

PROPOSED LABEL

PENNCAP-M

MICROENCAPSULATED INSECTICIDE
EPA Registration No. 4581-292

GENERAL INFORMATION AND DIRECTION FOR USE

DIRECTIONS FOR USE

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

PENNCAP-M is a flowable formulation consisting of water suspension of polymenc-type microcapsules which contain methyl parathion. It is applied by air or ground, equipment by diluting it with an amount of water suitable for the specific crop and type of spraying equipment. For air application, use at least 2 gallons total spray per acre unless specified otherwise.

First add approximately half of the water to the spray tank, then add the required quantity of PENNCAP-M with good agitation, and finally add the rest of the water. This procedure should be followed to insure proper mixing of PENNCAP-M.

Mixtures of PENNCAP-M with emulsifiable concentrates, organic solvents, or some surfactants may cause increased toxicity and shorter residual effectiveness. This effect is more pronounced with concentrated sprays and extended periods between mixing and application.

DO NOT USE SCREEN OR NOZZLES FINER THAN 50 MESH. STIR OR SHAKE BEFORE USING.

PENNCAP-M will not control organophosphate resistant insects.

RE-ENTRY STATEMENT

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.

Do not enter treated areas until spray has dried unless appropriate protective clothing is worn.

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.

Written or oral warnings must be given to workers who are expected to be in an area about to be treated with this product. In case of accidental exposure, workers should wash thoroughly with soap and water and contaminated clothing should be removed and washed before reuse. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings shall be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "WARNING: Area treated with PENNCAP-M (insecticide on (date of application)). Do not enter without appropriate protective clothing until spray has dried. In case of accidental exposure, workers should wash thoroughly with soap and water and contaminated clothing should be removed and washed before reuse."

FIELD CROPS

Crop	Insects	Pints/Acre	Remarks
Alfalfa	Blue Alfalfa Aphid	1½-2	Do not spray alfalfa during bloom to avoid injury to bees.
	Grasshoppers*	1-3	
	Alfalfa Blotch Leafminer	2-3	Do not apply to alfalfa grown for seed within 7 days prior to bloom or while bloom is present in the treatment area.
	Alfalfa Plant Bug		
	Alfalfa Weevil (larvae and adults)		
	Green Cloverworm		
	Potato Leafhopper		
	Pea Aphid		
	Spittlebugs		
	Tarnished Plant Bug	2-4	
Cutworms			
Egyptian Alfalfa Weevil			

