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310 200 889 18)

Platte Chemical Company 419 18th Street P.O. Box 667 Greeley, CO 80632

Subject:

- (1) Malathion ULV Concentrate Insecticide EPA #34704-565
- (2) Clean Crop Malathion ULV-91 EPA #34704-203 Your Application Dated 12-29-89

The amendment referred to above, submitted in connection with registration under PIFRA sec. 3(c)(7)(A), is acceptable provided that you:

- 1. Submit and/or cite all data required for registration/reregistration of your product under PIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
- Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

William H. Miller Product Manager (16)

Insecticide-Rodenticide Branch Registration Division (H7505C)

56240:I:Miller:M-15:/FN²J:03/15/90:04/16/90:CL:SW:DD:CL

CONCURRENCES SYMBOL SURNAME DATE EPA Ferm 1320-1 (12-70)

OFFICIAL FILE COPY

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful II smalleured, inheled or obserbed through aidn. Availd breathing vepors or apray mist. Avoid contact with skin, eyes, or clothing. Weath thoroughly after handling and before testing or smalling. Do not contaminate feed or foodstuffs. Change contaminated clothes.

STATEMENT OF PRACTICAL TREATMENT

If smallewed: Call a physician or poleon control center immediately. Induce vomiting by giving 1 or 2 glasses of water and trusting back of threat with linger or blunt object. Do not trust oversting or give anything by mouth to an unconscious seems.

If Inhaled: Remove victim to fresh elt. Apply ertificial respiration if indicated.

If on side: Remove contaminated clothing and week affected areas with scap and water.

If in eyes: Fluish with water for at least 15 minutes and get medical attention.

Note to physician: This material in a cholinesterage inhibitor. That symptomatically. Airopine is an anticor

ENVIRONMENTAL HAZARDS

This posticide is traic to fish, aquatic invertebrates, and aspectic title stages of amphibians. Do not apply directly to setter or instance (i.e., average, bogs, marshes, and pottestes). Drift and runoff may be hexardous to aquatic organisms in areas near the application site. Do not contaminate with when disposing of equipment weekwaters.

This product is highly tools to been exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if been are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS Do not use or store near heat or open flores.

DIRECTIONS FOR USE

It is a violation of Pederal Laur to use this product in a manner incomplatent with its labeling.

REENTRY

Do not enter treated areas without protective clothing until sprays have dited. Professive clothing meums, at least, a hat or other suitable here' expering it imig stepped shirt and long legged treaters or a second type gardent (all of closely seven fauric asserting the body prouding the arms and legal, states and sectio. Because curtain states may require more restrictive reportry intervals for verticus crops treated with this product, cament your State Department of Agriculture for further tutionary. De not apply Lie product, is such a momenter as to directly or through diff registe workers or other passes. The over the leg is, stad or set to uncoloud by engineers.

belled person.

Willian or and warnings must be given to westers who are expected to be in a treated even or in an area shoul to be because with the product. Our warnings must be given if there is reason to believe that writen warnings connect be understand by warnings. When oral warnings are given, narnings deat to given in a language customarily understood by werk-

Witten or oral warnings must include the following informa-

CAUTION

(Insert area or field description) treated with melethion on finest date of application.) Do not enter treated areas without protective clothing until aprays have dried, in case of accidental exposurer. Call a dectar (physician), clinic or haspital immediately. Explain that the victim has been exposed to melethion and describe his condition. For further information see the "STATEMENT OF PRACTICAL. TREATMENT" person of the posticide label.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not conteminate uniter, food, or feed by storage or disposed. Open dumping is prohibited. Do not reuse empty container. Do not store under conditions which might adversely effect the container or its ability to function properly.

properly.

STORAGE: Store in sele manner. Store in original container only. Keep certainer tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesicide handling.

PESTICIDE DISPOSAL: Waster resulting from the use of this product may be disposed of an alle or at an approved made disposal facility

waste disposal facility.

CONTAINER DISPOSAL: Minimit: Titute rirace (or equivation). Then offer for recycling or reconditioning, or puncture and dispose of in a sententy lendfill, or by other procedures approved by state and local authorities. Plastic: Triple rirace (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sentent tendfill, or incineration, or, it allowed by state and local authorities, by burning. If burned, stay out of smoles.

