

## CARBARYL 4L INSECTICIDE EPA RE 10, 34704-447

## GENERAL INFORMATION

This product is a suspension of a microfine carbaryl insecticide in an aqueous medium. It is dispersable in water and may be applied by ground or air.

# PREPARATION OF SPRAY

Before using, agitate, stir or recirculate product in container to assure product uniformity. Be certain mix tanks and entire spray system are clean and free from foreign matter. Flush with clean water. Fill tank ½ to ¾ with desired amount of water. Begin agitating tank and slowly add the required amount of this product. Add the remaining volume of water. Continually agitate spray during mixing and application to assure a uniform suspension. Do not store spray mix for prolonged periods. Prepare only as much spray mix as can be applied on the day of mixing.

## PRODUCT COMPATIBILITY

When diluted with an equal volume of water, this product may be tank mixed with a wide range of pesticides. If compatibility with another product and the resulting crop response are unknown, the combination should be tested on a small scale. Do not mix this product with diesel fuel, kerosene, fuel oif or aromatic solvents.

When tank mixing, first add this product to at least an equal volume of water, mix thoroughly, and then add combination products. Do not apply this product in a tank mix unless previous experience indicates that the mixture is effective and will not result in application problems, excessive residues, or plant injury. Observe all precautions and limitations on labeling of all products used in mixtures.

This product is unstable under highly alkaline,conditions and is not effective if used with alkaline materials such as Bordeaux, lime-sulfur and casein-lime spreaders.

## APPLICATION

For all applications, use sufficient spray volume to obtain thorough and uniform coverage. Calibrate spray equipment to deliver the required volume. Use 50 mesh strainers in spray system and 25 mesh slotted strainers behind nozzles.

Apply when insects or their damage appear. Repeat application at 7 to 14 day intervals or as necessary to maintain control, unless otherwise specified below. If a dosage range is given, the lower rate should be used on young plants and early instars and the higher rate on mature plants, advanced instars and adults. Thorough and uniform spray coverage is essential for effective control.

Regional differences have been noted in the susceptibility of certain strains of fall armyworm to carbaryl insecticides. If local experience indicates inadequate control, use an alternative pesticide.

This product will not control spider mites. If spider mites are a problem, use a miticide registered for their control.

To avoid injury to tender foliage, do not apply to wet foliage or when rain or high humidity is expected during the next two days.

Avoid applications just before rainfall as poor insect control may result. Do not use on Boston ivy, Virginia creeper and maidenhair fem as injury will result. During early season, it may also injure Virginia and sand pines

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Observe all label instructions on apple thinning and on combinations with certain herbicides on rice and soyDeans.

CHEMIGATION: Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

Do not use reclaimed inigation water from crops treated with carbaryl on upland crops for which carbaryl tolerances are not established.

## FORAGE, FIELD AND VEGETABLE CROPS

Use at least 1 gallon of finished spray per acre for aerial application and at least 3 gallons of finished spray per acre for concentrate ground application. To prepare small volumes of spray, use 1 tablespoonful (½ fluid ounce) of this product per gallon of water where rates of 1 quart per acre or 1 quart per 100 galtons are indicated in the tables below. This product may be applied up to and including the day of harvest or grazing of forage crops. Application may be made without removing livestock from area being treated.