FIELD CROPS

Crop	Insects	Pints/Acre	Remarks
Corn (Field)	Corn Rootworm Adults (for protection of silks)	1-2	First Generation European Corn Borer: Whorl Application—2 pints per acre by ground Broadcast Application—4 pints per acre.
	Grasshoppers*	1-3	
	Aphids	2-3	Second Generation European Corn Borer: Broadcast Application—2 to 4 pints per acre. Use the low rate for light infestations. When environmental conditions favor extended moth flights of the second generation of European Corn Borer, two, correctly timed applications of PENNCAP-M at the lowest recommended rate may provide improved control over a single application at a higher rate.
	True Armyworm**		
	Corn Earworm	2-4	Apply PENNCAP-M at 2 pints/acre at the time of the initial hatch of the second generation. Repeat 10-14 days later.
	European Corn Borer		
Black Cutworm	Southwestern Corn Borer	4	For low volume aerial applications to control Corn Rootworm Adults, Aphids, European Corn Borer and Western Bean Cutworm use the indicated rates of PENNCAP-M at a minimum of ½ gallon total spray per acre. Application of undiluted PENNCAP-M is not recommended. Equipment that has been specially adapted and calibrated for low volume should be used. Best control will be achieved using spray devices that will produce droplets within the size range of 100 to 200 microns. The following conditions must be met: 1. Equipment must be adjusted to distribute spray uniformly over the spray swath. 2. Wind conditions and other factors such as temperature and humidity are such that the spray is deposited on the target. 3. Local regulations do not prohibit low volume aerial sprays. For most efficient European Corn Borer and Corn Earworm control, use a spray schedule suitably adapted to the area. For best Black Cutworm control, apply PENNCAP-M under moist soil conditions. To avoid injury to bees, do not apply during pollen shed if bees are visiting the areas to be treated during their normal foraging hours. Do not harvest, cut for forage, or graze within 12 days of application.
	Western Bean Cutworm		
Corn (Sweet)	Corn Rootworm Adults (for protection of silks)	1-2	First Generation European Corn Borer: Whorl Application—2 pints per acre by ground Broadcast Application—4 pints per acre.
	Grasshoppers*	1-3	
	Aphids	2-3	Second Generation European Corn Borer: Broadcast Application—2 to 4 pints per acre. Repeat applications as necessary to maintain control.
	True Armyworm**		
	Corn Earworm	2-4	For most efficient European Corn Borer and Corn Earworm control, use a spray schedule suitably adapted to the area. For best Black Cutworm control, apply PENNCAP-M under moist soil conditions. To avoid injury to bees, do not apply during pollen shed if bees are visiting the areas to be treated during their normal foraging hours. Do not apply later than 3 days before harvest. Do not cut for forage or graze within 12 days of application.
	European Corn Borer		
Cotton	Sap Beetles	4	Do not apply within 7 days of hand picking or harvest Do not apply within 15 days of harvest or grazing. Do not apply within 14 days of application of product. Do not apply within 15 days of harvest.
	Black Cutworm		
	Grasshoppers*		
	Thrips**		
Rangeland, Pasture, Grass grown for seed production, and Roadside Areas	Boil Weevil	1-3	Do not apply within 7 days of hand picking or harvest Do not apply within 15 days of harvest or grazing. Do not apply within 14 days of application of product. Do not apply within 15 days of harvest.
	Boilworm	4-6	
	Tobacco Budworm	4-6	
Rice	Grasshoppers*	1-3	Do not apply within 7 days of hand picking or harvest Do not apply within 15 days of harvest or grazing. Do not apply within 14 days of application of product. Do not apply within 15 days of harvest.
	Thrips**	2	
	True Armyworm**	2-3	
Rice	Stink Bugs	1-2	Do not apply within 7 days of hand picking or harvest Do not apply within 15 days of harvest or grazing. Do not apply within 14 days of application of product. Do not apply within 15 days of harvest.
	Grasshoppers*	1-3	

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FIELD CROPS

Crop	Insects	Pints/Acre	Remarks
Soybeans	Grasshoppers*	1-3	Do not make more than 2 applications per season.
	Bean Leaf Beetle	2-3	Do not apply within 20 days of harvest or grazing.
	Green Cloverworm		
	Mexican Bean Beetle		
	Potato Leafhopper		
	Silverspotted Skipper		
Tobacco	Sink Bugs	3-4	Do not apply within 5 days of growing. Avoid contact with plant juices when pruning or cutting tobacco.
	Three-cornered Alfalfa Mopper		
	Thrips**		
	Velvetbean Caterpillar		
	Corn Earworm (Podworm)		
	Japanese Beetle**		
Wheat, Oats, and Barley	Grasshoppers*	1-3	Do not apply within 15 days of harvest or grazing.
	Aphids	2-4	
	Tobacco Hornworm	4-6	
	Vegetable Weevil	4-6	
Wheat, Oats, and Barley	Flax Beetle	1-2	Do not apply within 15 days of harvest or grazing.
	Tobacco Budworm		
	Aphids (including Greenbug)		
Wheat, Oats, and Barley	Grasshoppers*	1-3	Do not apply within 15 days of harvest or grazing.
	True Armyworm**	2-3	