Do not apply this product through any type of irrigation eye-tem.

NOTICE

Platte warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of the product. One injury, ineffectiveness, or other unintended consequentes may result because of such factors as weather conditions, presence of other nuterials, or the : ner of use or application, all that the liable for consequential, special or indirect demands resulting from the use or hending of this product. All such risks shall be assumed by the buyer. Platte makes no warranties of Merchantability or librate for a particular jurpose nor any other express or implied varrantly except to stated above.



PORMULATED FOR - PLATTE CHEMICAL CO., 100 SQ. MARI STREET PREMONT, NESPASKA 6" "88

Maiathion RQ NA2783

ORM-A

MALATHION ULV

CONCENTRATE INSECTICIDE

ACTIVE INGREDIENT:

Melethion: 0,0-dimethyl phosphorodithioste of diethyl mercaptosuccinate

15%

INERT INGREDIENTS

TOTAL

100%

(Contains 9.79 pounds malathion per gallon.)

KEEP OUT OF REACH OF CHILDREN CAUTION—PRECAUCION

AL USUARIO: Stueted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

OSC SIPPENE IN Additional Precautionary Statements.

MAR 1 6 1990 EPA REG. NO. 34704-565

der the Federal Innecticida, Figure 12 C. 1 Secticida Ret. 43 Americad. EPA EST. NO. ф.

NET CONTENTS

GALLONS

. 25413

DEPO YES

CAUTION—PRECAUCION

heye side employed excellengate.
(TO THE USER: If you cannot read English, do not use this preduct until the label has been fully emploined to you.)

EPA REG. NO. 34704-565

personal registrates and EPA Rog. No.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANMALS

CAUTION

Harmful II availoused, inheled or absorbed through side. Avoid breath-ing vapors or apray mist. Avoid e-misst with side, eyes, or clothing. Wash thoroughly after handling and before eating or emoking. Do not centerminate feed or foodstatile. Change conteminated clothes.

STATEMENT OF PRACTICAL TREATMENT

www. private Call a physician or poleon control center immediately. Induce your ling by giving 1 or 2 glasses of water and touching back of threat with finger or blust object. Do not induce vomiting or give anything by mouth to an unconscious person.

If initialist: Remain whater in fraction

ed: Remove victim to treeh ele. Apply artificial respiration if

If an akin: Remove conteminated ciciting and wash effected areas with ecep and water

If in eyes: Flush with water to. . least 15 minutes and get medical

Note to physicism: This materia! is a cholinesterase inhibitor. West symptomatically. Atropine is an an inte.

ENVIRONMENTAL HAZARDS

This peeticide is toxic to fish, equalic invertebrates, and equatic fite stages of emphibians. Do not apply directly to water or wellends (i.e., amps, bogs, marshes, and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application alia. Do not contaminate water when disp using of equipment washing

This product is highly tests to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OF: CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

REENTRY

Do not enter treated areas without protective clothing until aprays have dried. Protective clothing means, at least, a hat or other sullable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven febric covering the body, including

the arms and tegs), shoes and socia. Because certain # require more regrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

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

Written or oral warnings must include the following information: CAUTION

(insert area or field description) treated with melathion on (insert date of application.) Do not enter treated areas without protective ciuthing until aprays have dried, in case of socidental exposure: Cell a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to maisthion and describe his condition. For the their information see the "STATEMENT OF PRACTICAL TREATMENT" portion of the peeticide inbal.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty containce. Do not store under conditions which might adversely affect

the container or its ability to function property. STORAGE: Store in eale manner. Store in original container only. Keep container tightly alseed when not in use. Reduce stacking height where local conditions can affect package elrength. Personnel should use clothing and equipment consistent with good peet-

PESTICIDE DISPOSAL: Whethe resulting from the use of this product may be disposed of an alle or at an approved weste disposed

CONTAINER DISPOSAL: Metet: Titple rines for equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sentiary landfill, or by other procedures approved by state and local authorities. Pleetie: Tiple rince (or equivalent). Then effer for recycling or reconditioning, or puncture and dispose of in a sanitary tenditi, or incineration, or, if allowed by the and local authorities, by burning. If burned, stay out of smoke.

