OMRI LISTED
For Organic Use

M-PEDE

INSECTICIDE / MITICIDE / FUNGICIDE

FOR ORGANIC PRODUCTION

ACCEPTED
FOR REGISTRATION
March 24, 2021
Doc. ID 572881
New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Pesticide Product Registration

ACTIVE INGREDIENTS:	% By Wt.
Potassium salts of fatty acids	49.0%
OTHER INGREDIENTS	51.0%
	TOTAL 100.0%

1 gallon of M-Pede weights 8.50 lb at 68°F and contains 4.16 lb active ingredient per gallon (498 g ai/L)

KEEP OUT OF REACH OF CHILDREN

WARNING – AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
If swallowed	• Call a poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	• Take off contaminate clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-478-0798 for emergency medical treatment information. **Note to Physician**: Probable mucosal damage may contraindicate the use of gastric lavage.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING

Causes substantial but temporary eye injury and skin irritation. Do not get in eyes, on skin or clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Handlers who may be exposed to the diluted product through application or other tasks must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils or viton ≥14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

NET CONTENTS _____ GALLONS

EPA Reg. No. 10163-324
EPA Est. No.

Gowan
The Go To Company

Produced For:
Gowan Company
P. O. Box 5569
Yuma, AZ 85366-5569

User Safety Recommendations

User should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This product may be hazardous to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and involves contact with anything that has been treated such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of barrier laminate, butyl rubber ⩾14 mils, nitrile rubber ⩾14 mils, neoprene rubber ⩾14 mils, polyvinyl chloride (PVC) ⩾14 mils or viton ⩾14 mils
- Shoes plus socks

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for Agricultural Pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.
Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

PRODUCT INFORMATION

M-Pede® insecticide/fungicide is a contact insecticide, miticide and fungicide for control of soft-bodied insects, mites and powdery mildew. The formulation is based on potassium salts of naturally derived fatty acids. This product may be used to control targeted pests on crops which include vegetables, grapes and other small fruits, tree fruits, tree nuts, cotton, tobacco, shrubs, shade and ornamental trees, turf, foliage and flowering plants growing outdoors, in greenhouses and in interiorscapes. This product can be applied up to harvest.

Pests Controlled

This product may be used as a foliar spray to control or suppress soft bodied pests which include: adelgids, aphids, caterpillars, earwigs, lace bugs, leafhoppers, leafminers, mealybugs, mole crickets, plant bugs, psyllids, sawfly larvae, scales, spider mites, tent caterpillars, thrips, whiteflies, gypsy moth, and chinch bugs. M-Pede is most effective on mites, aphids and whiteflies. Effects on other pests are limited to early growth stages and eggs. This product provides curative control of powdery mildew.

Mixing and Application

Rates

Stand Alone Rate: M-Pede rates as low as 0.25% v/v or as high as 4% v/v may be used. The 2% v/v rate is the most frequently used stand-alone rate.

- Refer to individual sections of this label for specific use rates for control of pests on specific crops.
- Rates are provided as a % volume/volume (v/v) solution. A 2% solution is prepared by adding 2 gallons of M-Pede to 98 gallons of spray water.
- The activity of this product is directly related to the solution concentration and to contact with the pest, not the amount of product applied per acre.

Tank Mix Rate: To achieve pest control, use a 1 to 2% v/v solution of this product in combination with a specified product.

Rate Table

Total Mix Volume	% v/v Solution	Amount of M-Pede		Tablespoons
		English	Metric	
1 gallon (3.785 liters)	0.25%	0.315 fl oz.	9.5 ml	0.63
	0.5%	0.63 fl oz.	19 ml	1.25
	1.0%	1.25 fl oz.	38 ml	2.4
	1.5%	2.0 fl oz.	57 ml	3.75
	2.0%	2.5 fl oz.	76 ml	5
	4.0%	5 fl oz.	152 ml	10
100 gallons (378.5 liters)	0.25%	0.25 gallons	0.95 liters	-
	0.5%	0.5 gallons	1.9 liters	-
	1.0%	1 gallons	3.8 liters	-
	1.5%	1.5 gallons	5.7 liters	-
	2.0%	2 gallons	7.6 liters	-
	4.0%	4 gallons	15.1 liters	-

