



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

October 9, 2026

Nikki Brooks
Registration Specialist
Gowan Company, LLC
370 S. Main Street
Yuma, AZ 85364

Subject: PRIA (Pesticide Registration Improvement Act) Labeling and Formulation Amendment – To Enhance Clarity/Revise Formatting, Add Pests and Crops, Add a New Application Method for Certain Crops, and Make Other Changes, Including Those Requested by EPA, of/to the Labeling and Update the Basic CSF for National Organic Program Review Purposes
Product Name: M-Pede
EPA Registration Number: 10163-324
EPA Receipt Date: 10/15/2025
Action Case Number: 00671337

Dear Nikki Brooks:

The amended labeling and Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, are acceptable.

The primary brand name of this product has been changed from M-Pede Insecticide/Miticide/Fungicide to M-Pede. Additionally, the alternate brand name M-Pede Insecticide/Miticide/Fungicide has been added to the registration. Our records have been updated accordingly.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

Please note that the record for this product currently contains the following acceptable CSF:

- Basic CSF dated 10/08/2026

Any CSFs other than that listed above are superseded/no longer valid.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6), you must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it

bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 § CFR 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Jeannine Kausch by phone at (202) 566-1533 or via email at kausch.jeannine@epa.gov.

Sincerely,



Digitally signed by
GINA BURNETT
Date: 2026.10.09
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Gina Burnett, Senior Regulatory Advisor
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division
Office of Pesticide Programs

Enclosure



[optional]

FOR ORGANIC PRODUCTION

[optional]

POTASSIUM SALTS OF FATTY ACIDS	GROUP	UNE	INSECTICIDE, MITICIDE
POTASSIUM SALTS OF FATTY ACIDS	GROUP	NC	FUNGICIDE

M-Pede®

ACCEPTED

Oct 09, 2026

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10163-324

Insecticide/Miticide/Fungicide
Alternate Brand Names: [M-Pede® Insecticide/Fungicide],
[M-Pede® Insecticide/Miticide/Fungicide]

ACTIVE INGREDIENT:

Potassium salts of fatty acids

% BY WT.

49.0%

OTHER INGREDIENTS:

51.0%

TOTAL 100.0%

1 gallon of M-Pede weighs 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 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.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • 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.	

[See additional precautionary statements and directions for use inside booklet]

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 on clothing. Harmful if absorbed through skin. Wear protective eyewear. 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
- Protective eyewear
- 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

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 _____

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

Gowan®

Produced For:
Gowan Company, LLC
PO Box 5569
Yuma, AZ 85366-5569

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.607(d-f)), the handler PPE requirements may be reduced or modified as specified in the WPS.

When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

User Safety Recommendations

User should:

- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- 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. For terrestrial uses: **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 disposing of equipment washwater or rinsate.

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 State or Tribal 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
- Protective eyewear

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® is a foliar contact insecticide, miticide, and fungicide for control of soft-bodied insects, mites, powdery mildew and mealybugs. In addition, M-Pede can be used as a pre-plant dip to control mite and white fly eggs and larvae. The formulation is based on potassium salts of 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

M-Pede may be used to control or suppress soft bodied pests, which include: adelgids, ants (except pharaoh, fire, or harvester ants), aphids, buck moth larvae, campyloids, caterpillars, chinch bugs, cutworms, earwigs, elm leaf beetle larvae, fleas, flea beetle, fleahopper, greenbugs, grubs, Japanese beetle, lace bugs, leafhopper, mealybugs, mites, mole crickets, pear psylla, pear slug, phylloxera, plant bugs, psyllids, sawfly larvae, scales, shore fly, sod webworms, spongy (formerly gypsy) moth, spotted lanternfly (SLF)†, Surinam cockroach†, tent caterpillars, thrips, and whiteflies. 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.

†Suppression

Application Rates

Stand Alone Rate: Use 1 to 2% v/v solution for control of soft bodied insects and mites, or 1.5 to 2% v/v solution for control of powdery mildew.

Tank Mix Rate: Use a 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.

- Refer to individual sections of this label for specific use rates and application methods that are different than what is listed above.
- 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.

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 gal	0.95 liters	-
	0.5%	0.5 gal	1.9 liters	-
	1.0%	1 gal	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	-

Timing of Application:

- Target application at earlier developmental stages.
- 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.

RESTRICTION:

- **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.
- **DO NOT** apply during bloom.

