

NOTIFICATION
LABEL NOT
PER PR N
DATE AUG 1990

(1) date =

7-20-90

Dimethoate 4E

SYSTEMIC INSECTICIDE

ACTIVE INGREDIENT:

Dimethoate (0,0-dimethyl S-(N-methyl-carbamolymethyl)
phosphorodithioate) 43.5%

INERT INGREDIENTS: 56.5%
TOTAL 100.0%

1 gallon contains 4 pounds Dimethoate

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

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

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Give one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: If not breathing, give artificial respiration. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention.

IF ON SKIN: Wash off with soap and water and remove contaminated clothing and shoes. Get medical attention.

See Additional Precautionary Statements Below

PRECAUTIONARY STATEMENTS

Hazards To Humans And Domestic Animals

WARNING

May be fatal if swallowed. May cause eye injury. Harmful if absorbed through skin. Harmful if inhaled. May cause irritation of the nose and throat. Do not get into eyes. Avoid breathing the vapor or spray mist. Wash thoroughly with soap and water after handling and before eating or smoking. Wash clothing before reuse.

NOTE TO PHYSICIAN: This product may cause cholinesterase inhibition. Antidote is atropine.

Keep away from domestic animals and foodstuffs. Do not contaminate or apply onto feed or foodstuffs.

REQUIRED CLOTHING AND EQUIPMENT FOR APPLICATION:

All applicators, flaggers and all personnel involved with the mixing, loading, and transferring operations must wear the protective clothing and equipment enumerated below. Pilots are exempt from this requirement. The protective clothing and equipment to be worn is as follows.

- Impermeable gloves (for example, rubber or plastic covered reinforced gloves)
- Boots or boot covers.
- Long-sleeved shirt and long pants.
- Wide-brimmed hat.
- Respirators must be worn by flaggers and mixer/loaders.

Wear goggles, face shield or safety glasses when applying or mixing pesticide

ENVIRONMENTAL STATEMENTS

This product is toxic to shrimp, crab, birds, and other wildlife. Keep out of lakes, streams, ponds, tidal marshes and estuaries. 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 toxic to bees and should not be applied when bees are actively visiting the area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or flame

DIRECTIONS FOR USE

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

EPA Reg. No. 51036-110

EPA EST. NO. 51036-GA-1

89 Rev A
P/N 032

Manufactured By
MICRO FLO COMPANY
P.O. BOX 5948
LAKELAND, FLORIDA 33807

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

RE-ENTRY STATEMENTS

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers.

Written or oral warnings must include the following information.

WARNING! Area treated with Dimethoate on (date of application). Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure, call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Dimethoate and describe his condition.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE: Do not store below temperature of 32 degrees F., as it may tend to crystallize. Avoid storage above 90 degrees F., as prolonged storage above 90 degrees F. may cause some loss in grade. Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

AERIAL APPLICATION:

AUTOMATIC FLAGGING DEVICES SHOULD BE USED WHENEVER FEASIBLE. IF HUMAN FLAGGERS ARE EMPLOYED THEY MUST WEAR THE PROTECTIVE CLOTHING AND RESPIRATOR SPECIFIED ON THIS LABEL.

BEFORE USING, READ WARNING STATEMENTS ON CONTAINER LABEL.

This product is intended for use by the commercial grower or commercial applicator in conventional hydraulic sprayers, ground applicators or airplane sprayers. When applying by ground equipment, use the recommended amount in sufficient water for thorough coverage; by aircraft in 2 to 10 gallons of water unless otherwise specified. Do not apply when weather conditions favor drift of spray from areas treated. Repeat applications as necessary unless otherwise specified. Consult your state experiment station or state extension service for proper timing of applications.

CROPS

Interval (Days) Between Last Application and Harvest ()

FRUIT

APPLES: Apple maggot*, Codling moth** - 1 pt./100 gals. water (28). Do not apply during the bloom period. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not graze livestock in treated orchards.

*Under heavy infestations, some sting injury may occur.

