.0

\*(Contains 2.67 lbs. per gallon)  
\*Based on dimethoate ROGOR produced by Montecatini Edison

# NET CONTENTS 5 GALLONS

ACCEPTED

AUG 28 1975

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 148-865

handling. Do not contaminate food or feed products. Do not use, pour, spill or store near heat or open flame.

This product is toxic to birds, shrimp, crabs and other wildlife. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your cooperative agricultural extension service.

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place.

BEFORE USE READ DIRECTIONS, CAUTION AND NOTICE STATEMENTS CAREFULLY

DE-FEND E-267 may be used for control of certain insects on crops including leafminers, lygus bugs, aphids, thrips, leafhoppers, grasshoppers and mites. Forage, fruit, vegetable and staple crops on which DE-FEND E-267 may be used include apples, beans, cole crops (broccoli, cabbage, cauliflower), cotton, lettuce, pears, peas, peppers, potatoes, spinach, tomatoes. See table for insects, crops and conditions under which DE-FEND E-267 may be used. DE-FEND E-267 kills insects by systemic, contact and residual action. Excellent control is obtained of insects on the underside of leaves and stems or rolled into leaves as well as those which are more exposed to the spray.

FOR GENERAL APPLICATION by commercial growers or commercial applicators, on the crops listed, apply recommended amounts in sufficient water for good coverage.

FOR AERIAL APPLICATION use the recommended amount of DE-FEND E-267 in 2 to 10 gallons of water. Avoid drift

Boxwood	Mea Mite
Camellias	Aph Cam Sca Mite Tea
Carnations	Aph Thrip Mite
Cedar	Mite
Cyperus	Bacti Lar
Day Lillies	Aph Thrip
Euonymous	Aph Scale

RESIDUAL WALL  
hou pens, calf ba  
ceilings, walls, and  
water. Thoroughly  
to 1,000 square feet  
DE-FEND E-267 c  
Repeat application  
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SPOT SPRAYS E  
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**AUG 28 1975**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, this pesticide  
is registered under  
EPA Reg. No. **148-845**

**of Children**

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**FOR GENERAL APPLICATION** by commercial growers or commercial applicators, on the crops listed, apply recommended amounts in sufficient water for good coverage.

**FOR AERIAL APPLICATION** use the recommended amount of DE-FEND E 267 in 2 to 10 gallons of water. Avoid drift to adjacent crops. Repeat application as necessary unless otherwise specified. Consult agricultural extension or agricultural experiment station specialists regarding recommendations of time of application. Apply when air is calm and the temperature below 60° F.

Do not apply during bloom period or on citrus seedlings. Make no more than 2 applications to mature fruit.

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

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Boxwood	Leaf Miners Mealy Bugs Mites	1.5 oz. For leaf miners apply in spring when leaf miner flies first appear or in early summer for control of larvae in the infested leaves.
Camellias	Aphids Camellia Scale Mites Tea Scale	1.5 oz. Foliar Spray: Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after first growth begins in the spring. Soil Drench: Apply as a soil drench around the base of plants in early spring at the rate of 4 tablespoons per gallon of water per plant up to 6 feet tall. Increase this rate proportionately for larger plants.
Carnations	Aphids Thrips Mites	1.5 oz. Soil Drench: Apply as a soil drench at the rate of 4 fluid ounces per 500 square feet of bed or bench (5 qts. per 1/2 acre) in sufficient water for even distribution. Water in thoroughly after application.
Cedar	Mites	3 oz.
Cyperus	Bactra Moth Larvae	1.5 oz. Apply as a drenching spray.
Day Lillies	Aphids Thrips	oz.
Euonymus	Aphids Scale	3 oz.

Holly (English and American, not Burford variety)	Leaf Miners Mites Soft Scale	1.5 oz. For leaf miners apply in spring when leaf miner flies first appear or in early summer for the control of larvae in infested leaves.
Iris	Aphids Iris Borer Thrips	3 oz. For borer control spray when new leaves are 5-6 inches tall.
Juniper	Aphids Bagworms Midges Mites	3 oz.
Oak	Golden Oak Scale	3 oz.
Pine	Aphids Bagworms European Pine Shoot Moth Nantucket Pine Tip Moth Zimmerman Pine Moth	3 oz.
Poinsettias (Outdoor Plants)	Mites White Flies Mealy Bugs Aphids	1.5 oz.
Roses	Aphids Leafhoppers Mites Thrips	1 pt. in 5-10 gal. water by air, 1 pt. in 100 gallons water ground application.
Taxus	Fletcher Scale Mealy Bugs Mites	3 oz.

**HOUSEFLIES**

**RESIDUAL WALL SPRAY** For the control of houseflies, including resistant strains, in dairy barns, hog pens, calf barns, poultry houses, and other farm buildings, apply a 1% residual spray to the ceilings, walls, and stanchions. Prepare the spray by mixing 3/4 pint of DE-FEND E-267 in 3 gallons of water. Thoroughly wet all fly-resting areas to the point of run-off. One gallon of spray will cover 500 to 1,000 square feet of surface.

DE-FEND E-267 controls flies up to 8 weeks or longer. Repeat applications should be made when necessary. Remove dairy animals, calves under one month of age and poultry from building when applying residual wall sprays.

**SPOT SPRAYS:** For localized housefly control, apply a spray containing 6 ounces of DE FEND E-267 in 5 quarts of water with a knapsack or similar type sprayer to areas frequented by flies, such as doorways, and around windows. Repeat applications should be made when necessary. Good sanitation is a necessary part of any effective fly control program.