Mixing

- Always determine the compatibility of water, pesticides and other tank additives with this product prior to addition to the spray tank. Determine compatibility by conducting a jar test using proportional quantities of each material.
- Use freshly mixed spray made with soft water. If water has high mineral content (hardness >300 ppm or 17.5 grains/gallon), check for compatibility as described above. If needed, add an approved compatibility agent to the tank prior to the addition of this product. **PRECAUTION: Do not** lower the pH of the final spray mixture below 8.0. **See notes to User: Understanding Plant Sensitivity.**
- A defoaming agent may be needed for use in sprayers equipped with an agitator.
- This product is compatible with other labeled pesticides, including spinosad and Bt based insecticides. However, when tank mixing M-Pede with other products, a compatibility test (jar test) using relative proportions of the tank mix ingredients should be conducted prior to mixing ingredients in the spray tank.
- **When using this product in a tank mix, read and follow all product labels. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.**
- Unless otherwise noted, do not tank mix this product with adjuvants such as penetrators, spreader stickers or activators, gibberellic acid, calcium nitrate, or diatomaceous earth, foliar nutrients, alkaline based chelating agents (such as EDTA), Aluminum tris, chlorothalonil and pesticides containing sulfur or metallic ions (such as manganese, magnesium, iron, zinc, etc.) as they may be physically incompatible and/or phytotoxic.
- **RESTRICTION: Do not** mix M-Pede with Carzol® insecticide (EPA Reg No. 10163-265) as they are not physically compatible.
- **PRECAUTIONS: Do not** mix M-Pede with sulfur. Do not use within 3 days of a sulfur application.

When using this product in a tank mix, read and follow all product labels. The order of mixing is:

- Compatibility agent (if needed)
- Wettable and soluble powders
- Flowable liquids
- Emulsifiable oils and concentrates
- M-Pede

Application of spray mixtures should conform to use precautions and directions for all products included in the tank mix. Combinations should be kept agitated and sprayed promptly after mixing.

Timing of Application

- Initiate applications as soon as pest is observed, or as needed to avoid economic injury. Repeat applications at one-week intervals, or as needed, to control infesting or increasing pest populations.
- **PRECAUTION:** Do not make repeat applications at less than 7-day intervals, or make more than 3 sequential applications at 7- to 14-day intervals unless your experience has shown the use pattern to be non-injurious to the type and the development stage of plant(s) to be treated under local growing conditions.

Application Guidelines

- This product may be applied with most types of ground or aerial spray equipment. **RESTRICTIONS: Do not** use with pulse or thermal fogger applicators. **Do not** apply through any type of irrigation and hydroponic systems.
- This product must come into contact with the targeted soft-bodied pests or powdery mildew to be effective. Complete coverage of pests is essential for maximum control. Direct sprays to contact the pests. In general, adequate coverage requires a minimum of 50 gallons of total spray volume per acre. Higher volumes may be required on larger perennial crops.
- Apply M-Pede solutions to wet (minimize run-off) to decrease the potential for injury on foliage, fruit and flowers of sensitive plants.
- Apply promptly after mixing with other pesticides to avoid or reduce alkaline hydrolysis of certain pesticides.
- Avoid applications when wind conditions impair thorough coverage.
- **PRECAUTION: Do not** apply to new seedlings and transplants without determining sensitivity (phytotoxicity).

Notes to User: Understanding Plant Sensitivity

Sensitivity of plants to this product can be influenced by several factors which include: pest and disease pressure, cultivar, plant vigor, environmental conditions (temperature, relative humidity, moisture availability, light intensity, etc.), spray concentration, companion products, spray additives, pH of spray mixtures, delivery volume as well as the timing, number and frequency of applications.