**Midwest and eastern states only.

APPLES, PEARS: Aphids, Leafhoppers, Mites (except rust mites) - 1 to 1 pt./100 gals. water (28). Do not apply during the bloom period. Do not graze livestock in treated orchards.

GRAPEFRUIT, LEMONS, ORANGES, TANGERINES: Aphids - Ground Equipment 1 to 1 pt./100 gals. water. Apply as an outside coverage spray. Aircraft equipment 1 to 2 qts./acre in 5 to 10 gals. water (15). Mites (except rust mites) - Ground Equipment 1 to 1 pt./100 gals. water. Apply as a thorough distribution coverage spray (15). Scales (except black or snow) - Ground Equipment 1 to 1 pt./100 gals. water. Apply as a thorough coverage spray (45). Thrips - Ground Equipment 1 to 1 pt./100 gals. water. Apply as a mist spray. Aircraft Equipment: 1 to 2 qts./acre in 5 to 10 gals. water (15). Whiteflies - Ground Equipment 1 pt./100 gals. water. Apply as a thorough distribution coverage spray (15). Do not apply during bloom period. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not enter treated groves within 4 days of last application.

NUTS

PECANS: Aphids, mites, leafhoppers - Ground equipment 2-3 pt./acre. Aphids - Aerial Equipment 2-3 pt./acre in a minimum of 5 gals. of finished spray (21). Do not graze livestock in treated groves.

VEGETABLE CROPS

BEANS (GREEN, LIMA, SNAP, DRY): Aphids, grasshoppers, leafhoppers, leaf miners, lygus bugs, mites - 1 to 1 pt./acre. Beans may be harvested on day of application. Do not feed treated vines.

BROCCOLI, CAULIFLOWER: Aphids - 1 to 1 pt./acre (7).

CABBAGE: Aphids - 1 to 1 pt./acre (3).

HEAD LETTUCE: Aphids, leafhoppers, leaf miners - 1 pt./acre (7).

CELERY (Florida): Leaf miners - Ground Equipment 1 pt./acre (7).

LEAF LETTUCE, SPINACH, COLLARDS, KALE, TURNIP (GREENS AND ROOTS), MUSTARD GREENS, SWISS CHARD, ENDIVE (ESCAROLE): Aphids, leafhoppers, leaf miners - 1 pt./acre (14).

MELONS (EXCEPT WATERMELONS): Aphids, leafhoppers, leaf miners, thrips - 1 pt./acre (3).

PEAS: Aphids - 1-3 pt./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.

PEPPERS: Aphids, leaf miners, maggots - 1 to 2-3 pt./acre. Peppers may be harvested on day of application.

EPA Reg. No. 51036-110

EPA EST. NO. 51036-GA-1

Manufactured By
MICRO FLO COMPANY
P O BOX 5948
LAKELAND, FLORIDA 33807

89 Rev. A
P/N 032

POTATOES: Aphids, grasshoppers, leaf miners, leafhoppers - $\frac{1}{2}$ to 1 pt./acre. Potatoes may be harvested on day of application.

TOMATOES: Aphids, leaf miners, leafhoppers - $\frac{1}{2}$ to 1 pt./acre (7). Where cabbage worms and cabbage loopers are a problem, the above rates of Dimethoate 4EC are compatible with Endosulfan, Malathion or Parathion. Use in accordance with the manufacturers' directions for control of these insects.

FIELD CROPS

ALFALFA: Aphids, grasshoppers, leafhoppers, lygus bugs, reduction of alfalfa weevil larvae - $\frac{1}{2}$ to 1 pt./acre. Do not apply to alfalfa in the bloom period. Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on cutting to which applied.

FIELD CORN: Banks, grass mites (excluding Trans-Pecos area of Texas) - $\frac{2}{3}$ to 1 pt./acre. Aerial Application: Spray over the foliage when mites appear. Apply above rates in 1 or more gals. of water per acre. Grasshoppers - 1 pt./acre. Ground Application: Apply above rate in 20 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre (14). Apply as necessary. Make no more than three applications per year. Do not feed or graze within 14 days of last application. Do not apply to corn during the pollen shed period if bees are actively foraging in the treated areas.