Application Guidelines:

- This product may be applied with most types of ground or aerial spray equipment.
- A defoaming agent may be needed for use in sprayers, especially those with an agitator.
- Direct sprays to contact the pests, as this product must come into contact with the targeted soft-bodied pests or powdery mildew to be effective.
- For best efficacy of M-Pede on all pests, adequately cover complete canopy without run-off.
- 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:

Use of this product may alter the waxy bloom on the surface of treated crops, which can affect the quality rating at harvest.

RESTRICTION:

- **DO NOT** use with pulse or thermal fogger applicators.
- **DO NOT** apply through any type of irrigation and hydroponic systems.
- **DO NOT** apply to new seedlings and transplants without determining sensitivity (phytotoxicity).

Mixing Instructions:

- 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 solution 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.
- A defoaming agent may be needed for use in sprayers, especially those with an agitator.
- This product is compatible with other labeled pesticides, including spinosad and Bt-based insecticides.
- **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. Consult your local extension specialist, certified crop advisor, and/or manufacturer representative for specific product recommendations.**

PRECAUTION:

- Combinations should be kept agitated and sprayed promptly after mixing.
- Tank mixes with glyphosate-containing products will require constant agitation and may require the addition of a compatibility agent.

RESTRICTION:

- 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.
- **DO NOT** lower the pH of the final spray mixture below 8.0 unless noted in the application directions.
- **DO NOT** mix M-Pede with Carzol® insecticide (EPA Reg No. 10163-265) as they are not physically compatible.
- **DO NOT** mix with Captan and **DO NOT** use within 7 days of a Captan application.
- **DO NOT** mix with products containing chlorothalonil as they can cause severe phytotoxicity.
- **DO NOT** mix M-Pede with sulfur and **DO NOT** use within 3 days of a sulfur application.
- **DO NOT** mix with oil unless otherwise noted in crop-specific application directions.

The order of mixing is:

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

Understanding Plant Sensitivity:

Sensitivity of plants to this product can be influenced by several factors that 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 (>85°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 unless noted in the application directions.
 - High volume applications cause the spray to collect on the bottom of fruit such as: apple, pear, cherry, nectarine, orange, tree nuts 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 sensitive plants (such as: horse chestnut, Japanese maple, mountain ash, Cherimoya, bleeding heart or sweet peas).
- 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, fuchsia, 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.
- See individual use sites for additional restrictions and precautionary instructions.

Preharvest Interval

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

BERRY AND SMALL FRUIT	
Berry and Small Fruit Crop Group 13-07: (such as: blackberry, blueberry, caneberries, cranberry, currants, raspberry, strawberry, boysenberry, and olallieberry)	
Pests Controlled: aphids, caterpillars, leafhoppers, mealybugs, mites (such as: two spotted and Pacific), plant bugs, scales, spotted lanternfly (SLF)†, thrips, whiteflies, and powdery mildew †Suppression	
Use Rates: Stand Alone Rate: 1 to 2% v/v solution for control of soft bodied insects and mites, or 1.5 to 2% v/v solution for control of powdery mildew. Tank Mix Rate: 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.	
Application Directions: Berry and Small Fruit: 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. This product may alter the waxy bloom and/or cause marking on the surface of small fruit, which can affect the quality rating at harvest. • Powdery mildew: Apply when first signs of powdery mildew appear and repeat at 7- to 14-day intervals, or as needed. Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.	

FIELD CROPS	
Cereal Grains Crop Group 15-22[*] (such as: corn, millet, oat, sorghum, sweet corn, and wheat) Oilseed Crop Group 20 (such as: canola[*], cotton, cottonseed and sunflower[*]), Peanut[*] , Grass Forage Crop Group 17[*] (such as: Bermuda grass, bluegrass and fescue), Nongrass Animal Feeds Crop Group 18[*] (such as: Alfalfa, bean, clover and vetch), and Tobacco[*] [* Not registered for use in the State of California]	
Pests Controlled: aphids, caterpillars (in tank mix combination only), fleahoppers, greenbugs, leafhoppers, plant bugs (such as: lygus and stink bugs), thrips, spider mites and whiteflies.	
Use Rates: 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.	
Application Directions: • For enhanced control, use this product in combination with other labeled insecticides. • 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. Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.	