- Potential for plant injury increases when this product is used under the following conditions:
  - Plants are stressed, such as under hot (>90°F), humid and/or drought conditions.
  - More than 3 sequential applications are made at 7-day intervals.
  - The pH of the final spray mixture is lowered below 8.0.
  - High volume applications cause the spray to collect on the bottom of fruit such as apple, pear, nectarine, orange and grape.
  - Tender new foliage is present on narrow leaf evergreen trees and shrubs.
  - When existing insect, mite or disease pressure has already stressed plant foliage or damaged fruit (for example, mite burn on leaves).
- Application of this product may alter the appearance of the glaucous bloom on spruces and the waxy bloom on grapes.
- Evaluate the effect of this product alone or in combination with desired companion product(s) on a few test plants prior to full scale applications when sensitivity of plant species or cultivars under local use conditions is unknown.
- **PRECAUTION: Do not** apply to very sensitive plants such as: horse chestnut, Japanese maple, mountain ash, Cherimoya, bleeding heart or sweetpeas.
- The following plants may be sensitive to this product: bald cypress, begonia, chrysanthemum, Crown of Thorns and other Euphorbia, cucumber, delicate ferns, narrow leaf evergreens (especially when stressed or when tender new growth is present), Dieffenbachia, fuschia, gardenia, impatiens, jade plant, lantana, ornamental ivy, palms, poinsettia, redbud, river birch, schefflera, Zebra plant and some succulents. Test first on a few plants prior to broad scale applications when sensitivity under local use conditions is unknown.
- Flowers of plants including African violet, ageratum, azalea, begonia, camellia, chrysanthemum, dahlia, geranium, gloxinia, impatiens, lily, marigold, orchid, pansy, petunia, poinsettia bracts, rose, salvia, snapdragon, vinca and zinnia may be injured when sprayed with this product.
- Safety to blooms should be determined for each individual cultivar of plant to be treated by conducting a small test under local use conditions.
- See individual use sites for additional restrictions and precautionary instructions.

Insecticidal / Miticidal and Fungicidal Uses

This product may be used as a foliar spray to control or suppress soft bodied pests which include: adelgid, aphid, earwig, lace bug, leafhopper, mealybug, mole cricket, plant bug, psyllid, sawfly larva, scale, spider mite, tent caterpillar, thrips, whitefly, gypsy moth, and chinch bug.

Preharvest Interval

M-Pede has a 0-Day Preharvest interval for ALL crops on this label.

<table>
<tr><th colspan="2">Vegetables, Herbs And Spices
(Greenhouse and Outdoor)</th></tr>
<tr><td colspan="2">Vegetables: Artichoke*, Asparagus, Brassica (cole), (such as: bok choy, broccoli, broccoli raab, Brussels sprout, cabbage, cauliflower, Chinese broccoli, Chinese cabbage, collard greens, kale, kohlrabi, mustard greens, napa cabbage and Swiss chard), Bulb (such as: green onion, leeks, garlic and onion), Cucurbit (such as: cucumber, melon, pumpkin and summer squash), Fruiting (such as: eggplant, pepper and tomato), Leafy (such as: celery, endive, escarole, lettuce and spinach), Legume (such as: bean, pea and soybean), Root and tuber (such as: beet, carrot, horseradish, potato, radish, rutabaga, shallot, sugarbeet and yam), Herbs and spices: (such as: basil, chive, dill, marjoram, parsley and sage). Watercress*
* Not approved for use in California</td></tr>
<tr><td colspan="2">Use Rates:

Stand Alone Rate: Apply a 1 to 2% v/v solution of this product, unless otherwise noted. Refer to the Mixing and Application section of this label for rates, timing and application information except as noted below.</td></tr>
<tr><th>Pest</th><th>Application Instructions</th></tr>
<tr><td>Leafminers and Green peach aphids</td><td>Apply this product only in tank mix combination with a labeled companion insecticide.</td></tr>
<tr><td>Other aphids</td><td>Use a 1 to 2% v/v solution of this product in combination with a specified rate of another labeled product. Consult your local extension specialist, certified crop advisor, and/or manufacturer representative for specific product recommendations.</td></tr>
<tr><td>Whiteflies</td><td>Apply a 1 to 2% v/v solution of this product for stand-alone use. Use a 1 to 2% v/v solution of this product in combination with a specified rate of another labeled product. Consult your local extension specialist, certified crop advisor, and/or manufacturer representative for specific product recommendations.</td></tr>
<tr><td>Thrips, Plant bugs, Spider mites, Broad mites, Russet mites and Leafhoppers</td><td>See Mixing and Application section of this label for information on rates, mixing and application.</td></tr>
<tr><td>Powdery mildew</td><td>Cucurbits, Fruiting Vegetables, Herbs and Spices, Leafy Vegetables, Legumes, Root and Tuber Vegetables and Greenhouse Cucumber:
Stand Alone Rate: Apply a 1.5 to 2% v/v solution of this product when the first signs of powdery mildew appear and repeat at 7 to 10 day intervals, or as needed. Schedule a follow-up fungicide application within 7 to 10 days after each application when this product is used alone.
Tank Mix Rate: Apply a 1 to 2% v/v solution of this product with a specified fungicide to achieve protectant/residual control of powdery mildew.
For additional instructions, see Application Guidelines and Notes to User: Understanding Plant Sensitivity sections of this label.</td></tr>
</table>