Do not apply this product through any type of brigation eye

MOSQUITO CONTROL IN POPULATED
AND RURAL AREAS
IMPORTANT NOTICE
TO BE APPLIED ONLY BY TRAINED PERSONNEL OF PUBLIC
HEALTH ORGANIZATIONS, MOSQUITO ABATEMENT DISTRICTS
OR PEST CONTROL COMPANIZATIONS. OR PEST CONTROL OPERATORS

AERIAL APPLICATION
ADULT MOSQUITO CONTROL OVER CITIER, TOWNS, AND OTHER
AREAS WHERE AUTOMOBILES, TRAILERS, TRUCKS AND PLEA-SUPE BOXTS ARE PRESENT: Apply 2.6 to 3.0 fluid owners of MALA-THION ULV per acre. Apply only when weather conditions are inversible. While and riging air ourserts may cause undesirable apray

drift and reduce insect control.

MEPORTANT: Undisted agrey dropints of MALATHEON ULY will permanently demage vehicle paint finishes unless the strong used for the utra low volume application meets all of the specifications listed below. Fixed Wing Aircra

Aircraft is operated at 150 mph or more.
There are no leafer in the ultra low volume apray aye

- 3. Nozzies are pieced on the boom at a 45° angle down and into the
- 4. Disphragm check valves are used on all nozzies to insure positive cut-o.; of the epray.

 5. Dosage of MALATHION ULV does not exceed 3 fluid ounces per
- The earny system produces droplets of this product in the 50 to 60 mass median diameter (MMO) micron range, with no more than 10% of the droplets exceeding 100 microns, as determined by readings made from microscupe sides coaled with DRH ILM" or TEFLON® .

Helicopt

Equipment specifications

- 1. Rotary nozzle equivalent to Bescomist Spray Head Assembly Model No. 350 equipped with:
 - a. a direct reading RPM techometer or low RPM signal light readily visible to operator;
 - b. a stainlese eteol porous metal eleeve, 20 micron pore size dynamically balanced to the nozzle;
 - a disphragm check valve as near to the rolary nozzie as possible to insure positive out off of the spray;

- d. nozzie on-off switch separate from main switch and pump autich.
- 2. Minimum no-load nozzle speed of 10,500 RPM.
- A continuous nonpulsating metered flow must be maintained by a variable speed instaring pump equipped with:
 - a. a positive cut off valve between tank and pump;
 b. a flow gauge or techometer visible to operator;

 - c. a pump on-off switch separate from main switch and nozzle mulich.
- Maximum flow rate of 0.5 gallon per minute per nozzie.
- 5. Rolary nozzle must be mounted behind and below the boom with the alcove directed toward the rear of the aircraft and parallel to the ground during flight. Nozzie must be positioned to minimize air turbulence and the collection of MALATHION ULV, droplets on mounting braciusts, teed lines, fittings, etc., or any part of the aircraft
 - * Tradement of General Electric Company
 - Registered Trademark of E.I. duPort de Nemours & Co., Inc.

- MALATHON ULV must be prelitered through a 10 micron filter prior to transfer into helicopter tank, A 50 mesh stainless steel line strainer must be installed in the pump feed line.
- Entire system, including tank, pump, nozzle and find Print, to be used only for application of MALATALCA, ULX.
- Entire system must be inspected daily to meure that there are no
- Sloove must be removed and clarated transclassly tiltar tech use by weahing with hot water and blowing cry from outside in with an ak
- Rotating nozzle must be turned on and operating below turning on pump. For shut off, pump must be about off and times cleared prior to stopping nozzle rot
- 6. Dosego of MALATHION ULV does not exceed 3 find o'r cos per
- 7. The apray system must produce droptess of MALATHON ULY with a mass modian diameter (MMD) of less than 50 microst, with no more than 2.5% of the droptets expeeding 100 micros: rs deter-mined by readings made from microscope alides coated with DRI-FILM OF TEFLONL

PMIL

34704-565

GROUND APPLICATION

Thormal Astronals of Page
For certail of paint managelose with thermal assessic or lage, applicated of the sale of 6-6 or, establigation (2.9-5.2 galler MAL/ETHION ULY in 100 gritums finisher; estation") by ground equit ment delivering 40 gallers per hour of a vehicle open hour to book a goodh width, of 300-4% loot.

the rhemical composition of funt oils on may be used as thermal tog solverts. These differences may see studge and/or affect the solubility of the MALATHON USA. For is complete details on tests for charge formation and exhability in test log solutions, write Plate Chamical Company, P.O. Box 667, elsy, CO 80832 "There is a great work." " the rive

Alle: Labeling Dust.