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		015	PRE-			(	QTS.OF	PRE-	
10P	INSECT	THIS PRODUCT /ACRE	HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	CROP	INSECT	THIS PRODUCT	HARVEST	Sufference and company
Forage, Field		141011/2	See	Use 12 to 1 quart for	Carrots, Parsnips,	INJEGI	/ACRE 1/2 to 1	(DAYS) 0	SPECIFIC DIRECTIONS DO NOT USE ON CELERY
d Vegetable opsin this ctic			specific Field or Vegetable	nymphs on small plants or sparse vegetation in wasteland, rangeland, dilch banks and	Parsley, Celery			(carrots) 3 (parsnips)	IN CALIFORNIA. Treat on a 5 to 7 day schedule.
			Crop	borders. Use 1 to 1½ quarts for adult grasshoppers or		Aster leathopper, Lygusbugs, Spittlebugs	1 to 11/2	(parsnaps) 14 (celery and	
talta, ciovers	Blister Beetles. Mexican bean	¥ to 1	(clowers)	applications to dense, vegetation, Observe plant response precautions,		Armyworm, Corn earworm, Fall armyworm, Stink	1 to 2	parsky)	
	Atalfa caterpillar. Bean leaf beetle.	1	3 (attalta)			bugs, Tarnished plantbug			
	Cucumber beetles, Green cloverworm,		lananat.		Corn (lield, sweet, pop)	Armyworm, Chinch   buos, Corn	1 to 2	0	OBSERVE BEE CAUTION: For insects attacking suits
	Japanese beetle,					earworm, Corn rootwormadults,			and ears apply at 1 to 6 day
	Three comered		1			European corn borer, Fall			silks appear and continuing until silks begin to dry, for
	afatta hooper, Thrips, Vetvetbean					armyworm, Fiea beetles, Japanese			tarvae in whort and foliage
	caterpillar Alfalfa weevil	1 to 1 1/2	a	For altatfa weevil larvae, if		beetle, Sap			feeders, apply as necessary.
	Ervae, Annywonni,	110 172	(ciovers)	pretreatment damage is		beetles, Southwestern corn			For Chinch bi, use high gallorageground
	Cloverhead weevil, Corn		3 (alfaifa)	extensive, cut attalta and treat the stubble. Use higher		borer, Leafboppers			application directed at the base of plants.
	earworm, Egyptian alfalia weevid			rate in areas east of the Rocky Mountains. On dense					Optimum timing and good coverage are essential for
	tarvae, Essex skipper, European			prowth use 25 to 40 gallons per acre with ground		Western bean	2		effective control. Treat when intestation
	alfalfa beetle, Fali armyworm, Lygus			equipment to ensure adequate coverage.		cutwom	-		averages 15% and at 90 to 100% tasselemergence.
	bugs, Stink bugs, Webworms,			<b></b>					Treatment after 100% slik
	Yellowstriped					2	6 h- 61/		emergence will reduce effectiveness.
sparagus	armyworm Asparagus beetle	1 to 2	1			Cutworms	21061/2		Apply in a 12 inch band, using 6 fluid ounces per
-	Apachecicada,	2104	Post	Treat terms or brush growth. Do not treat more than once					1000 linear tect of row, in at least 15 gallons of water per
	Asparagus beetie		harvest application	every 3 days.	•				acre, For broadcast application use 6.5 quarts in
eans (including	Blister beetles,	5/10 1	only	Observe plant response	-				at least 20 gallons (ground) or 5 gallons (air) of water per
ackeyed beas	Mexican bean			precautions.				<u> </u>	acre.
r southern peas,	Atlatta caterpillar,	1	0		Cotton	Cotton fleahopper, Cotton leafworm,		1	