Fruit, Nut And Vine Crops	
Citrus fruits (such as: citron, grapefruit, kumquat, lemon lime, tangelo, and tangerine), **Pome fruits** (such as: apple, crabapple, pear and quince), **Stone Fruits** (such as: apricot, cherry, nectarine, peach, plum and prune), **Small Fruits and Berries** (such as: blackberry, blueberry, cane berries, cranberry, currants, grape, raspberry, strawberry, boysenberry, and olallieberry) and **Tree Nuts** (such as: almond, chest-nut, filbert, pecan, pistachio, black and English walnut) and **Pomegranates***. * Not approved for use in California	
Use Rates: **Stand-alone Rate:** Apply a 1 to 2% v/v solution of this product, unless otherwise noted. Refer to the Mixing and Application section of this label for rates, timing and application information except as noted below. • **For all Fruit and Nut Crops:** Apply to wet (minimize run off) with an air blast or other appropriate sprayer. Application of excessive water volumes will increase the potential for fruit injury by causing collection of spray on the bottom of fruit, especially when poor drying conditions exist. • **Grapes:** This product may alter the waxy bloom and or cause marking on the surface of grapes which can affect the quality rating of table grapes at harvest. To reduce potential for fruit injury, **do not** apply in greater than 75 gallons of water per acre on table grapes after berries are 6 to 7 mm in diameter. **Do not apply this product to Calmeria or Italia varieties of grapes.** • **Citrus (Precaution):** Fruit marking may occur when sooty mold is present. • **Pears(Precaution): Do not apply** this product at a higher rate than 0.25% v/v after the delayed dormant stage and full fruit size timing near harvest on fresh market pear varieties including d'Anjou and Asian pears. Applications of M-Pede greater then 0.25% v/v after fruit set may cause marking which can reduce market value of the fruit. • **Stone Fruits:** Concentrate (air blast) applications are specified with a maximum volume of 100 gallons per acre on smooth skinned fruits and 175 gallons per acre on peaches. **PRECAUTIONS: Do not** make dilute spray applications on smooth skinned fruit after fruit formation. This product is not specified for use on yellow skinned nectarine varieties. **Do not apply M-Pede to sweet cherries between fruit formation and harvest.** • Nursery and non-bearing trees can be sprayed to runoff with no more than 3 consecutive applications with 7-day intervals.	

Pest	Application Instructions
Citrus rust mites	Apply a 1 to 2% v/v solution of this product. Use of a suitable citrus spray oil in combination with this product applied to wet (minimize run-off) with an air blast or other appropriate sprayer may help improve performance.
European red mites, Pacific mites, two spotted mites, Willamette mites	Apply a 1 to 2% v/v solution of this product to control motile stages. To achieve pest control, use a 1 to 2 % v/v solution of this product in combination with a specified rate of another labeled product.
Green apple aphids	To achieve pest control, use a 1 to 2% v/v solution of this product in combination with a specified rate of another labeled product
Western grape aphids and variegated leafhoppers	To achieve pest control, use of a 1 to 2 % v/v solution of this product in combination with a specified rate of another labeled product. Scout and make first application to control nymphs during the first generation (first brood) when the majority of nymphs are in the third to fourth instars. This product is effective for late season and preharvest suppression of leafhoppers in wine and raisin grapes.
Pear psylla	Apply a 1 to 2% v/v solution of this product alone or 0.25%-0.5% v/v solution of M-Pede when using with another insecticide partner in tank mix at delayed dormant to control winterform and newly hatched nymphs. Time spray at first sign of infestation. **PRECAUTIONS: Do not** tank mix with oil. **Do not** apply during bloom. Make follow up applications on processing pears at petal fall and turn down for control of 1st and 2nd generation nymphs before they mature into fourth instars.
Rosy apple aphids	Apply a 1 to 2% v/v solution of this product alone or 0.25-0.5% v/v solution of M-Pede when using with another insecticide partner in the tank. Addition of an appropriate spray oil to this product may help improve performance. Time sprays to coincide with pre-pink or pink stages of apples. **PRECAUTIONS: Do not** tank mix with oil. **Do not** apply during bloom.
White apple leafhoppers	To achieve pest control, use a 1 to 2% v/v solution of this product in combination with a specified rate of another label product. Target 1st generation nymphs before they mature into flyers.
Other aphids, campylomas, mealybugs, rust mites, pear slug (sawfly larvae) scale crawlers, leafhoppers and whiteflies	See Mixing and Application section for information on rates, mixing and application.