COTTON: Aphids, mites, thrips, fleahoppers - $\frac{1}{4}$ to $\frac{1}{2}$ pt./acre. Lygus bugs - $\frac{1}{2}$ pt./acre (14). Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.

COTTON (GROWN IN CALIFORNIA AND ARIZONA): Lygus bugs, leafhoppers, black fleahoppers - $\frac{1}{2}$ to 1 pt./acre (14). Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate. Do not feed treated forage or graze livestock on treated fields.

SAFFLOWER (GROWN IN CALIFORNIA AND ARIZONA): Aphids, leafhoppers, Lygus bugs, Thrips - $\frac{1}{2}$ to 1 pt./acre (14). Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.

SORGHUM (MILO): Aphids - $\frac{1}{2}$ to 1 pt./acre. Ground Application: Apply above rates in 25 to 40 gals. of water per acre. Aerial Applications: Apply above rates in 1 or more gals. of water per acre. Banks grass mites (excluding Trans-Pecos area of Texas) - 1 pt./acre. Ground application: Apply above rate in 25 to 40 gals. of water per acre. Aerial application: Apply above rate in 1 or more gals. of water per acre. Grasshoppers - 1 pt./acre. Ground application: Apply above rate in 25 to 40 gals. of water per acre. Aerial application: Apply above rate in 1 or more gals. of water per acre. Sorghum midge - $\frac{1}{4}$ to $\frac{1}{2}$ pt./acre. Aerial application: Apply above rates in 1 or more gals. of water per acre. Do not feed or graze within 28 days of last application. Make no more than 3 applications as needed per season.

SOYBEANS: Mexican bean beetle, spider mites, bean leaf beetle - 1 pt./acre. Aerial application: Apply recommended rate in a minimum of 2 gals. of water per acre. Grasshoppers - 1 pt./acre. Ground application: Apply above rate in 25 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre. (21). Do not feed or graze within 5 days of last application.

WHEAT: Aphids (greenbugs) - $\frac{1}{2}$ to $\frac{3}{4}$ pt./acre. Brown wheat mite - $\frac{1}{3}$ to $\frac{1}{2}$ pt./acre. Grasshoppers - $\frac{1}{4}$ pt./acre. Do not apply within 14 days of grazing immature plant. Do not harvest grain within 60 days of last application.

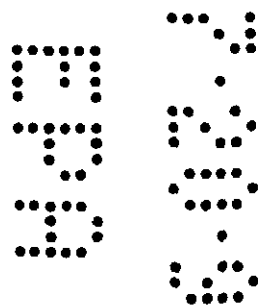
SEED CROPS

ALFALFA: Aphids, leafhoppers, lygus bugs, grasshoppers, reduction of alfalfa weevil larvae - $\frac{1}{2}$ to 1 pt./acre. Do not apply to alfalfa in the bloom period. Do not feed or graze livestock in treated crops, hay, threshings or stubble within 10 days of application.

ATTENTION: DO NOT USE ON SEED ONIONS, SEED CARROTS, OR SEED BERMUDA GRASS.

CONDITIONS OF SALE

All statements concerning the use of this product apply only when used as directed. THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL. Read all directions carefully.



EPA Reg. No. 51036-110

EPA EST. NO. 51036-GA-1

89 Rev A
P N 032

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DATE 11/12/1988

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SYSTEMIC INSECTICIDE

ACTIVE INGREDIENT:

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phosphorodithioate) 43.5%

INERT INGREDIENTS: 56.5%

TOTAL 100.0%

1 gallon contains 4 pounds Dimethoate

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WARNING AVISO

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STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Give one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: If not breathing, give artificial respiration. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention.

IF ON SKIN: Wash off with soap and water and remove contaminated clothing and shoes. Get medical attention.

See Additional Precautions: Statements Below

PRECAUTIONARY STATEMENTS

Hazards To Humans And Domestic Animals

WARNING

May be fatal if swallowed. May cause eye injury. Harmful if absorbed through skin. Harmful if inhaled. May cause irritation of the nose and throat. Do not get into eyes. Avoid breathing the vapor or spray mist. Wash thoroughly with soap and water after handling and before eating or smoking. Wash clothing before reuse.