ry beans, green eans, iuma beans, i	Sean leaf beetle, Cucumber beetles,		(except (assowca)			Fleabeetles. Striped blister			
avy beans and nap beans)	Fiea beeties, Green cioverworth,		3 (cowpeas)			beetle, Thrips	1/2 to 1	7.	Early season insect control. Treat on a 5 to 7 day
	Japanese beetle, Leathoppers,					Boltworms, Cotton leafoertorator, Fall	102		schedule for as long as control is necessary.
	Three cornered	-	1			armyworm, Leatroliers,			Mid and late season insect control. May be
	Thrips, Velvetbean		1			Leathoopers, Tamished plant			applied after bolls open.
	Western bean	1 (02	0	Observe plant response		bug, Yellowstriped armyworm (cotton	Í		l l
	CURMORTI		(except cowpeas)	precautions.		CUTWORTT}	1 100	4	For light to moderate
			3 (cowpeas)			Eygus bugs	1 to 2	ĺ	For light to moderate populations in Western
	Armyworm, Com earworm,	1 to 1%				Diel, batting ==	47/4-	. I	inigated cotton.
	Cuevonns, European.com		ļ			Pinkbotworm	1½to 2½	7	Aphid populations will be suppressed by repeated
	borer, Fall armyworm, Stink		1						applications of this insecticide.
	bugs, Tamished					Stinkbugs,	2	1	
	plant bug, Webworms	<u> </u>	4			Saltmarsh caterpillar			
	Cowpea curculio Com earworm.	2	-	CALIFORNIA ONLY	Cucumber,	Pickleworm,	1/2 10 1		Observe plant response precautions,
	Limabean pod				Melans, Pumpkins, Squash	Melonworm Cucumber beetles.	1	0	Avoid excessive
	borer, Lygus bugs Stinkbugs	ļ				Fleabeetles, Leathoppers,	1		applications.
abbage, Broccoli, Irussels Sprouts.	Flea beetles, Harlequin bug	1/2 to 1		l	Dandelion, Endive	Squash bugs Flea beetles,	1/2 to 1	3	Observe plant response
Cauliflower, Kohirabi	Armyworm, Corn earworm, Fail	1 to 2	3		(Escarole),	Harlequin bug, Leathoppers, Aster		(head	procautions. Treat on a 5 to 7 day
	2013/WORTE,		1		Lettuce, Salsily	iesthoppers. Aster iesthopper, Lygus bugs, Spittlebugs		& salsity roots)	schedule after heads
<b></b>	imported cabbageworm					Annyworm, Com	1102	14	begin to form.
Chinese cabbage. Collards, Hangver	Fica beetles, Harlequin bugs,	1½ to 1	3 (Horse-			earworm, Fail armyworm,		(dandelion, endive	
alad, Iorseradish, Kale,	Leathoppers		radish, radishes,			imported cabbageworm,	1	(escarole) leat	
Austard greens. Radishes.	Asterleathopper	110195	nutabagas and			Stinkbugs. Tamished plant		salsity	1
Rutabagas,	Armyworm, Corn earworm, Fall	1 to 2	turnip	}		bug		tops)	
Turneps	amyworm, Imported	1	rcots}		Forage Grasses, Pasture	Annyworm, Black grassbugs,	1 to 11/2	0	To control thrics in grasses grown for seed use high
	cabbageworm, Stinkbugs	1			· <b>·</b>	Chinch bugs, Essex skipper, Fall		1	spray pressure to improve penetration into boot.
	Tamished plant	1102	14	1		armyworm, Range caterpiltars, Range			1
	000		(Chinese cabbage,			crane fly, Striped grassiooper,			ł
			Collards. Hanover			Thrips, Walte	1	1	
			salad. Kale,			grubs (green June beetie)	<u> </u>		
			mustard greens,	1	Garden beet, Spinach, Swiss	Fiea beetles, Harlequin bug,	½ to 1	3 (garden	Treat on a 5 to 7 day schedule.
	1	1	and		chard	Leamoppers	1	beet roots)	1