Powdery mildew	**Grapes:** Apply a 1 to 2% v/v solution of this product to control powdery mildew spores and hyphae. Initiate sprays at bud break or as appropriate based on local powdery mildew control requirements. Repeat at 7 to 10 day intervals, or as needed through veraison (development of variety-specific color). **PRECAUTION: Do not** apply past veraison. Schedule a follow-up fungicide application within 7 to 10 days after each application when M-Pede is used alone. Use this product in a scheduled preventive spray program with other labeled fungicides. **PRECAUTIONS: Do not mix with sulfur. Do not use within 3 days of sulfur application.** This product may be applied in tank mixes with other labeled fungicides. Consult your local extension specialist, certified crop advisor, and/or manufacturer representative for specific product recommendations. **Tank Mix Rate:** Apply a 1 to 2% v/v with labeled rates of companion pesticides. Rates of M-Pede below 1.5% v/v will not be fungicidal against powdery mildew. Complete coverage of grape clusters as well as leaf surfaces is essential for effective control. For additional instructions on use with sulfur, see Application Guidelines and Notes to User: Understanding Plant Sensitivity sections of this label. **Citrus fruit, Pome fruit, Stone fruit, Small fruits and Berries, and Tree Nuts:** Apply a 1 to 2% v/v solution of this product to control powdery mildew spores and hyphae. **Stand Alone Rate:** Apply a 1 to 2% v/v solution of this product when first signs of powdery mildew appear or as appropriate based on local powdery mildew requirements and repeat at 7 to 14-day intervals, or as needed. Schedule a follow-up fungicide application within 7 to 14 days after each application when this product is applied alone. **Tank Mix Rate:** Apply a 1 to 2% v/v solution of this product with a fungicide to achieve protectant/residual control of powdery mildew. **PRECAUTIONS:** Do not mix with sulfur. Do not use within 3 days of a sulfur application.
Psylla honeydew* Sooty mold* *Not for use in California	**PEARS PRE-HARVEST:** Apply 0.25% v/v per 400 gallons at the rate of 400-800 gallons of water per acre. Enough spray solution **MUST** be applied to the tree to **COMPLETELY** remove the insect honeydew from the fruit and leaves. To avoid possible fruit marking, users must follow the M-Pede application with a water rinse of equal amount of volume within 12 hours of the M-Pede application. • Minimum retreatment interval = 7-10 days during growing season. • **RESTRICTION: Do not** exceed three applications per season. • **PRECAUTION: Do not** apply within 7 days of an oil, calcium or sulfur application. • Cease spray activities at temperatures of 85 degrees. • Avoid applications when trees are under environmental stress. A defoaming agent may be needed for use in sprayers equipped with an agitator.

Field Crops
Alfalfa*, Canola*, Cotton, Peanut*, Tobacco* and Wheat* *** Not approved for use in California**
Pests Controlled: Aphids, caterpillars (in tank mix combination only), exposed thrips, greenbugs, fleahoppers, plant bugs (such as lygus and stink bugs), spider mites and whiteflies.
Use Rates: Refer to the Mixing and Application section of this label for rates, timing and application information except as noted below. **Stand Alone Rate:** Use 4 pints of this product per acre when applications are made in 3 to 25 gallons of water per acre. Use a 2% v/v spray solution of this product when 25 or more gallons of water are applied per acre. **Tank Mixtures:** • When used in combination with other insecticides, use 0.75 to 4 pints of this product per acre when applied in 3 to 25 gallons of water per acre. Use a 1 to 2% v/v solution of this product when greater than 25 gallons of water are applied per acre. • To achieve control of caterpillars, use this product in combination with other labeled insecticides. • To achieve control of other insects (aphids, thrips, greenbug, fleahopper, plant bug, spider mite, white fly), use this product in combination with other labeled insecticides. • In situations where thorough coverage of pests is not possible or practical, this product may be tank mixed with one of the companion pesticides listed above. • This product may be tank mixed with penetrator type adjuvants for application to cotton, peanuts and tobacco only if prior use under local use conditions has demonstrated plant safety.