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- Impermeable gloves (for example, rubber or plastic covered reinforced gloves).
- Boots or boot covers.
- Long-sleeved shirt and long pants.
- Wide-brimmed hat.
- Respirators must be worn by flaggers and mixer/loaders.

Wear goggles, face shield or safety glasses when applying or mixing pesticide.

ENVIRONMENTAL STATEMENTS

This product is toxic to shrimp, crab, birds, and other wildlife. Keep out of lakes, streams, ponds, tidal marshes and estuaries. 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.

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STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE: Do not store below temperature of 32 degrees F. as it may tend to crystallize. Avoid storage above 90 degrees F., as prolonged storage above 90 degrees F. may cause some loss in grade. Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength.

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CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

AERIAL APPLICATION:

AUTOMATIC FLAGGING DEVICES SHOULD BE USED WHENEVER FEASIBLE. IF HUMAN FLAGGERS ARE EMPLOYED THEY MUST WEAR THE PROTECTIVE CLOTHING AND RESPIRATOR SPECIFIED ON THIS LABEL.

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Interval (Days) Between Last Application and Harvest ()

FRUIT

APPLES: Apple maggot*, Codling moth* - 1 pt. 100 gals. water (28). Do not apply during the bloom period. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not graze livestock in treated orchards.

*Under heavy infestations, some sting injury may occur.

*Midwest and eastern states only.

APPLES, PEARS: Aphids, Leafhoppers, Mites (except rust mites) - 1 to 1 pt. 100 gals. water (28). Do not apply during the bloom period. Do not graze livestock in treated orchards.

GRAPEFRUIT, LEMONS, ORANGES, TANGERINES: Aphids - Ground Equipment - 1 to 1 pt. 100 gals. water. Apply as an outside coverage spray. Aircraft equipment - 1 to 2 qts. acre in 5 to 10 gals. water (15). Mites (except rust mites) - Ground Equipment - 1 to 1 pt. 100 gals. water. Apply as a thorough distribution coverage spray (15). Scales (except black or snow) - Ground Equipment - 1 to 1 pt. 100 gals. water. Apply as a thorough coverage spray (45). Thrips - Ground Equipment - 1 to 1 pt. 100 gals. water. Apply as a mist spray. Aircraft Equipment: 1 to 2 qts./acre in 5 to 10 gals. water (15). Whiteflies - Ground Equipment - 1 pt. 100 gals. water. Apply as a thorough distribution coverage spray (15). Do not apply during bloom period. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not enter treated groves within 4 days of last application.

NUTS

PECANS: Aphids, mites, leafhoppers - Ground equipment - 2 3 pt. acre. Aphids - Aerial Equipment - 2 3 pt. acre in a minimum of 5 gals. of finished spray (21). Do not graze livestock in treated groves.

VEGETABLE CROPS

BEANS (GREEN, LIMA, SNAP, DRY): Aphids, grasshoppers, leafhoppers, leaf miners, lygus bugs, mites - 1 to 1 pt. acre. Beans may be harvested on day of application. Do not feed treated vines.

BROCCOLI, CAULIFLOWER: Aphids - 1 to 1 pt. acre (7).

CABBAGE: Aphids - 1 to 1 pt. acre (3).

HEAD LETTUCE: Aphids, leafhoppers, leaf miners - 1 pt. acre (7).

CELERY (Florida): Leaf miners - Ground Equipment - 1 pt. acre (7).

LEAF LETTUCE, SPINACH, COLLARDS, KALE, TURNIP (GREENS AND ROOTS), MUSTARD GREENS, SWISS CHARD, ENDIVE (ESCAROLE): Aphids, leafhoppers, leaf miners - 1 pt. acre (14).

MELONS (EXCEPT WATERMELONS): Aphids, leafhoppers, leaf miners, thrips - 1 pt. acre (3).