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	Alazar	PRODUCT	INTERVAL				THIS PRODUCT	HARVEST	
CROP Garden beet	INSECT Annyworm, Com	/ACRE 1102	(DAYS) 14	SPECIFIC DIRECTIONS	CROP Soybeans cont d.	INSECT Alfalfa caterpitar,	ACRE	(CAYS)	SPECZERC DIREC
control	earworm, Fail armyworm, Stink		(garden beettops,			Bean leaf beetle, Cocumber beetles,	{	ł	
	buos, Tamished		spirach,			Greed Cloverworm,			[
	plant bug		Swiss chard)			Japanese beetle. Leathoppers,			ţ
Okra	Comearworm,	1 to 2	0	Treat on 25 to 7 day		Three cornered alfalts hopper,		]	]
Peanuts	Stinkbugs Blisterbeeties.	5 to 1		Observe plant response		Thrips, Velvetoean			
	Mexican bean			precautions.		Caterpillar Armyworm,	110114	1 3	20 NOT /
	Atalta caterpillar,	+	1 0			Cutworms, Fall armyworm, Stink			PRODUCT AN
	Sean leat beetle.	]	_			bugs.			HERE-CIDES T
•	Cucumper beetles, Green cloverworm,					Webworths	<u> </u>		LINSJEY MAY F
	Japanese beetie, Leathoopers,	1	l			Painted tady, (Thistie caterpolar)	2 to 25±		tower stress for is moderate popu
	Rednecked peanut worm, Three					Saltmarsh			smaller instar
	cornered attaita					czterpillar, Yellowstriped		1	populations and
	hopper, Velvetbean Caterpillar				Sugarbeets	Armyworm, Beet	1 to 1 1/2		10521
	Armyworm, Com	11012	1		009210000	leat beetle, Fall	1.0.02		
	earworm, Fall arrayworm, Stink	{				armyworm, Fiea beetes,			1
	DUOS, Webworms					Leafhoppers, Webworms			
	Whitekinged beetle adutts.	1	}			Cutwomis	11/2	-   i4	
eas	Catworms	2	<u> </u>	<u> </u>	Sunflower	Cutworms	11/1	1	DONCTUSE
eas	Colorado potato bestis,	1	3			Armyworm, Fall	11/2102		CALFORNIA
	Leathoppers	<u> </u>	1	Į		amwom		4 -	ļ
	Armyworm Alfalfa caterpillar,	110 114				Stamwervil, Suntiowerbeetie	1 to 2		
	Cutworms, Pea	1 171	1	1	Sweet potato	Com earworm, Cucymber beeties,	1102	1	Apply as a folia necost, DO N
	leatweevil, Pea weevil, Yelkwstroed	1	ł		-	Fiea boetles,	1		CALIFORNIA
	200,000		<u> </u>	· · · · · · · · · · · · · · · · · · ·		Sweet potato horaworra, Tortoise			Ì
otato, Torrato, ogplant, Pepper	Colorado potato beetic, Flea	54 to 1	٥			beetles Yellowstriped		4	1
	beetles, Leathoppers					amywom	2	a	
	Евтореал сога	1102	0			Sweet potato	1102	]	FOLLAR APPLI
	borer, Fall	i.				WOOVN	,,,,,,		Ful coverage
	bugs, Stinkbugs, Tamished plant							i i	young plants
	bug, Tomaio truit	1	1		Tobacco	Tobacco tiea	<u></u>	1 7	NPLANT 92
	worm, Tornato hornworm, Tornato	1			1008000	beetie	2Tos/gai	-	Topresentplan
	pinworm		1				cr1 q/50 çal and		ZVOC SICESSM ZODICECOS,
Rice	Armyworm, Chinch	1 to 1141	14	CAUTION, May kul stromp	• -		apply 6 gay 100		
	boos, Fall anny worm, Stink			and crabs. Do not use in areas where these are			sc, varus	·	1
	bugs			important resources. Do not		Green June beetle grubs	201/102 Znolec		Apply anty to a service have up
			ł	use on rice fields in which crayfisit and/or catish					50 to 100 cat
				farming are included in the cultural practice.		Budworms, Fall	1 102		SOURT VARUS.
				DO NOT APPLY PROPANIL		amywom, Flea		-	Use over rate
		1	1	HERBICIDES WITHIN 15		beetles. Hornworms,			03673 (00 10 10 1058 at east 10
				DAYS BEFORE OR AFTER APPLICATION OF THIS		Japanese beetle. June beetle,	1		5 prepared sora
	ŧ		1	PRODUCT OR PLANT INJURY WILL RESULT.		Sucidly		1	WORTS ARE SITE
	1			MISSISSIPPIDELTA & TEXAS					are necessary.
	Annyworm,	2	14	CALIFORNIA ONLY, For		1			00500000000000000000000000000000000000
	Leathoopers, Tadpole shrang	1	1	optimumtaopole shrimo control apply to water when	Wheat	Cereal leaf beetle	1	0	DO NOT USE
		.l	<u> </u>	pest first appears.	-	1	Į	21 21	Donotimatern
Sorghums (milo grain sorghum,	Annyworms, Chinch bugs, Cam	1:02	21 (grain)	Direct spray into forming heads for optimum insect				grain)	applications heads emerge
Sweet Soronum	earworm, Fali armyworm, Stink		(forage)	Control. Treat for sorghum midge		Annyworm, Fall	1 101%	-	Application against eggs
and hybrids)	buos, Webworns	<u> </u>	(iorage)	when 25 to 30% of heads	- <u></u>	amyworm			2015.
	Sorphummidge, Southwestern com	11/2	7	have emerged from boot and are in bloom. Repeat					
	borer		ľ	application 3 to 5 days later if adults are still active. A third		TREE FR			ROPS
	Cutworms	2	21 (grains)	application may be	For dilute sp	rays apply the s	pecified do	sage per 1	00 galions o
	1	<b>[</b>	0	necessary in late planted sorghum or it midge are	concentrate	and aerial spray mixture to apph	s increase	the conce	entration of a
		1	(forage)	abundant. For chinch bugs use high gallonage ground	dilute spray	. The optimum	spray gall	onaçe will	depend or
	1	1	1	application directed at the	density and	stage of growth 0 gallons for di	h. Tvoicaí	soray gall	onades der
Soybeans	Bean leaf beetie.	1 22	0	DONOTAPPLYA	sprays and	10-25 gallons for di	or senal s	sprays. Do	- NOT EXCREM
• · · -	Cucumber peeties.	1 ″		COMBINATION OF THIS		racre per applica		, ,	
	Green cloverworm, Mexican bean	1	1	PRODUCTAND 2,4-08 HERBICIDES TO					
	peetle, Velvesbean caterpilar	1	l	SOYBEANS AS CROP INJURY MAY RESULT. Use					
		1	1	the lower rates for light to					
				moderate populations and smaller instars, Use the					
	Contenents								
	Conteanworm	<u>½ to 34</u>	1 to 11/2	higher rates for heavy populations and across					
	Com earworm Bäster beetles, Grape colaspis, Mexican bean	<u>½ to 34</u> ½ to 1	0	higher rates for heavy populations and targer instans.					