Group 24B Tropical and Subtropical Crops* (medium to large fruit, smooth, inedible peel subgroup except pomegranate), Hops*, Coffee*, Banana* and Pineapple*
* Not approved for use in California with the exception of Avocado.
Pests controlled: Aphids, leafhoppers, mealybugs, spider mites, plant bugs, scales, exposed thrips and whiteflies.
Use Rates: **Stand Alone Rate:** Apply a 1 to 2% v/v solution of this product, unless otherwise noted. Refer to the Mixing and Application section of this label for rates, timing and application information except as noted below. **Tank Mix Rates:** To achieve pest control, use a 1 to 2 % v/v solution of this product in combination with a companion product. • Use a 1% v/v rate with most companion pesticides targeted at the same pest(s) as M-Pede. • Lower rates (0.25 to 1.0 % v/v solution) of this product may be used in tank mixes for knockdown/suppression of adult whiteflies. See Application Guidelines and Notes to User: Understanding Plant Sensitivity for additional comments.

Turf	
Pest	**Application Instructions**
Chinch bugs, cutworms, fleas, greenbugs, grubs, mites, mole crickets and sod webworms	**Stand Alone Rate:** Apply a 1 to 2% v/v solution of this product, unless otherwise noted. Refer to the Mixing and Application section of this label for rates, timing and application information, except as noted below. **Tank Mix Rate:** To achieve pest control, use a 1 to 2% v/v solution of this product in combination with a specified rate of another labeled product. For use on mole crickets, irrigate turf prior to application of this product to bring mole crickets to the surface.
Powdery Mildew	**Stand-alone Rate:** Apply a 1.5 to 2% v/v solution of this product when the powdery mildew is first observed and repeat every 7 to 14 days, or as needed. **Tank Mix Rate:** This product can also be tank mixed with other fungicide products suitable for turf powdery mildew use. Tank mixes with products containing chlorothalonil should be avoided as they can cause severe phytotoxicity.

Ornamental Landscape Trees and Shrubs, Christmas Trees, Flowers, Bedding and Indoor Plants

Pests controlled: Adelgids, ants, aphids, buck moth larvae, earwigs, elm leaf beetle larvae, sawfly larvae, gypsy moth eggs and larvae, Japanese beetles, lace bugs, leafhoppers, mealybugs, rust mites, phylloxera, spider mites, shore fly, plant bugs, psyllid, scales, tent caterpillars, exposed thrips, whitefly and powdery mildew.

Use Rates:

Stand Alone Rate: Apply a 1 to 2% v/v solution of this product, unless otherwise noted. Refer to the Mixing and Application section of this label for rates, timing and application information except as noted below.

Tank Mix Rate: To achieve pest control, use a 1 to 2% v/v solution of this product in combination with a recommended product. Tank mixes with products containing Chlorothalonil should be avoided as they can cause severe phytotoxicity. Lower rates (0.25 to 1.0 % v/v solution) of this product may be used in tank mixes for knockdown/suppression of adult whiteflies.

Note: Unless otherwise noted, apply this product to wet (minimize run off). If wilting occurs a few hours after application, rinse with a clean water spray. Since applications may cause injury to flowers of some plant cultivars, test product on a few flowering plants under local use conditions prior to large scale use.