ووردية لمسر

Over a 300-lost suath can be produced using the non-thermal sitra low volume serceol method with MALATHION ULX. Use the following rates at the indicated vehicle speeds:

Vehicle Speed Miles per Hour	Place Plate of MALASTICON Peuts Company per Minerio	Meximum Plear Parts par Hour
,	1.0 to 2.1 Suid owners	1 pullon
	2.8 to 4.3 field owners	2 galles
15	3.0 to 6.46 third demand	S gallera
	4.8 to E.S Suid Outport	4 miles

For control of e-full stable By in populated and rural areas with nonther-mal aerosols of MALATHION ULV using the ultra low volume method, use the following flow rates at the indicated vehicle speeds:

Volitole Opend	Flow Rate of MALATHON Fluid Owners per Minute	Mexicoun Plan Rate per Hour
	2.1 Ruid ounders	· pallen
10	4.3 field outcom	2 gallena

DROPLET SIZE

- The Meet Median Diameter (MMD) of the droplets should not exceed 17 microns. The MMD is the drop diameter which divides the 1. The Mass Median Diam spray volume into two equal parts; i.e., 50% of the volum frop eizes below the MMD and 50% is above the MMD.
- 2. Spray droplets should not exceed 32 microne in size. These percent of the apray droplets (6 droplets out of 200) can exceed 32 informs providing the MMD does not exceed 17 informs and no droplets rosed a maximum of 48 microns. Larger droplets, when trans-

gorted by natural air curren's, impinge more readily on objects in their pathway and will permanently damage automobile-type

- 3. More than one-half of the total spray mass must consist of dropts in the 3 to 18 micron range to achieve adequate dispersal of insecticide over a 300-bot sur
- A minimum of two-thirds, preferably four-fitths of the total apray mass must consist of droplets not exceeding 24 microns in rannys.

OPERATING EQUIPMENT

Each Northermal Aerosal Generator used for dispersel of MALA-THION ULV to control adult mosquitose in ust have minimum capability I producing the droplet spectrum desc. Jed under DROFLET SIZE, he initial determination of droplet size is made after the unit is inalled in a vehicle and prior to its use in mosquito control operations. The unit should be rechected as frequently as necessary to insure that proper droplet size is maintained for each operation.

Determination of droplet size every two months is usually sufficient if the unit has been maintained in good operating condition. Equipment manufacturer's instructions setting to the cleaning and maintained and the conditions are the conditions and the conditions are the conditi the unit must be followed. The unit must be inspected before each Non to correct any leaks or obstructions in the apray system; to detect whether the nozzle, hoses, or other parts are worn and need replacement; to insure that the flow meter is properly calibrated; and to determine that the pressure recommended by the manufacturer is being maintained.

Flow Rate-must be regulated by accurate flow met

- -not greater then 1 gallon per hour at 5 mph,
- 2 gallons per hour at 10 mph, 3 gallons per hour at 15 mph or 4 gallons per hour at 20 mph.

Nozzie Direction-ruer of the vehicle

upward at an angle of 45° or more

-not greater than 20 miles per hour.

enut off epray equipment when vehicle is stopped.

MIPORTANT—Spray droplets of undituted MALATHON ULY s.W per-menently demage automobile point unless all the conditions described and recommended in this leaflet are met.

Directions for Determining the droplet size of **MALATHION ULV nonthermal serosois**

 Preparation of Stides with DRI-FILM
 MALATHION ULV droplet sizes are determined by depositing a sample of the acrosol on a costed glass slide and measuring the

7 5 plots under a high-parassid mismestaph. (In stides must be realed with allianse (firm giace sildes must be excited with allegen (Benned Westle DPS-PLAC) prior to exempting to prevent emposite operat excites are dipped into a Veg selection of DPS-PLAC in tolures, drained and distal at elect 2 for 30 minutes, after which they are dipped in excitent, alle dry and stared in tight offs bear. Country extent must be prepared. Do not store examing exhation because it will date Sides are lightly policied with a exit these below using to any love particles.