HERBS AND SPICES (Greenhouse and Outdoor)
Herbs and Spices Crop Group 19: (such as: basil, chive, dill, marjoram, parsley, and sage)

Pests Controlled: aphids (such as: green peach and root aphid), caterpillars, flea beetle, leafhoppers, mealybugs, mites (such as: spider, broad, and russet), plant bugs, scales, Surinam cockroach†, thrips, whiteflies, and powdery mildew

†Suppression

Use Rates:

Stand Alone Rate: 1 to 2% v/v solution for control of soft bodied insects and mites, or 1.5 to 2% v/v solution for control of powdery mildew.

Tank Mix Rate: 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.

Application Directions:

- Green peach aphid: For enhanced control, use this product in combination with other labeled insecticides.
- Powdery mildew: Apply when first signs of powdery mildew appear and repeat at 7- to 14-day intervals, or as needed.
- Root aphids: Apply this product as a stand-alone rate at up to 4% v/v solution as a soil drench.

Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.

TREE FRUIT

Citrus fruit Crop Group 10-10 (such as: citron, grapefruit, kumquat, lemon, lime, mandarins, orange, satsuma, tangelo, and tangerine),

Pome fruit Crop Group 11-10 (such as: apple, crabapple, pear and quince), and **Stone fruit Crop Group 12-12** (such as: apricot, cherry, nectarine, peach, plum and prune)

Pests Controlled: aphids (such as: green apple and rosy apple), Campylomas, caterpillars, leafhoppers (such as: white apple), mealybugs, mites (such as: citrus rust, European red, two spotted, Pacific, and Willamette), pear psylla (including pre-harvest honey dew wash off), pear slug (sawfly larvae), plant bugs, scales, spotted lanternfly (SLF)†, thrips, whiteflies, and powdery mildew

[*Not registered for use in the State of California]

† Suppression

Use Rates:

Stand Alone Rate: 1 to 2% v/v solution for control of soft bodied insects and mites, or 1.5 to 2% v/v solution for control of powdery mildew.

Tank Mix Rate: 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.

Application Directions:

For all Fruit: 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.

- Green apple aphids, Western grape aphids, variegated leafhoppers, and white apple leafhopper: To enhance pest control, use a 1 to 2% v/v solution of this product in combination with a specified rate of another labeled product.
- Powdery mildew: Apply when first signs of powdery mildew appear and repeat at 7- to 14-day intervals, or as needed.

Citrus Fruit: Precaution: Fruit marking may occur when sooty mold is present.

- Citrus rust mite: 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.

Pears:

Pre-harvest for psylla honeydew wash off: Apply 0.25% v/v per 400 gallons at the rate of 400 to 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. Follow a minimum retreatment interval of 7 to 10 days during growing season. 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, especially those with an agitator. **DO NOT** exceed three applications per season. **DO NOT** apply within 7 days of an oil, calcium, or sulfur application.

Fresh Market Pears: Apply at delayed dormant stage to control winterform and newly hatched pear psylla nymphs. Time spray at first sign of infestation. **DO NOT** apply this product at a higher rate than 0.25% v/v solution 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 than 0.25% v/v solution after fruit set may cause marking, which can reduce market value of the fruit.

Processing Pears: Pear psylla: 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.

Stone Fruit: 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. **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.

Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.

TREE NUT

Tree Nut Crop Group 14-12: (such as: almond, chestnut, filbert, pecan, pistachio and black and English walnut)

Pests Controlled: aphids, caterpillars, leafhoppers, mealybugs, mites (such as: two spotted and Pacific), plant bugs, scales, spotted lanternfly (SLF)†, thrips, whiteflies and powdery mildew

[*Not registered for use in the State of California]

†Suppression

Use Rates:

Stand Alone Rate: 1 to 2% v/v solution for control of soft bodied insects and mites, or 1.5 to 2% v/v solution for control of powdery mildew.

Tank Mix Rate: 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.

Application Directions:

Tree Nut: Apply to wet (minimize run off) with an air blast or other appropriate sprayer. Application of excessive water volumes will increase the potential for hull/nut injury by causing collection of spray on the bottom of hull/nut, especially when poor drying conditions exist.

Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.