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		OTS. OF						070.05	POL	<u>.</u>
CROP APPLES ONLY For Fruit Thion	Y ling	THIS PRODUCT /ACRE 1 to 2	Apply 1 to	thin varietie	r acre. Use higher rates on as and lower rates on easy	<u>CROP</u> Pistachios	INSECT Navel orangeworm	QTS. OF THIS PRODUCT /ACRE ½to 2	ARVEST HARVEST INTERVAL (DAYS) 14	SPECIFIC DIRECTIONS Apply dikite vokumes of 150 to 300 gailons of mbed spray per acre for full coverage at onset of hull
			9mm frui ensure tr runoft, Di canocy a of tree c occur. crop, pr influence to avok applicatic Consult v other exp	L size. Use horough con- rect spray v ad reduce s anopy or p free age, v uning, bloc truit thianin j possible in when ter with your Co	seen 90% petal fall and up to sufficient water volume to rerage. Avoid spraying to olume to upper 2/3 of free pray coverage to lower 1/3 possible over-thinning may variety, nutrition, previous m, and degree of set gresuits, Exercise caution over thinning, Avoid nperatures exceed 85° F. unty Extension Service or ce on the proper use of this	Citrus Fruits (such as grapefruit, lemons, kines, oranges, tangelos, tangerines, citrus citron, kumquats and hybrids)	Avocado learmiller, California orangedog, Citrus curworm, Citrus root weexil, Fruitme learnoler, Orange tortroc, Westiam hissock moth, Westian hissock moth, Westian hissock sociale, California red	34101	5	split. Do not apply more than 20 guarts of this product per acre per application. Do not apply less than 10 gailons of duite spray mixture per mature free. May be mixed with petroleum oils commonly used on clarus.
		<u>-</u>	product.			Filtert	scale, Citricola scale, Citrus snow scale, Yelkow scale Filbert 2phid, Filbert leatroller,	1	0	Apply when leafroller eggs are hatching. Repeat on first
_			OTS. OF THIS PRODUCT	PRE- HARVEST			Filbertworm		 	appearance of adult filbert moths and again 3 to 4 weeks later.
<u>CROP</u> Aimond	San Fruit	CT h twig borer, Jose Scale, tree leatroller	1 1	(DAYS) 28 28	SPECIFIC DIRECTIONS Apply in popcarri or petal fail stages and again when the May brood of the peach wig borer bogins to batch or thereafter as needed. Time early and mid season applications to correspond	Olives	Olivescale	34 to 1	0	For optimum scale comminant and 11/2 gallons of summer oil and apply mixture when crawiers are present. Do not exceed 2 applications per year. Do not apply more than 15 guarts of this product per acre per applications.
		a pohid A la	1/10.1		applicators in cornespond to moth high t peaks. Make a late season application at initiation of hull split or up to 10% hull split. Do not apply more than 5 guarts per acre.	Peaches Apricot, Nectarines	Apple pandemis, Coding moth, Cucumber beetles, European earwig, Fruittree leatroiler, Japanese beetle,	1	1 (peaches) 3 (apricots & nectarines)	Do not apply more than 6 quarts of this product per acre per application to apricots. For optimum scale control apply when crawlers are
Pears S	rusti suck Calif (pea Cod Eyes Fruit Leca	e aphid, Apple mite, Apple er, Bagwornts, comla pearslug rsawity), ing moth, potted bud J, Green worm, nium scales	34101		WEST OF ROCKY MOUNTAINS To avoid undesired apple thlanning, deby use until at least 30 days after full bloom. For psylia control apply when eggs hatch or young nymphs are present.		June beetles, Lesser peaktres, Lesser peaktres, borer, Olive scale, Orange tortroc, Oriental fruit moth, Peach Twig borer, Perfodical cicada, Piumourculio, Redbanded			present. Spray linds and trunk theroughy, weeky during meth flight.
	Cyci Oral Oysi Peal	erappleworth, is bugs, nge tortrix, iershell scale, r leaf blister		34to 1			leafroller, San Jose scale, Tarnished plantbug, Tussock moths, Variegated leafroller.			,
	Pear Jose Tent leafs	:, Pearpsyla, rustmite, San scale, iform niners, Woolly eaphid				Pecans	Blackmargined aphid, Fall webworm, Hickory shuckworm, Lesser webworm, Desser webworm,	1 to 21⁄2	0	Do not apply more than 7.2 quarts of this product per acre per application.
	App app codi whit	le meatybug, le aphid, ing moth, e apple sopper	-74		EAST OF ROCKY MOUNTAINS To avoid undesired apple minning, delay use until at least 30 days after full boorn. For optimum scale control apply when crawlers are present.		Pecan leaf phylioxera, Pecan nut casebearer, Pecan spattebug, Pecan weevil, Twig girdler, Wahut			
	App Bag East Cate Euro Saw	le maggot, le rust mite, worms, lem tent rpillar, ppean apple fly, Eyespotted	1	T		Plums, Primes, Cherries	Caterpillar Black cherry aphid, Brown soft scale, Cherry fruktworm, Cherry maggot, European earwig, Eueropean burt	1	1	Do not apply more than 6 quarts of this product per acre per application. For optimum scale control apply when crawlers are present.
	bud scat truit Jap Tan	moth, Forbes e, Fruittree roller, Green worm, anese beetle, nished plant , Tentitorm					Eyesponted bud moth, Forbes scale, Fruittree leafrolier, Green trukworm, Japanese beetle, Lecanium scales,			For lesser peachtree borer control, spray limbs and tree trunks thoroughly, weekly during moth flight.
	ieat Leo Leo Per Per	niners, anium scales ser appleworm, tershell scale, ir psylla, Pear blister mite, r rust mite,	 	1	1	• ) <del>•</del>	Lesser peachtree borer, Mealy plum aphid, Oystersheil scale, Peach Twig borer, Plum carculio, Prune leathopper, Redbanded			
	Per Piu Rec leat app Jos app	iodical cicada, mcurculio, Ibanded Ibler, Rosy Ile aphid, San e Scale, Woolly Ie aphid,					Cation Categorian Cate		- 1	
Chestnuts	fires	owneaded worm istnut weevil	2103	1	DO NOT USE IN CALIFORNIA, Maked applications at	Wahut	torbib, Tussock moth Calico scale, European truit		0	Apply 1000 gallons of dilute spray per acre for mature
					Make 4 applications at weekly intervals beginning in tate July for adult chestnet weevilcontrol Last		European truit lecanium, Filbertworm, Fruitbree leafroller,			trees.