Deposition of MALATHION ULY Droplets on Sildus
Oroplets should be extincted under ideal operating conditions to
treare representative compling of droplets in the coresel. A comple
of the MALATHION ULY coresel is deposited on a dide by waving
the stide as reptily as possible perpendicular through the acrostic
cloud at a distance of 25 feet from the point of discharge. The clide
velocity may be increased by attaching it to a 3 or 4 fool atick by
means of a spring paper oilp. At least two sides should be exposed
to insure an adequate comple. Store sides in a tight clide box for
transfer to a location where measurements can be made.
Actid proceeds thest during transit and store in a cool bleco writing. Avoid excessive heat during transit and store in a cool place until mesourements can be me

Although label apecifications require the seroral nazzle to be angled upward at 45° or more during operation, it is more convenient to position the nozzle parallel to the ground for droplet sampling. If this is not possible it will be necessary to be positioned at a suffictent height to obtain a representative agr. pie of the seroest.

3. Determination of MALATHION ULY Drops:: \$100 A microscope with mechanical stage and an eyeplece micrometry are used to determine the size of the individual serceol droplets. Prior to taking measurements, the divisions of the symplece micrometer must be calibrated into microns by means of a stage micrometer. In the example represented in Table 1, droplets were measured at 400 × magnification. At that magnification each divialon of the eyeplace was calibrated to equal 3.5 microns

At least 200 droplets should be measured. Usually this is ear accomplished on one alide. An accurate method is to measure all droplets that pass through the micrometer scale as the silde is moved from one edge to the other by using the mechanical

stage. Measurements should not be taken along the margins of the alide. It is more convenient to measure in terms of the divisions of the eyepiace micrometer and then convert these divisions into microne.

The measurements converted into microns must then be corrected for the amount of spread that occurred on the slide. The spread factor for elicon-coaled slides is 0.5. Therefore, in Table 1 each division of the symplece actually equals 1.75 microns (3.5 microns times the 0.5 spread factor.)

The aprend factor for TEFLON-coated slides is 0.66. The following procedure is given for efficient-coated slides, would be the same for TEFLON-coated slides once the value for each eyeplace division. has been determined.

The measurements are tabulated and processed as in Table 1. The Maximum Diameter is calculated by converting the diameter of the largest droptet measured into microns. In Table 1, the largest droptet measured had a diameter of 19 eyeptocs divisions. Therefore, the Meximum Diameter is 33.3 microns (18 x 1.75 equals 33.3).

To determine the Mass Median Diameter (MMD), the accumulative percentages from the last column in Table 1 are plotted against the eyepiace divisions (D) on semi-logarithmic paper as in Figure 1. Directly scross from the 60 percent point on the line is the median dropiet size in eyepiece divisions which must be converted to microns. In Figure 1,8.2 eyepiece divisions times the conversion factor of 1.75 equals a Mass Median Districts: of 16.1 microns.

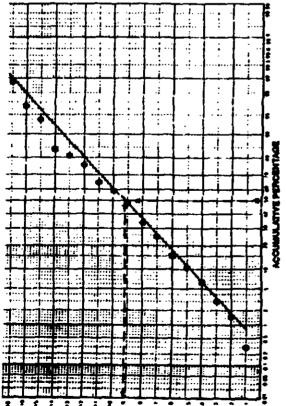
the Court of MAL/THICH LILY Assess Dropts on Microscope States Coated with DIV-FILM

Eyephan Divisions (D)*	Number of Droptets (N)	D×N	% Of Their DxM E(DxM)	Agramula- the Per- certages
1	8	- 5	0.31	0.31
2	10	20	1.22	1.63
•	•	27	1.05	2.16
4	12	48	2.83	6.11
5	15	75	4.58	10.00
•	12	72	4.40	15.00
7	35	175	10.70	25.70
~. • •	14	112	6.85	32.64
•	29	252	15.40	40.04
10	19	190	11.61	50.06
11	14	154	0.41	65.06
12	10	120	7.33	76.30
13		76	4.77	\$1.16
14	4	56	3.42	84.58
15	11	165	10.00	94.67
16	2	32	1.96	96.43
16	2	34	2.20	98.63
19	1	19	1.16	99.96
Total	199	1636		

*Measurements were taken at 400 X magnification. Each symplece division equals 1,75 microns (3.5 microns times the 0.5 apread factor).