FRUIT CROPS

Crop	Insects	Pints/Acre	Remarks
Apples and Pears	Apple Maggot	4-8	Under heavy insect pressure, use the higher dosage. Consult your local agricultural experiment station for proper timing of sprays.
	Apple and Thorn Skeletonizer		
	Codling Moth		
	Fruit Tree Leafroller**	OR	Do not apply more than 8 pints per acre per treatment.
	Green Fruitworm		
	Lesser Appleworm		
	Oblique-banded Leafroller**	1-2 pints/100 gals. of dilute spray	Do not tank-mix PENNCAP-M with streptomycin since injury to fruit and foliage may result.
	Oriental Fruit Moth		
	Oyster Shell Scale**		
	Pandemic Leafroller**	Do not apply to D'Anjou pears as a concentrate or semi-concentrate spray since fruit injury is likely to occur.	Do not make initial application before total petal fall.
	Pear Plant Bug (pears only)		
	Plum Curculio		
	Red-banded Leafroller**	Do not apply when a substantial number of weeds or cover crops in orchards are in bloom and bees are actively visiting the area to be treated.	Do not apply within 14 days of harvest.
	San Jose Scale		
	Tarnished Plant Bug		
Cherries	Tufted Apple Budmoth	OR	Do not apply more than 6 pints per acre per treatment. Do not make initial application before total petal fall.
	Variegated Leafroller**		
	White-marked Tussock Moth		
	Woolly Apple Aphid**	1-2 pints/100 gals. of dilute spray	Do not apply when a substantial number of weeds or cover crops in orchards are in bloom and bees are actively visiting the area to be treated.
	Black Cherry Aphid**		
	Fruit Flies (including Cherry Fruit Fly)		
	Green Fruitworms	OR	Do not apply more than 6 pints per acre per treatment. Do not make initial application before total petal fall.
	Leafrollers**		
	Plum Curculio		
	Do not apply when a substantial number of weeds or cover crops in orchards are in bloom and bees are actively visiting the area to be treated.	1-2 pints/100 gals. of dilute spray	Do not apply within 14 days of harvest.
	Do not graze or feed cover crops from treated orchards		
	Do not apply within 14 days of harvest		
Grapes	Black Cherry Aphid**	4 OR	Do not apply more than 12 pints per acre per treatment.
	Fruit Flies (including Cherry Fruit Fly)		
	Green Fruitworms		
	Leafrollers**	2 pints/100 gals. of dilute spray	Do not apply within 14 days of harvest
	Plum Curculio		
	Red-banded Leafroller**		
	Grape Berry Moth	4-8 OR	Do not apply more than 12 pints per acre per treatment.
	Japanese Beetle**		
	Do not apply when a substantial number of weeds or cover crops in orchards are in bloom and bees are actively visiting the area to be treated.		
	Do not graze or feed cover crops from treated orchards	2-4 pints/100 gals. of dilute spray	Do not apply within 14 days of harvest
	Do not apply within 14 days of harvest		
	Do not apply within 14 days of harvest		
	Rose Chafer	6-8 OR	Do not apply more than 12 pints per acre per treatment.
	Do not apply when a substantial number of weeds or cover crops in orchards are in bloom and bees are actively visiting the area to be treated.		
	Do not graze or feed cover crops from treated orchards		
Potatoes	Do not apply within 14 days of harvest	3-4 pints/100 gals. of dilute spray	Do not apply within 14 days of harvest
	Do not apply within 14 days of harvest		
	Do not apply within 14 days of harvest		
	Grape Leafhopper (West of the Rocky Mountains)	8-12 OR	Do not apply more than 12 pints per acre per treatment.
	Do not apply when a substantial number of weeds or cover crops in orchards are in bloom and bees are actively visiting the area to be treated.		
	Do not graze or feed cover crops from treated orchards		
	Do not apply within 14 days of harvest	4-6 pints/100 gals. of dilute spray	Do not apply within 14 days of harvest
	Do not apply within 14 days of harvest		
	Do not apply within 14 days of harvest		
	Do not apply within 14 days of harvest	4-6 pints/100 gals. of dilute spray	Do not apply within 14 days of harvest
	Do not apply within 14 days of harvest		
	Do not apply within 14 days of harvest		
	Do not apply within 14 days of harvest	4-6 pints/100 gals. of dilute spray	Do not apply within 14 days of harvest
	Do not apply within 14 days of harvest		
	Do not apply within 14 days of harvest		
	Do not apply within 14 days of harvest	4-6 pints/100 gals. of dilute spray	Do not apply within 14 days of harvest
	Do not apply within 14 days of harvest		
	Do not apply within 14 days of harvest		