Tropical and Subtropical Fruit, Inedible Peel (Crop Group 24) (such as: avocado, banana[*], mango[*], papaya[*], pawpaw[*], persimmon[*], pineapple[*], pomegranate[*], sapote[*] (including all cultivars, varieties, and/or hybrids of these)[*], agave[*], coffee[*], and hops[*]) [*Not registered for use in the State of California]
Pests Controlled: aphids, leafhoppers, mealybugs, plant bugs, scales, spider mites, thrips and whiteflies.
Use Rates: Stand Alone Rate: 1 to 2% v/v solution for control of soft bodied insects and mites. Tank Mix Rate: 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.
Application Directions: Agave and Pineapple, Planting Material Dip: For control of mealybugs, prepare a 1 to 2% v/v solution. Dip planting material before planting. DO NOT lower the pH of the final dip solution below 7.0. Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.
VEGETABLES (Greenhouse and Outdoor) Brassica (cole) Crop Group 5, (such as: bok choy, broccoli, broccoli raab, brussels sprout, cabbage, cauliflower, Chinese broccoli, Chinese cabbage, collard greens, kale, kohlrabi, mustard greens and napa cabbage), Bulb Vegetable Crop Group 3-07 (such as: green onion, leeks, garlic, onion and shallot), Cucurbit Vegetable Crop Group 9 (such as: cucumber, melon, pumpkin and summer squash), Fruiting Vegetable Crop Group 8-10 (such as: eggplant, okra, pepper and tomato), Leafy Vegetable Crop Groups 4 and 4-16 (such as: celery, endive, escarole, lettuce, spinach, Swiss chard and watercress[*]), Legume Vegetable Crop Group 6-22 (such as: bean, edamame, pea and soybean), Root and Tuber Vegetable Crop Group 1 (such as: artichoke[*], beet, carrot, horseradish, potato, radish, rutabaga, sugar beet, sweet potato, and yam), and Asparagus [* Not registered for use in the State of California]
Pests Controlled: aphids (such as: green peach and root aphid), caterpillars, flea beetle, leafhoppers, mealybug, mites (such as: spider, broad, and russet), plant bugs, scales, Surinam cockroach†, thrips, whiteflies and powdery mildew †Suppression
Use Rates: Stand Alone Rate: 1 to 2% v/v solution for control of soft bodied insects and mites, or 1.5 to 2% v/v solution for control of powdery mildew. Tank Mix Rate: 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.
Application Directions: • Green peach aphid: For enhanced control, use this product in combination with other labeled insecticides. • Leafminer: Apply this product only in tank mix combination with a labeled companion insecticide. • Powdery mildew: Apply when first signs of powdery mildew appear and repeat at 7- to 14-day intervals, or as needed. • Root aphids: Apply this product as a stand-alone rate at up to 4% v/v solution as a soil drench. Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.
VINES: (Grape Crop Group 13-07D)
Pests Controlled: aphids (such as: Western grape aphid), caterpillars, leafhoppers, mealybugs, mites (such as: European red, two spotted, Pacific, Willamette), plant bugs, spotted lanternfly (SLF)†, whiteflies and powdery mildew [*Not registered for use in the State of California] †Suppression
Use Rates: Stand Alone Rate: 1 to 2% v/v solution for control of soft bodied insects and mites, or 1.5 to 2% v/v solution for control of powdery mildew. Tank Mix Rate: 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.
Application Directions: Vines: 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. Complete coverage of grape clusters as well as leaf surfaces is essential for effective control. • DO NOT apply in greater than 75 gallons of water per acre on table grapes after berries are 6 - 7 mm in diameter. • DO NOT apply this product to Calmeria or Italia varieties of grapes. • Initiate application at first sign of disease at or after bud break. Repeat at 7- to 10-day intervals, or as needed through veraison (development of variety-specific color). • Past veraison, apply at 0.25 to 0.50% v/v solution. • For powdery mildew: Apply when first signs of powdery mildew appear and repeat at 7- to 14-day intervals, or as needed. Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.
TURF
Pests Controlled: chinch bugs, cutworms, fleas, greenbugs, grubs, mites, mole crickets, sod webworms and powdery mildew
Use Rate: Stand Alone Rate: 1 to 2% v/v solution for control of soft bodied insects and mites, or 1.5 to 2% v/v solution for control of powdery mildew. Tank Mix Rate: 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.

Application Directions:

- Mole crickets: Irrigate turf prior to application of this product to bring mole crickets to the surface.
- Powdery mildew: Tank mixes with products containing chlorothalonil should be avoided as they can cause severe phytotoxicity.

Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.

**ORNAMENTAL LANDSCAPE TREES AND SHRUBS, CHRISTMAS TREES,
FLOWERS, BEDDING, AND INDOOR PLANTS**

Pests controlled: adelgids, ants (except pharaoh, fire, or harvester ants), aphids (such as: root aphid), buck moth larvae, earwigs, elm leaf beetle larvae, flea beetle, Japanese beetles, lace bugs, leafhoppers, mealybugs, mites (including Tetranychidae, Eriophyidae, Tarsonemidae), phyloxera, plant bugs, psyllid, sawfly larvae, scales, shore fly, spongy (formerly gypsy) moth eggs and larvae, tent caterpillars, thrips, whitefly, and powdery mildew

Use Rates: Refer to individual sections of this label for specific use rates and application methods that are different than what is listed here.

Stand Alone Rate: 1 to 2% v/v solution for control of soft bodied insects and mites, or 1.5 to 2% v/v solution for control of powdery mildew.

Tank Mix Rate: 0.25 to 2% v/v solution of this product in combination with other insecticides and/or fungicides.

Dip Rate: Apply 0.25 to 0.5% v/v stand-alone rate as a pre-plant dip to ornamental transplants. Apply 0.5% v/v tank mix rate as a pre-plant dip in combination with a recommended product to ornamental transplants.

Application Directions:**Dip:**

- Whitefly and mites at egg and larval stages: Always determine the sensitivity before applying to new seedlings and transplants. **DO NOT** dip stressed cuttings or transplants. Dip application is not intended for unrooted poinsettia cuttings or other sensitive unrooted cuttings.

Foliar:

- Adelgid, psyllid, scale on trees and shrubs: Apply sufficient volume to achieve thorough coverage.
- 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 solution 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 this product only in tank mix combination with a labeled companion insecticide that has residual activity.
- Whiteflies: Scout plants regularly and apply when pests first appear. Make a second application 7 days later to target newly hatched nymphs. To enhance pest control, apply as tank mix with other insecticides.
- Spongy (formerly gypsy) moth: To suppress spongy moth populations, apply a 3% v/v solution directly to the larvae.
- Eunonymous scale and others: For dormant applications, thoroughly wet crawlers with a 1 - 2% v/v solution plus horticultural oil 1% v/v solution.
- Spruce spider mite on conifers: Thoroughly wet infested needles. Repeat application after 7 days if needed.
- Powdery mildew on greenhouse grown roses: 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 3 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. Avoid mixing other forms of sulfur (sprayable or dusting) or applying this product within up to 5 days of a sulfur application as this may increase the potential for plant injury, especially during hot weather (>85°F).

PRECAUTION:

- Tank mixes with products containing chlorothalonil should be avoided as they can cause severe phytotoxicity.
- 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.
- Make additional applications at weekly intervals but avoid more than 3 consecutive weekly applications.
- Application of this product may alter the appearance of the glaucous waxy bloom on ornamentals, including Christmas trees.

Refer to the Timing of Application, Application Guidelines, Mixing Instructions, and Understanding Plant Sensitivity sections of this label for important information on the application of M-Pede.

Storage and Disposal

DO NOT contaminate water, feed or food by storage or disposal.

For nonrefillable rigid containers 5 gallons or less:

Pesticide Storage: Store only in original container and in a dry place that is inaccessible to children and domestic animals. Keep container tightly sealed when not in use.

Pesticide Disposal: Wastes resulting from the use of this product must 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.

Then 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 and in a dry place that is inaccessible to children and domestic animals. Keep container tightly sealed when not in use.

Pesticide Disposal: Wastes resulting from the use of this product must 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. Return to point of sale. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in sanitary landfill, or by incineration, 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 and in a dry place that is inaccessible to children and domestic animals. Keep container tightly sealed when not in use.

Pesticide Disposal: Wastes resulting from the use of this product must 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 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.

Then 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 Safety Data Sheet.

NOTICE ON CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

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, LLC. To the extent consistent with applicable law, all such risks are assumed by the Buyer and User.

Gowan Company, LLC warrants that this product conforms to the specifications on the label when used in strict conformance with the Direction for Use, subject to the above stated risk limitations. GOWAN COMPANY, LLC 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, LLC'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, LLC'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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[Note to reviewer: brackets denote optional text]

EPA Text (to EPA 10-15-25)