Figure 1
Percenings of the total volume of serceol samples below each stated droplet size (from Table 1). The Mass Medium Diameter is determined from the 60 percent point on the line. The Mass Median Diameter (MMD) = 9.2 divisions times 1.75 = 16.1 microns.

11



EVENECE DIVISIONS (1 DIVISION = 1.75 Inchons)

AGRICULTURAL USES

OPERATING ENSTRUCTIONS

MAL/SHION ULY is used undished in operably designed about or ground equipment expected of applying ules tour volumes for cample of the insents indicated. Acres applying ules tour volumes for cample of the insents indicated. Acres applying ules tour volumes for cample of the insents indicated. Acres applying ules are much width of \$60 text. Apply only when weather conditions are incention. Wind and rising air oursets may cause undestrable sersy drift and reduce insect cont

Mist biowers and beom appayers utilizing a controlled air flow to facilitate particle size and appay deposition may be used at a vehicle speed of 4 to 10 moh.

bitet biswere with a pump expebte of producing up to 40 pel and blower epocks of 2000 rpm are existenctory. Use that fen nozzles, 6001 to 6000, place 30° into air blest or rotary stomizers into the air blest that product piece 30" into air prest or rosery anomaters into the er seed that product an efficient apray particle with a mass median diameter of 40 to 100 microns. Swelf widths should not exceed 30 feet. Apply only when weather conditions are favorable. Wind and rising air ownerits may "quee undestrable apray drift and reduce ineed control

Boom aprayers with a filtered rotary air compressor, either PTO or gas engine driven or an air pump capable of producing at least 12 psi are satisfactory. Use air pressure on chemical tanks and an accurate metering valve to assure a calibrated flow of the pasticids. Air should be requisted with relief velve and gauge for proper air and liquid mixture. Pneumatic-type apray nozzies, as suggested by equipment manufactures, should be used for apray particles with mass median diameter of 30 to 100 microns. Apply only when signature conditions are levorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

Repeat applications should be made as necessary unless otherwise

IMPORTANT—Undituted agray droptets of MALATHION ULV will permanently demage automobile paint. If accidental exposure does occur, the vehicle should be weeked immediately.

Consult your state experiment station or state extension service for proper timing of epitors

This product is highly textic to bees exposed to direct treatment or residues -- crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

	Books Books Hod	perAdry	1704-565.
Crep Alasta	Posts Controlled Allalis Colorpiller	<u></u>	end Commercia O day, Apply when larves are small.
	, · · · · · · · · · · · · · · · · · · ·	12.	5 days, Apply when bevoo are large or
	Wostern Willer Striped Armywern		when fellage is dance.
	Allalis Wood Larvas	***	5 days. Apply when day temperatures are ex- pected to exceed 65°F; and when 50-75% of leaves show leading damage.
	Boot Armyworm		0 day. Appy when larvee are small.
		16	5 days. Apply when larvee are large or when tollege is dense.
	Grasshoppers		0 day.
	Do not apply to alfalfs in bloom.	Do not apply to seed a	allalla.
Barby	Gracehoppers		7 days.
	Careal Load Bootle	44	7 days.
Beens (fine, green, enep, Nevy, red kidney, wax, dry, blackeye)	Mexican Beart Beatle Leafhoppers Green Cloverworm Japanese Beatle Lygue Bug	•	1 day.
Blueberries	Blueberry Meggot	10	0 day.
Cherries	Cherry Fruit Fly	12-16	day. Apply by aircraft only. Lies higher rate when foliage is heavy or infestation is severe. Make first application as soon as files appear.
Clover, Pasture and Range Grees, Grees Hay	Blackgrass Bugs Grasshoppers	8-12	0 day. Do not apply to clover in bloom.
Com	Adult Corn Rootworm	4	6 days.
	Gracehoppers	•	au
	Careal Leaf Beatle	44	T
Cotton†	Aphide (Green Peach and Cotton)	14-16	
	Boll Westell	8-12	Early to mideeason.
	! **	12-16	Lale season.
	Grasshoppers		
	Fleehoppers Leefhoppers	4-8	
	Lygus Bugs Including	8-12	Moderate Populations.
	Tamished Plant Bugs	16	Very heavy or migrating populations.
	Thrips	4.0	T

1 For use on cotton:
MALATHION ULV can be used alone as a ULV concentrate apray or diluted in once-refined cottonseed or vegetable oil sufficient to make at least one quart of finished apray per acre.