FRUIT CROPS

Crop	Insects	Pints/Acre	Remarks
Nectarines, Peaches, Plums, and Prunes	Lesser Peachtree Borer	4 1/2-6 OR 1 1/2 pints/100 gals. of dilute spray	Do not apply more than 8 pints per acre per treatment.
	Peachtree Borer		Do not apply more than 2 1/2 gallons per acre per year to nectarines.
	Carfacing Insects	3-6 OR 1-2 pints/100 gals. of dilute spray	Do not make initial application before total petal fall.
Nectarines, Peaches, Plums, and Prunes	Oriental Fruit Moth	3-6 OR 1-2 pints/100 gals. of dilute spray	Do not apply when a substantial number of weeds or cover crops in orchards are in bloom and bees are actively visiting the area to be treated.
	Plum Curculio		Do not graze or feed cover crops from treated orchards.
	Peach Twig Borer	8	Do not apply later than 14 days before harvest.
Nectarines, Peaches, Plums, and Prunes	Peach Twig Borer	8	Do not apply in less than 200 gallons per acre.
	Do not apply in less than 200 gallons per acre		Make dormant or delayed dormant applications only. May be mixed with suitable spray oil. Do not allow tank mixes of PENNCAP-M and oil to stand but use immediately. For precautions relating to the protection of pollinators and the grazing or feeding of cover crops see above.
	Do not apply in less than 200 gallons per acre	As above	Do not use more than 2 1/2 gallons per acre on peaches from January 1 to harvest.
	Do not use more than 2 1/2 gallons per acre on peaches from January 1 to harvest		Do not use more than 8 pints per acre per treatment when using dilute sprays on nectarines.
Nectarines, Peaches, Plums, and Prunes	Do not use more than 8 pints per acre per treatment when using dilute sprays on nectarines	As above	Do not apply more than 2 1/2 gallons per acre per year to nectarines.
	Do not apply more than 2 1/2 gallons per acre per year to nectarines		For precautions relating to the protection of pollinators and the grazing or feeding of cover crops see above.
	For precautions relating to the protection of pollinators and the grazing or feeding of cover crops see above	Do not apply within 21 days of harvest	Do not apply within 21 days of harvest.
	Do not apply within 21 days of harvest		Do not apply within 21 days of harvest.

VEGETABLE CROPS

Crop	Insects	Pints/Acre	Remarks
Artichokes	Artichoke Plume Moth	4	Do not apply within 7 days of harvest.
Beans (Dry Southern Peas)	Aphids**	2	Beans—To avoid injury to bees, do not apply during the period from 7 days prior to first bloom through peak bloom. After this time PENNCAP-M may be applied to beans as long as bees are not actively visiting the area.
	Cucumber Beetles (Diabrotica spp.)		
	Green Cloverworm		
	Leafhoppers	2-4	Southern Peas—Start application when blooms are first observed and repeat at 3 to 5 day intervals.
	Lygus Bugs		
	Mexican Bean Beetle		
	Cowpea Curculio	4	Do not apply within 15 days of harvest.
	European Corn Borer		
	Corn Earworm		
	Do not apply within 15 days of harvest	2	Do not make more than 3 applications per season.
	Do not make more than 3 applications per season		
	Do not apply within 3 days of harvest		
Succulent Beans	Aphids**	2	Do not make more than 3 applications per season.
	Cucumber Beetles (Diabrotica spp.)		
	Green Cloverworm		
Succulent Beans	Leafhoppers	2-4	Do not apply within 3 days of harvest.
	Lygus Bugs		
	Mexican Bean Beetle		
Succulent Beans	Cowpea Curculio	4	Do not apply within 15 days of harvest.
	European Corn Borer		
	Corn Earworm		
Cabbage	Do not apply within 15 days of harvest	2-4	Do not apply within 21 days of harvest.
	Do not apply within 15 days of harvest		
	Do not apply within 15 days of harvest		
Cabbage	Do not apply within 15 days of harvest	4-6	Do not apply within 21 days of harvest.
	Do not apply within 15 days of harvest		
	Do not apply within 15 days of harvest		
Onions	Do not apply within 15 days of harvest	2	Do not apply when onions are blooming to avoid injury to bees.
	Do not apply when onions are blooming to avoid injury to bees		
	Do not apply within 15 days of harvest		
Peas (White Blooming)	Do not apply within 15 days of harvest	2	Do not apply more than 4 pints per acre per year.
	Do not apply more than 4 pints per acre per year		
	Do not apply within 10 days of harvest for pods.		
Peas (White Blooming)	Do not apply within 10 days of harvest for pods	2	Do not harvest for forage of grazing animals 15 days after application.
	Do not harvest for forage of grazing animals 15 days after application		
	Do not harvest for forage of grazing animals 15 days after application		
Peas (Austrian Winter)	Do not harvest for forage of grazing animals 15 days after application	2	See Peas (White Blooming).
	See Peas (White Blooming)		
	Do not apply within 7 days of bloom if bloom is evident in the area to be treated		
Potatoes	Do not apply within 7 days of bloom if bloom is evident in the area to be treated	1-3	Do not apply within 5 days of harvest.
	Do not apply within 5 days of harvest		
	Do not apply within 5 days of harvest		
Potatoes	Do not apply within 5 days of harvest	2-4	Do not apply within 5 days of harvest.
	Do not apply within 5 days of harvest		
	Do not apply within 5 days of harvest		
Potatoes	Do not apply within 5 days of harvest	2-6	Do not apply within 5 days of harvest.
	Do not apply within 5 days of harvest		
	Do not apply within 5 days of harvest		
Tomatoes	Do not apply within 5 days of harvest	2-4	Do not apply within 15 days of harvest.
	Do not apply within 15 days of harvest		
	Do not apply within 15 days of harvest		
Tomatoes	Do not apply within 15 days of harvest	4	Do not apply within 15 days of harvest.
	Do not apply within 15 days of harvest		
	Do not apply within 15 days of harvest		