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<u>CR</u> 0P	LINSECT	OTS. O THIS PRODUCT	PRE- HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Wahutcontd.	Codiling math			For codling moth apply when average cross sectional diameters of developing nuts are by to 34 inch, Repeat during middle or late June as needed.
	European earwng	2	0	Spray tree trunks to point of run-

## SMALL FRUIT CROPS

SMALL FRUIT CRUFS Recommended dosages refer to quarts of this product per acre. The optimum spray gallonage will depend on plant size, density and stage of growth. Typical spray gallonages per acre range from 100-300 gallons for dilute sprays, 30-100 gallons for concentrate sprays and 10-25 gallons for aerial sprays. Do not exceed maximum tabel rate per acre per application.

CROP	INSECT	OTS.OF This Product /Acre	PRE- HARVEST INTERVAL (DAYS)	
Stackbernes, Raspbernes, Dewbernes, (including boysenbernes and loganbernes)	European raspbeny aprid. Japanese beete, Leathoppers, Leatrollers, Rose chafer, Snowy tree oricket	1 to 2	7	<u></u>
	Omnivorous leatroller, Raspoerty sawily	2		CALIFORNIA ONLY
Bluebernes	Blueberry maggot, Cherry trutworm, Cranberry frutworm, European fruit ecanum, Japanese beetle	11/2	a	Apply 3 weeks before harvestand repeat as nocessary.
Cranbernes	Cutworms, Cranberry Areworms, Cranberry futworm, Japanese beetle, Leathoppers, Rose chater	1½103	1	Apply in late bloom and as needed at 7 to 10 day intervals. CAUTION: May kill shrimp and crabs. Do not use in areas where these are important resources.
Grapes	European truit lecanium, Grape leatiolder, Grape leatiolder, Grape leatiologer, Western grapeleal skeletonizer, Western yellowstroed antiworm	1 to 2	C	Apply before first brood leafolder tarvae emerge fromrolls,
	Cutworms, Ecnt spotted forester, Grape berry moth, Japanese berte, June beetes, Orange tormo, Oranyeorous Veatroiler, Rechanded katroiler, Sattransn, Caterpular	2	0	
Strawbernes	Fiea beetles, Meadow spittebug, Ornakorous leatber (strawberry tutworm), Strawberry leatroller, Strawberry webvil	1102	1	Carbaryi may injure Early Dawn and Sunrise varieties on the Delmarva Peninsula,

## POULTRY INSECT CONTROL

POULTRY	INSECT	SPECIFIC DIRECTIONS
Chickens, Ducks, Geese, Gametwics, Procons, and Turkeys	i Chicken mite. Fless, Lice. Northern Fowl Mae	For use as a direct mist spray on birds by: 1. Misting with Electric Fog Machine: Mix 10 ounces of this product in 1 gallon of spray. Use 11/2 gallons per 1000 hens in cages, on after or on statted floor. Repeat in 4 weeks it necessary, OR 2. Spraying with knapsack or cylinder type com- pressed arr sprayers: Mix 6 ounces of this product in 5 gallons of spray. Use 1 gallon per 100 hens in cages, on littler or on statted floor. Repeat in 4 weeks if necessary. Direct mist spraying for chicken mite and fleas is a supplement to spraying roosts and buildings for con- trol of these pests. Do not apply to goutiny and game birds with 7 days of staughter.
Roosts and Buildings	Bedbugs, Chicken mite, Fleas, Fowl tick, Lesser metaworms, Loe Northern towl mite	Spray roosts and buildings with conventional power spray or knapsack equipment. For chicken mire, feas and bedbugs, use 4 quarts of this product per 100 gallons of water, For lesser mealworms, use 50 quarts per 100 gallons. Spray 1 to 2 gallons per 1000 square leet of wall, bedding, litter or roost surface. Force spray mito cracks. Repeat as needed. Avoid spraying nests, edgs and feeding and watering troughs. Venti- late while spraying. On not treat premises within 7 days of slaughter.

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AND ORNAMENTALS For dilute-spray ground illications to trees (including shade trees, shelter belts, forests, plantations, parks and recreation areas), ornamen-tals, woody plants and shrubs, apply in the specified dosage per 100 gallons of water. For concentrate-spray ground applications, apply the specified dosage per acre in sufficient spray volume to provide thorough coverage. For aerial applications to forest trees (including shade trees, shelter belts, plantations, parks and recreational areas) and commer-cially grown ornamentals, woody plants and shrubs, apply the specified dosage per acre in sufficient spray volume to provide thorough coverage. Avoid direct application to lakes, streams and ponds.