Crop	Pests Controlled	Fiuld Ounces per Acre	Days to Harvest or Grazing and Comments
Flax	Grasshoppers	•	Apply once per season. Do not apply within 45 days of hervest. Do not graze or feed forage.
Grain Sorghum	Grasshoppers Sorghum Midge	8 8-12	7 days. 7 days. Apply during the bloom stags.
Graedes	Biackgrass Bugs 8-12 0 day. Grasshoppers	O dey.	
	Coroal Last Bootle	44	
Cels	Careal Leaf Bestie 48 7 days.	7 days.	
	Gresehoppere		
Peas (Northwest)	Pea Westill		14 days.
Rice	Grasshoppers		7 days.
Rice-Grain Form (Louisiane, Texas)	Rice Stink Bug	•	7 days. Apply by sircraft only. Apply during early milk and dough stage of growing rice.
Rye	Grasshoppers	8	7 days.
Sefficient	Grasehoppers Lygue Buge	•	3 days of hervesting seeds.
Soybeana	Mexican Bean Beetle Greenoppers Japanese Beetle Green Cloversynn	•	7 days.
Sugar Beets	Grasshoppers Sugar Best Root Magget Adults	•	O day. 7 days. If tops are to be used for % od or feed.
Wheat	Careal Leaf Boolie	44	7 days.
	Grasshoppers		
Nonagricultural Landa (Wastelands, roadeldes)	Best Leefhapper (on wild host plents)	•	0 days
	Blackgrane Bugs Grasshoppers	8-13	0 day.
Beef Cattle-Feed Late and Holding Pens	Adult Files and Mosquitose	949	0 day.

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Ut HEM AbrituUL: UHAL Ubits
Albila, Clover, Penture and Range Grape, Grape and Grace Hay, Grain
Crope, Beans, Nice, Terestore and Nanogricultural Lands (wasteland):
Adult mesquitese and Sice-Apply MALATHION ULV at the rate of 2 to 4
field curses for central of adult files and mesquitese, Repeat applications
per care for central of adult files and mesquitese, Repeat applications
as necessary. On albila, obvice, peature and range grace, grace and
grace hay, may be applied on day of harvest or grazing. Do not apply to
albila and clover in bloom. Do not use on cood albila. On grain crops,
make no application within 7 days of harvest or forage use; on corn,
within 6 days of harvest or forage; on rice within 7 days of harvest; on
beans and ismalone within 1 day of harvest.

FOREST INSECTS

Apply with alteralt equipped for utire low volume application. Make application when air is calm and temperature is below 68°F. Do not allow apray to contact ferms, hickory, and maples as injury may result. Do not apray on eline under extreme heat, drought and disease conditions.

::-Ngo	Post Controlled	per eare	Directions
Douglas Fir True Fir Spruce	Spruce Budwarm	13	Apply when highest percentage of larves are in the Mith Ineles.
Hemlock	Hemlock Looper	•	Apply when suret larven are in the third and fourth instar.
Pines	Europeen Pine Sawity	10	Apply when larvae are in the first or second instar or before they reach 1/2 inch in length.
	Saratoga Spittlebug	10	Apply when 95% of the population has become adult.
Lerch	Lerch Cassbearer	•	Apply in apring as econ as larvae bree's hiber- nation and begin faulting on new follage.

Undituted spray droplets of MALATHON ULV concentrate inescticide will permanently damage automobile paint unless these specific instructions for ground and serial application are followed. See "important Notice" and "Aerial Application" sections at the beginning of this leaflet.

Also for use in accordance with the recommendations and instructions issued by the United States Department of Agriculture for quarantine programs. To be used only by or under the direction of Federal/State personnel for quarantine treatments.

NOTICE

Platte warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all rists inherently associated with the use of the product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Piatte. In no case shall Platte be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Platte makes no warranties of Merchantability or Siness for a particular purpose nor any other express or implied warranty except as stated above.

FORMULATED FOR
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