*For grasshoppers, use higher rates if the majority of insects are large or weather is cool.

**Not for use in California.

APPLICATION THROUGH SPRINKLER IRRIGATION SYSTEMS (EXCEPT CALIFORNIA)

Apply PENNCAP-M insecticide only through systems containing anti-siphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to insure simultaneous shut-off.

Maintain a gentle continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.

Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well/pivot injection unit to prevent spray being applied to this area. All screens should be 50 mesh or larger.

Where sprinkler distribution patterns do not overlap sufficiently, unacceptable insect control may result. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

PENNCAP-M may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, resulting in reduced performance and should be avoided.

Check local restrictions and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

SPRAY PREPARATION:

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

Prepare a suspension of PENNCAP-M insecticide in a mix tank. Fill the tank with $\frac{1}{2}$ or $\frac{1}{4}$ the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of PENNCAP-M and then the remaining volume of water.

The addition of once-refined vegetable oil in the mix tank (1 part oil and 1 part PENNCAP-M) may improve efficacy. The PENNCAP-M should be added to the mix tank first.

APPLICATION INSTRUCTIONS:

Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy. Start sprinkler and then uniformly inject the suspension of PENNCAP-M into the irrigation water line so as to deliver the desired rate per acre. The suspension of PENNCAP-M should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

NOTE: When treatment with PENNCAP-M has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

Crop	Insect	Rate Pints/Acre	Remarks
Alfalfa	Egyptian Alfalfa Weevil	2-4	Do not apply to alfalfa during bloom to avoid injury to bees.
	Alfalfa Weevil	2-3	Do not apply to alfalfa grown for seed within 7 days prior to bloom or while bloom is present in treatment area.
	Potato Leafhopper	1-3	Do not apply within 15 days of harvest or grazing.
	Grasshoppers	1-3	Do not apply within 15 days of harvest or grazing.
Beans	Cucumber Beetle (<i>Diabrotica</i> sp.)	2	To avoid injury to bees, do not apply during the period from 7 days prior to first bloom to peak bloom. After this time, PENNCAP-M may be applied as long as bees are not actively foraging. Do not apply within 15 days of harvest.
Corn, Sweet & Field	Corn Rootworm Adults	1-2	To avoid injury to bees, do not apply during pollen shed if bees are visiting the areas to be treated during their normal foraging hours.
	Aphids	2-3	
	Flea Beetle	2-4	First Generation European Corn Borer, 4 pints per acre.
	Corn Earworm	2-4	Second Generation European Corn Borer, 2-4 pints per acre. Use the low rate only for light infestations. On sweet corn repeat applications as necessary to maintain control.
	European Corn Borer	2-4	For the most efficient European Corn Borer and Corn Earworm control, use a spray schedule suitably adapted to the area.
	Sap Beetle (Sweet only)	2-4	Do not cut field or sweet corn for forage or graze within 12 days of application. Do not harvest field corn within 12 days of application.
Cabbage	Western Bean Cutworm (Field only)	2-4	Do not apply to sweet corn later than 3 days before harvest.
	Southern Corn Borer (Field only)	2-4	
Cabbage	Diamondback Moth	2-4	Do not apply within 21 days of harvest.
	Imported Cabbageworm	4-6	
Southern Pears	Cowpea Curculio	2-4	Start application when blooms are first observed and repeat at 3-5 day intervals.
	Cucumber Beetle (<i>Diabrotica</i> sp.)	2	Do not apply within 15 days of harvest.