Pest	Application Instructions
Adelgid, psyllid, scale on trees and shrubs	Spray to wet infested plant surface.
Balsam woolly adelgid	Spray trees thoroughly when nymphs are abundant in early spring and/or fall. Make a second application 10 days later.
Cooley Spruce gall adelgid	Apply a 4% v/v solution to spruce in fall or spring when females begin egg laying. On Douglas fir, control exposed "woolly aphids" in early spring immediately before bud break (April) or in the fall (Sept.-Oct.) after foliage has hardened off.
Hemlock woolly adelgid	Apply this product immediately after detecting an adelgid infestation to avoid the spread of the pest. In regions with heavy infestations and on trees with a history of infestation, a total of four applications made in April/May, June, August/September and October may be necessary. Because it is a contact insecticide, **do not** use this product as a preventative control measure.
Conifer and pine needle scale	When insects first appear, apply a 1 to 2% v/v spray to thoroughly wet crawlers.
Tent caterpillar	Apply a 3% v/v solution. Spray directly on young larvae when congregated on outside of tent or dismantle tents and spray to thoroughly wet larvae.
Spider mite	Wet underside of leaves and needle sheaths. Wait 7 to 10 days to allow viable eggs to hatch and make a second application before mites reach egg laying maturity. For residual control, apply in a tank mix combination with a labeled companion insecticide containing abamectin which has residual activity.
Earwig	Spray directly on insects after disturbing their hiding place.
Leafminer (Dipteran)	Apply in tank mix combination with a labeled companion insecticide which has residual activity.
Whiteflies	Scout plants regularly and apply a 1 to 2% v/v solution when pests first appear. Make a second application 7 days later to target newly hatched nymphs. Make additional applications at weekly intervals, but avoid more than three consecutive weekly applications. **PRECAUTION: Do not** apply to poinsettia bracts. To achieve pest control, use a 1 to 2% v/v solution of this product in combination with abamectin, chlorpyrifos, fluvalinate, permethrin, bifenthrin, cyfluthrin products. Lower rates (0.25 to 1% v/v solution) of this product may be used in tank mixes for knockdown/suppression of adult whiteflies.
Gypsy moth	To suppress gypsy moth populations, apply a 3% v/v solution directly to the larvae.
Blossom thrips on African violets	Spray to contact thrips on blooms.
Euonymous scale	Thoroughly wet crawlers with a 2% solution. Delayed dormant applications of this product (1 % v/v solution) plus summer oil (1 % v/v solution) will also be effective.
Spruce spider mite on conifers	Apply 1 to 2% solution of this product to thoroughly wet infested needles. Repeat application after 7 days if needed.
Powdery mildew on greenhouse grown roses	Apply a 1 to 2% solution of this product to control powdery mildew spores and hyphae. Initiate sprays when first signs of powdery mildew appear and repeat at 7 to 10 day intervals, or as needed. Alternate applications of this product with other fungicides to avoid making more than three successive applications of this product at intervals of 7 days or less. Roses may be treated with sublimated sulfur using sulfur-heating pots or similar devices before or after treatment with M-Pede. To minimize the potential for plant injury, allow 24 hours to elapse between M-Pede and sublimated sulfur applications. Mixing other forms of sulfur (sprayable or dusting) or applying this product within up to 5 days of a sulfur application may also increase the potential for plant injury, especially during hot weather (>90°F).

Storage and Disposal

Do not contaminate water, feed or foodstuff by storage or disposal.

For rigid nonrefillable containers 5 gallons or less:
Pesticide Storage: Store only in original container; in a dry place; inaccessible to children and domestic animals. Keep container tightly sealed when not in use.
Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.
Offer for recycling if available or puncture and dispose of in sanitary landfill, or by other procedures approved by state and local authorities.

For refillable rigid containers larger than 5 gallons:
Pesticide Storage: Store only in original container; in a dry place; inaccessible to children and pets. Keep container tightly sealed when not in use.
Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.
Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in sanitary landfill or by other procedures approved by state and local authorities.

For nonrefillable rigid containers larger than 5 gallons:
Pesticide Storage: Store only in original container; in a dry place; inaccessible to children and pets. Keep container tightly sealed when not in use.
Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Container Handling: Nonrefillable container. Do not reuse or refill this container.
Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank to collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.
Offer for recycling if available or puncture and dispose of in sanitary landfill or by other procedures approved by state and local authorities.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE),
CALL CHEMTREC® (800) 424-9300.
For other product information, contact Gowan Company, LLC or see Material Safety Data Sheet.

NOTICE ON CONDITIONS OF SALE

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.
Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. To the extent consistent with applicable law, all such risks are assumed by the Buyer and User.
Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.
TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.
This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified. Country: United States of America.

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