# AMOUNT OF THIS PRODUCT TO PREPARE

INSECT	3 GALLONS	100 GALLONS	SPECIFIC DIRECTIONS
Ants. Apple aphid, Arrayworm, Azalea leatminer, Bagworms, Birch leatminer, Bister beetle, Boxelder bug, Boxwood leatminer, Brown tail moth, Chiqgers, Cooley spruce pail aphid, Chiqgers, Cooley spruce pail aphid, Chiqgers, Cooley spruce pail aphid, Chingers, Cooley spruce pail aphid, Chingers, Cooley spruce pail aphid, Chingers, Cooley spruce pail aphid, Em spaaworm, Eriophyd mites, European pine shoot moth, Fall armyworm, Felo bertise, Fuller rose beetle, Gall midges, Gail wasps, Green strijed mableworm, Grasshoppers, Gypsy moth, Hackberry nipelpail maker, Holly bud moth, Holly Leatminer, Jackgine budworm, Japanes beetles, Locust borers, Maple kalcutter, Mealybugs, Mimosa wetworm, Nantucket pue tip moth, Oak leatminers, Oak leat skeletonizer, Oakworm, Complex, Oleander caterpiltar, Olive ash borer, Orange- striped oakworm, Drange tortrix, Periodical cicada, Pine sawthy, Pine spittebug, Pitch pine tip moth, Plant bugs, Poirset ita hormworm, Paylits, Spruce bugmorm, Saviles (exposed), Scale insects, Strobugs, Spru elm archilar, Borter, Brander caterpilar, Olive ash borer, Orange- striped oakworm, Drange tortrix, Periodical cicada, Pine sawthy, Pine spittebug, Pitch pine tip moth, Plant bugs, Poirster hormworm, Paylits, Spruce bugworm, Spruce needleminer, Subtrobida pine tip moth, Plant bugs, Poirster hormworm, Paylits, Spru et anzenjilar, Spruce needleminer, Subtrobida pine tip moth, Plant bugs, Poirster, Mayle Mant caterpilar, Spru et up worm, Spruce needleminer, Webworms, Western hermicox looper, Western spruce budworm, Willow Keat beettes, Yellow popar weerki	1 02.	۱ or.	Use sufficient spray volume to obtain thorough coverage of upper and lower leaf surfaces. To control scale insects, treat trunks, sterns, and twips in addition to plant folkape. For optimum worm control, treat when in early instars. Addition of a stickor may improve residual control. Observe plant response precautions. Applications for control of Maple leafourter on sugar maple shouts be made when farvae are in 2nd instar after mining, and as cases are being formed.
Em bark beerle, Ips engraver beetkes, Mountain pine beerle, Roundheaded pine beetle, Western pine beetle	18 02.	4 gais,	Effective as a preventive treatment only. Repeat annually as required to prevent beetle attacks. Apply 1 gallon of spray per 50 square feet of bark in May to early July or prior to beetle attack. Treatment trunks from ground level up untiltrunk diameter is less than 5 inches. Applications for control of Elm bark beetle should consist of 20-30 gallons of spray to 50 loot height of leim three for thorough coverage of all bark surfaces on trunk, limbs and lwgs.

## LAWNS AND RECREATIONAL AREAS

SITE	INSECT	SPECIFIC DIRECTIONS
. Turf grasses	Ants, Armyworm, Biuegrass billioug, Centipedes, Chiogers, Chilach bugs, Cutworms, Earwig, Essexskipper, European chater, European crane fuy, Fall armyworm, Piery skipper, Fleas, Grasshippers, June Beetles, Leathoppers, Luceme moth, Millipodes, Mosquitoes, Sod webworms, Clawn moths), Sowbugs, Spittebugs, Springtalis, Ticks, White grubs, Yellowstnped armyworm	Use 6 fl. oz. ot this product per 1000 square teet (6 quarts per appication in sufficient spray volume for thronoughcowage and burf thatch penetration. Repeat tractiment as necessary. For Armyworm Outworm, Fall Armyworm and Sod Webworm Control: Do not inrigate meated areas following insecticide application. Bor Chinot Bug Control: Treat enforeturi grass area rather than just damaged areas. Inrigation of turf grass area before insecticide application will aid in penetration into turf grass. For White Gub Control: Application should be made when ortubs are teeding near the soli surface. usually during late March through May, or July to early September or as recommended by local Aprocutural Extension Service Agents. Water or imgate turf grasses thoroughy soon after treatment.
	Imported Fire Ants	(Refer to OUTDOORS section of PEST CONTROL IN AND AROUND BUILDINGS)

MOSQUITO AMOUNT OF THIS PR JC1 TO PREPARE 10 GALLONS 100 GALLONS SITE SPECIFIC DIRECTIONS Pastures, Rangeland, Yards, Parks, 10 3 oz. 1410 t of. ADULT MOSOUTTIS CAUTIONI Maykikishimp and crabs. Do not use in areas where these are important resources, OBSERVE BEE CAUTION Веспеатновал Areas, Logging Camps, Kilitary Posts and Treat shrubbery and areas where adult mosquitoes congregate. Treat when adult mosquitoes are ac-Adjacent Forested Lands or Wastelands tive in early morning or late evening, Repeat at 7 to 10 day intervals. Mix 4 to % puart of this product per 100 gallons in mist blower, movies to 1 quart of this product in sufficient volume of water per acre in aerial sprays; mix 1 quart of this product in sufficient volume of water per acre in low pressure ground sprayers. 25 ats. 214 ats For residual control in subtropical regions apply 4 gallons of prepared spray per 2000 square feet of surface areas. Repeat in 3 to 6 months or when necessary

## PEST CONTROL IN AND AROUND BUILDINGS

## General information

NOTE: Staining may occur on certain surfaces such as stucco, brick, cinder block and wood. Therefore, applications of this product to surfaces where a noticeable residue or discoloration is objectionable should be avoided. Do not apply to carpets or discoloration is objectionable should be avoided. Do not apply to carpets or draperies as staining may occur. Care should also be exercised to avoid spotting of wallpaper and fabrics. Do not use this product in commercial food areas of food handling establishments, restaurants or other places where food is prepared or processed.