Multiple applications may be necessary if insect pressure is heavy. Under heavy insect pressure the higher rates are recommended.

ULV AERIAL APPLICATION IN WATER TO COTTON

APPLICATION INSTRUCTIONS

Use spray equipment that has been specifically adapted and calibrated for ultra-low-volume spraying of PENNCAP-M. The following conditions are to be met:

1. Equipment must be adjusted to distribute the spray uniformly over the spray swath.
2. Do not apply when wind conditions favor drift from treated areas.

Spray equipment should be cleaned as soon as possible after completion of spraying. Strainers should be cleaned daily. Do not allow PENNCAP-M to dry in or on application equipment before cleaning.

Crop	Insect	Rate	Remarks
Cotton	Boll Weevil	PENNCAP-M 1-2 pints Plus an equal amount of water 1-2 pints	Begin applications when damaging levels of boll weevils appear. Repeat applications as necessary to maintain insect control. Add a material for Heliothis control to the tank mix when bollworms and/or budworms (<i>Heliothis</i> spp.) are present. Use the rate recommended on the label for the specific material used. Cotton may be machine harvested any time after application.

TANK MIXES WITH PENNCAP-M

TANK MIX FOR USE ON APPLES AND PEARS
(All Apple and Pear Growing Areas Except California)

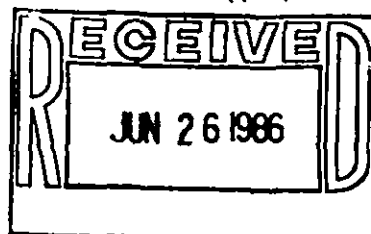
Insects	Rate	Remarks
Apple Maggot	PENNCAP-M	Do not apply more than
Apple and Thorn Skeletonizer	2-4 pints/acre	4 pints PENNCAP-M plus
Codling Moth		1 pound azinphos-methyl
Fruit Tree Leafroller	Plus	50W per acre per treatment.
Green Fruitworm	azinphos-	
Lesser Appleworm	methyl 50W	
Oblique-banded Leafroller	1 lb./acre	Do not apply within 7 days of
Oriental Fruit Moth	OR	harvest.
Oyster Shell Scale		
Pandemus Leafroller	PENNCAP-M	
Pear Plant Bug (pears only)	$\frac{1}{2}$ -1 pint	
Plum Curculio		
Red-banded Leafroller	Plus	
San Jose Scale	azinphos-	
Tarnished Plant Bug	methyl 50W	
Tufted Apple Budmoth	$\frac{1}{2}$ lb./100 gallons	for dilute spray
Vanegated Leafroller		
White-marked Tussock Moth		
Woolly Apple Aphid		

Observe all limitations, precautions, and rate recommendations which appear on the labels for these products.

TANK MIX FOR USE ON APPLES AND PEARS (All Apple and Pear Growing Areas Except California)

Insects	Rate	Remarks
Apple Maggot	PENNCAP-M	Do not apply more than
Apple and Thorn Skeletonizer	2-4 pints/acre	4 pints PENNCAP-M plus
Codling Moth		6 pints Zolone 3EC or
Fruit Tree Leafroller	Plus one of the	8 pounds Zolone 25W
Green Apple Aphid	following:	per acre per treatment.
Green Fruitworm	ZOLONE 3EC*	
Lesser Appleworm	2-6 pints/acre	Do not apply within 14 days of
Oblique-banded Leafroller	ZOLONE 25W	harvest.
Oriental Fruit Moth	4-8 lbs./acre	
Oyster Shell Scale	OR	
Pandemus Leafroller		
Pear Plant Bug (pears only)	PENNCAP-M	
Plum Curculio	$\frac{1}{2}$ -1 pint	
Red-banded Leafroller	Plus one of the	
San Jose Scale	following:	
Tarnished Plant Bug	ZOLONE 3EC	
Tentiform Leafminer	$\frac{1}{2}$ -1 $\frac{1}{2}$ pints	
Tufted Apple Budmoth	ZOLONE 25W	
Vanegated Leafroller	1-2 lbs./100 gallons	for dilute spray
White Apple Leafhopper		
White-marked Tussock Moth		
Woolly Apple Aphid		