**MAGGOT SPRAYS:** For the control of housefly maggots, mix 6 ounces DE FEND E-267 in 5 quarts of water and apply as a coarse spray or with a sprinkling can to fly breeding areas, such as poultry droppings in caged-layer houses, garbage dumps and manure piles. Repeat application as additional manure or garbage is added.

**GENERAL OUTSIDE USE:** For the control of houseflies around homes and recreation areas, garbage cans, animal quarters, food-processing plants, warehouses, loading docks and refuse areas, thoroughly spray exposed surfaces, such as walls, fences, garbage and refuse containers with 3/4 pint of DE-FEND E-267 in 3 gallons of water.

Beans (green, lima, snap, dry)	Aphids, Leafhoppers, Leaf miners, Mites, Lygus bugs	3/4-1 1/2 pints Acre	Peas may be harvested on day of application. Do not feed treated vines.
Broccoli Cauliflower	Aphids	3/4-1 1/2 pints Acre	Do not apply less than 7 days before harvest. Do not apply less than 3 days before harvest.
Cabbage	Leafminers	1 1/2 pints Acre	Ground Equipment. Do not apply less than 7 days before harvest.
Celery (Florida)			
Citrus (non-bearing) (Ariz. & Calif.)	Thrips Aphids		<b>FOLIAR SPRAY:</b> Apply 1 1/2 pints per 100 gallons of water. Repeat application as necessary. <b>SOIL DRENCH:</b> For trees 1-3 years old apply 3 quarts per acre in the furrow or soil ring around the base of the tree. Apply as soon as insect injury to new growth begins. Use only on non-bearing trees. Nursery stock application should not be made in the year trees begin to bear fruit.
Corn (Field)	Banks Grass Mite (except Tran pecos area of Texas)	1 to 1 1/2 pints Acre	Broadcast by air. Spray over the foliage when mites appear. Apply in ratio of 1 part DE-FEND E-267 in 20 quarts water. Do not use less than 2 1/2 gallons per acre for 1 pint rate. Days between last application and harvest 14 (forage) 21 (silage). Apply as necessary. Make no more than 3 applications per year.
Cotton	Aphids, Mites Thrips, Fleahoppers Lygus bugs	1 3-2 3 pint Acre 2 1/2 pint Acre	Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields. Do not apply less than 14 days before harvest.
Cotton (Grown in Ariz. & Calif.)	Lygus bugs, Leafhoppers, Thrips Black fleahoppers	3/4-1 1/2 pint Acre	Do not apply less than 14 days before harvest. Do not repeat application within 14 days. Do not feed treated forage or graze livestock on treated fields.
Lemons Oranges Grapefruit Tangerines	Aphids Thrips Mites (except rust mite) Scales (except black or snow) White flies	15 15 45 15	Ground Equipment: 3/4 to 1 1/2 pts./100 gal. water. Maximum of 5 pts./acre. Apply as an outside coverage spray. Aircraft Equipment: 3-6 pts./acre in 15-20 gal. water. Ground Equipment: 3/4 to 1 1/2 pts./100 gal. water. Maximum of 6 pts./acre. Apply as a thorough distribution coverage spray. Ground Equipment: 1 1/2 to 2 1/2 pts./100 gal. water. Maximum of 6 pts./acre. Apply as a thorough coverage spray.
Lettuce (Head)	Aphids, Leafhoppers Leaf miners	3/4 pint Acre	Do not apply less than 7 days before harvest.
Lettuce (leaf) Spinach Collards Kale, Turnip (greens and roots)	Aphids Leafhoppers Leaf miners	3/4 pint Acre	Do not apply less than 24 days before harvest.
Mustard greens Swiss chard Endive (escarole)	Aphids, Leafhoppers, Leaf miners	3/4 pint Acre	Do not apply less than 24 days before harvest.
Peas	Aphids	1 1/2 pint Acre	Peas may be harvested on day of application. Do not feed or graze hay within 21 days after last application when a stationary viner is used. Do not feed or graze when a mobile viner is used.
Pecans	Aphids, Mites Leafhoppers	1 pint Acre	Apply with ground equipment or aerial equipment (aphids only, use 5 gallons of finished spray per acre). Do not graze livestock in treated groves. Allow 21 days between last application and harvest.
Peppers	Aphids, Leaf miners, Maggots	3/4-1 pint Acre	Peppers may be harvested on day of application.
Potatoes	Aphids, Leaf miners, Leafhoppers	3/4-1 1/2 pints Acre	Potatoes may be harvested on day of application.
Safflower (grown in Calif.)	Aphids, Leafhoppers, Lygus bugs, Thrips	3/4-1 1/2 pints Acre	Do not apply less than 14 days before harvest. Repeat applications should not be made at intervals closer than 14 days. Do not make more than two applications at the higher rate.
Sorghum (Milo)	Greenbug	3/4 to 1 1/2 pints Acre	1 1/2 to 2 1/2 pt. A for light infestations on young sorghum prior to head formation. Do not feed or graze within 28 days of last application. Make up to three aerial applications or three ground applications as needed per season.
Tobacco	Aphids	3/4-1 pints Acre	Do not apply less than 21 days before harvest.
Wheat (grown in Texas)	Aphids (Greenbugs)	3/4-1 pint Acre	Do not apply within 14 days of harvest.

Days between last application and harvest