Do not use in serving areas while food is exposed.

### Indoors

ANTS/CRICKETS/FIREBRATS/SILVERFISH: Mix 3 oz. this product per gallon of water and apply as fine, low pressure (20 psi) spot spray or as crack and crevice application to areas where these pests hide, such as baseboards. storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves, dishwashers, hot water heaters, the underside of shelves, drawers and similar areas. For ants, apply to ant the underside of shelves, drawers and similar areas. For ants, apply to ant traits, around doors and windows and other places where ants enter premises. BEES AND WASPS: Mix 3 oz. this product per gallon of water and thoroughly spray nest and entrance and surrounding areas where insects alight. It is generally advisable to spray the nests in the evening when the insects are tess active and have returned to the nest. For best results, check nest carefully one or two days after spraying to ensure complete kill, then remove and destroy nest to prevent emergence of newly hatched insects. BROWN DOG TICKS AND FLEAS: Mix 3 oz. this product per gallon of water and therein by a prevent program.

and thoroughly spray infested areas such as pet beds and resting quarters, nearby cracks and crevices, between and under cushions and upholstered furniture, along and behind baseboards, window and door frames and ciner

areas where these pests may be present. CARPENTER ANTS: Mix 3 oz. this product per gallon of water and apply to ant trails, around doors and windows and other places where ants enter premises. Where possible, apply this product directly to ant nest or infested

CENTIPEDES/EARWIGS/MILLIPEDES/SCORPIONS: Mix 3 oz. this product per gallon of water and apply around water pipes, doors and windows, and other places where these pests may enter premises. Spray baseboards. storage areas, garages, carports, basements and other areas, where these

pests are found. COCKROACHES: Efficacy vanes with species sensitivity. This product is COCKROACHES: Efficacy vanes with species sensitivity. This product is generally not highly effective in controlling German cockroaches. However, the following may be controlled with the rates as stated. Amencan roach. Australian roach, Brown roach, Smoky brown roach, and others. Mix 3 oz. this product per gallon of water and apply as a fine, low pressure (20 psi) spot spray or as crack and cravice application to areas where these pests hide, such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stores, distwashers, hot water heaters, the underside of shelves, drawers and similar areas. SPIDERS: Mix 3 oz. this product per gallon of water and apply to infested baseboards, window and door frames, comers, pipes, storage areas, attics and under eaves. Make spot applications to other areas which these pests may crawl.

may crawl.

Outdoors PERIMETER TREATMENT: Residual spray for control of ants, bees and wasps, brown dog ticks, carpenter ants, centipedes, cockroaches, cnckets. wasbs, blown dog licks, cangenter ans, campedes, cockoacries, cancers, earwigs, firebrats and sitverfish, fleas, millipedes, cockoacries, cancers, oz. this product per 50 gallons of water (2 fl. oz. per 3 gallons), and apply via power spray or other spray methods. To help prevent infestations of buildings by the above pests, outside perimeter treatment should be in a band 6 to 10 leet wide and confined to shrub beds, foundation plantings and lawn or soit areas immediately adjacent to the structure. Direct application to structures should be minimal and restricted to cracks and crevices and other areas where insects tend to congregate.

IMPORTED FIRE ANTS: Mix 1½ plnts of this product per 50 gallons of water (¥ fl. oz. per gation). Apply a total of 2 gations of the divide solution over the surface of each mound or at least 1 quart per 6 inches of mound diameter using a bucket, can or other appropriate equipment. Thoroughly wet mound an surrounding area to a 4 ft, diameter (12 sq, ft.), Do not disturb mounds prior to treatment. Pour solution from a height of about three feet to give sufficient force to break mound apex and flow into ant tunnels. For best results apply in cool weather 65-80% for in adversion prior bours. Paragata policitation weather, 65-80°F, or in early moming or late evening hours. Repeat application if mound activity resumes after 10 days. Treat new mounds as they appear. Pressunzed sprays may disturb the ants and cause migration, reducing product effectiveness.

NOTICE IAT THIS PRODUCT CONFORMS TO THE NOTICE PLATTE WARRANT, IAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIM, JN 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 THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSE-QUENCES 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 PLATTE. 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. EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTES, OR REPRESENTATIONS OF ANY KIND. EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE. STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR THADE USAGE. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT. PLATTE WARRANT

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