Observe all limitations, precautions, and rate recommendations which appear on the labels for these products.
*ZOLONE is a registered trademark of Rhone-Poulenc Chemical Company.



PROPOSED LABEL

TANK MIX FOR USE ON APPLES (All Apple Growing Areas Except California)

Insects	Rates	Remarks
Apple Maggot Apple and Thorn Skeletonizer Codling Moth Fruit Tree Leafroller Green Apple Aphid Green Fruitworm Lesser Appleworm Oblique-banded Leafroller Oriental Fruit Moth Oyster Shell Scale Pandemic Leafroller Plum Curculio Red-banded Leafroller San Jose Scale Tarnished Plant Bug Temiform Leafminer Tufted Apple Budmoth Variegated Leafroller White Apple Leafhopper White-marked Tussock Moth Woolly Apple Aphid	PENNCAP-M 2-4 pints/acre Plus one of the following: methomyl 1.8L 2-4 pints/acre methomyl 90SP 1/2-1 lb/acre OR PENNCAP-M 1/2-1 pint Plus one of the following: methomyl 1.8L 1/2-1 pint methomyl 90SP 2-4 ounces/100 gallons for dilute spray	Do not apply more than 4 pints PENNCAP-M plus 4 pints methomyl 1.8L or 1 pound methomyl 90SP per acre per treatment. Do not apply within 8 days of harvest.

Observe all limitations, precautions, and rate recommendations which appear on the labels for these products

TANK MIX FOR USE ON APPLES (All Apple Growing Areas East of the Rocky Mountains)

Insects	Rates	Remarks
Apple Maggot Apple and Thorn Skeletonizer Codling Moth Fruit Tree Leafroller Green Apple Aphid Green Fruitworm Lesser Appleworm Oblique-banded Leafroller Oriental Fruit Moth Plum Curculio Red-banded Leafroller San Jose Scale Temiform Leafminer Tufted Apple Budmoth Variegated Leafroller White Apple Leafhopper Woolly Apple Aphid	PENNCAP-M 2-4 pints/acre Plus THIODAN SOWP 2 lbs/acre OR for dilute sprays PENNCAP-M 1/2-1 pint Plus THIODAN SOWP 1/2 lb/100 gallons of spray mixture	Under heavy pressure from maggots, fruitworms, leafrollers, curculio, scale and budmoth use the higher dosage of PENNCAP-M Do not apply within 21 days of harvest

Observe all limitations, precautions, and rate recommendations which appear on the labels for these products
*THIODAN is a registered trademark of Hoechst AG

TANK MIX FOR USE ON COTTON (All Cotton Growing Areas Except California)

Insects	Rates/Acre	Remarks
Boll Weevil Bollworm Tobacco Budworm	PENNCAP-M 2-3 pints Plus one of the following: GALECRON® SP FUNDAL® SP** 1/4-1/2 pound GALECRON 4E FUNDAL 4E 1/4-1/2 pint	Always prepare fresh mixtures just prior to use. Do not apply within 21 days of harvest. Do not feed foliage from treated cotton plant or gin trash to livestock

Observe all limitations, precautions, and rate recommendations which appear on the labels for these products
*GALECRON is a registered trademark of Ciba-Geigy.
**FUNDAL is a registered trademark of Nor-AM Chemical Co

TANK MIX FOR USE ON COTTON (All Cotton Growing Areas Except California)

Insects	Rates/Acre	Remarks
Armyworms Boll Weevil Bollworm Cabbage Looper Plant Bugs Tobacco Budworm Whiteflies	PENNCAP-M 1-3 pints Plus ORTHENE® Insecticide* 1/2-1 pound	Do not apply within 21 days of harvest

Observe all limitations, precautions, and rate recommendations which appear on the labels for these products
*ORTHENE is a registered trademark of Chevron Chemical Company.