PEAS: Aphids - 1 3 pt. 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.

PEPPERS: Aphids, leaf miners, maggots - 1 to 2 3 pt. acre. Peppers may be harvested on day of application.

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POTATOES: Aphids, grasshoppers, leaf miners, leafhoppers - $\frac{1}{2}$ to 1 pt./acre. Potatoes may be harvested on day of application.

TOMATOES: Aphids, leaf miners, leafhoppers - $\frac{1}{2}$ to 1 pt./acre (7). Where cabbage worms and cabbage loopers are a problem, the above rates of Dimethoate 4EC are compatible with Endosulfan, Malathion or Parathion. Use in accordance with the manufacturers' directions for control of these insects.

FIELD CROPS

ALFALFA: Aphids, grasshoppers, leafhoppers, lygus bugs, reduction of alfalfa weevil larvae - $\frac{1}{2}$ to 1 pt./acre. Do not apply to alfalfa in the bloom period. Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on cutting to which applied.

FIELD CORN: Banks, grass mites (excluding Trans-Pecos area of Texas) - 2/3 to 1 pt./acre. Aerial Application: Spray over the foliage when mites appear. Apply above rates in 1 or more gals. of water per acre. Grasshoppers - 1 pt./acre. Ground Application: Apply above rate in 20 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre (14). Apply as necessary. Make no more than three applications per year. Do not feed or graze within 14 days of last application. Do not apply to corn during the pollen shed period if bees are actively foraging in the treated areas.

COTTON: Aphids, mites, thrips, fleahoppers - $\frac{1}{4}$ to $\frac{1}{2}$ pt./acre. Lygus bugs - $\frac{1}{2}$ pt./acre (14). Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.

COTTON (GROWN IN CALIFORNIA AND ARIZONA): Lygus bugs, leafhoppers, black fleahoppers - $\frac{1}{2}$ to 1 pt./acre (14). Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate. Do not feed treated forage or graze livestock on treated fields.

SAFFLOWER (GROWN IN CALIFORNIA AND ARIZONA): Aphids, leafhoppers, Lygus bugs, Thrips - $\frac{1}{2}$ to 1 pt./acre (14). Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.

SORGHUM (MILO): Aphids - $\frac{1}{2}$ to 1 pt./acre. Ground Application: Apply above rates in 25 to 40 gals. of water per acre. Aerial Applications: Apply above rates in 1 or more gals. of water per acre. Banks grass mites (excluding Trans-Pecos area of Texas) - 1 pt./acre. Ground application: Apply above rate in 25 to 40 gals. of water per acre. Aerial application: Apply above rate in 1 or more gals. of water per acre. Grasshoppers - 1 pt./acre. Ground application: Apply above rate in 25 to 40 gals. of water per acre. Aerial application: Apply above rate in 1 or more gals. of water per acre. Sorghum midge - $\frac{1}{4}$ to $\frac{1}{2}$ pt./acre. Aerial application: Apply above rates in 1 or more gals. of water per acre. Do not feed or graze within 28 days of last application. Make no more than 3 applications as needed per season.

SOYBEANS: Mexican bean beetle, spider mites, bean leaf beetle - 1 pt./acre. Aerial application: Apply recommended rate in a minimum of 2 gals. of water per acre. Grasshoppers - 1 pt./acre. Ground application: Apply above rate in 25 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre. (21). Do not feed or graze within 5 days of last application.

WHEAT: Aphids (greenbugs) - $\frac{1}{2}$ to $\frac{3}{4}$ pt./acre. Brown wheat mite - $\frac{1}{3}$ to $\frac{1}{2}$ pt./acre. Grasshoppers - $\frac{3}{4}$ pt./acre. Do not apply within 14 days of grazing immature plant. Do not harvest grain within 60 days of last application.

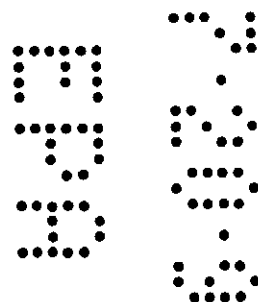
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