TANK MIX FOR USE ON COTTON (All Cotton Growing Areas Except California)

Insects	Rates/Acre	Remarks
Boll Weevil Bollworm Tobacco Budworm	PENNCAP-M 1-2 pints Plus AMBUSH® Insecticide* 1.5-4.5 Pint	Low rates and rates should be used under low insect pressure or in a season long program under close scouting supervision Do not apply within 14 days of harvest

Observe all limitations, precautions, and rate recommendations which appear on the labels for these products
*AMBUSH is a registered trademark of ICI Americas, Inc

TANK MIX FOR USE ON COTTON (All Cotton Growing Areas Except California)

Insects	Rates/Acre	Remarks
Boll Weevil Bollworm Tobacco Budworm	PENNCAP-M 1-2 pints Plus PYDRIN® Insecticide* 1.6-2.3 Pint	Low rates and rates should be used under low insect pressure or in a season long program under close scouting supervision Do not apply within 14 days of harvest

Observe all limitations, precautions, and rate recommendations which appear on the labels for these products
*PYDRIN is a registered trademark of Shell Chemical Company.

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Pennwalt Corporation warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use. Subject to the risks referred to therein, PENNWALT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL PENNWALT OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS INTERRUPTION OR CUSTOMERS LABOR COST, OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

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5-Z401D-03 G6 (7/86)

Made and Printed in U.S.A.

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

PENNCAP-M

MICROENCAPSULATED INSECTICIDE

ACTIVE INGREDIENTS:	
O,O-Dimethyl O-p-nitrophenyl phosphorothioate	20.9%
Related Isomers	1.1%
Xylene Base Aromatic Solvent	4.9%
INERT INGREDIENTS	73.1%
TOTAL	100.0%

*Methyl Parathion (Contains 2 pounds Methyl Parathion and Related Isomers per Gallon)
U.S. Patent Nos. 3,429,627, 3,577,515, 3,959,464

KEEP OUT OF REACH OF CHILDREN ADVISORY WARNING

PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que le etiquete haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person.

IF ON SKIN, immediately wash with soap and water and flush with plenty of water.

IF IN EYES, immediately flush eyes with plenty of water for at least 15 minutes.

Refer to back panel for Precautionary and First Aid statements and Note to Physician.



EPA Registration No. 4531-202
EPA Establishment No. 4581-TX-1

Net Contents: _____ U.S. Gallons/ _____ Liters

Sold by:

AGCHEM DIVISION—PENNWALT CORPORATION
Philadelphia, Pa. 19102

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

MAY BE FATAL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN OR INHALED.

Wash thoroughly with soap and water after handling and before eating or smoking. Avoid contact with skin, eyes, or clothing. Avoid breathing vapors and spray mist. Remove contaminated clothing and wash before reuse. Use in ventilated areas since accumulation of xylene vapors may be hazardous. Use with adequate ventilation. Avoid prolonged breathing of vapor.

FIRST AID: Call a physician in all cases of suspected poisoning. It is suggested that a suitably equipped local medical facility be identified prior to using this product.

Warning symptoms of organophosphate poisoning include weakness, headache, tightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. If these symptoms appear transport the patient immediately to the nearest hospital. Keep patient prone and quiet. Start artificial respiration immediately if patient is not breathing.

Note to Physician: The active ingredient of PENNCAP-M is an organophosphate cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. Morphine is contraindicated.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to wildlife and fish. Use with care when applying in areas frequented by wildlife or adjacent to any body of water. Birds and other wildlife feeding in treated areas may be killed. Keep out of lakes, ponds, and streams. Do not apply when weather conditions favor runoff or drift from target areas.

THIS PRODUCT IS HIGHLY TOXIC TO BEES exposed to direct treatment or residues on crops or blooming weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the areas to be treated. Refer to and follow the more specific and applicable precautions in the directions for certain crops. Protective information may be obtained from your Cooperative Extension Service.

STORAGE AND DISPOSAL

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

Storage Instructions: Store in the original container. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbant in accordance with the Pesticide Disposal Instructions listed below.

Pesticide Disposal Instructions: 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 Instructions: 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.

WARRANTY AND DISCLAIMER

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