# CARBARYL 90DF Sevin® brand water dispersible granule for broad spectrum insect control

STOP - READ LABEL BEFORE USING.

# KEEP OUT OF REACH OF CHILDREN WARNING STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Call a physician.

IF SWALLOWED: Call a physician or Poison Control Center immediately. Drink I or 2 glasses of water and induce vomiting by touching back of the throat with a finger. Never give anything by mouth to an unconscious person.

IF ON SKIN: Remove contaminated clothing and wash skin with soap and plenty of water. If irri' tion develops, get medical attention.

IF INHALED: Remove person to fresh air and apply respiration if indicated.

See left side panel for additional PRECAUTIONARY STATEMENTS.

EPA Reg. No. 9779-294

EPA Est. No. 9779-AR-13

Manufactured For RIVERSIDE/TERRA CORPORATION Terra Centre, 600 Fourth Street, Sioux City, Iowa 51101 Riverside Serves Agriculture. Agriculture Serves Everyone.

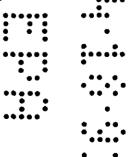
NET CONTENTS LBS.

\*Sevin is a registered trademark of Rhone Poulenc Ag Company.

ACCEPTED

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Under the Federal Irsacticide Fungine e, and Referricide Act, as arms, delitor the pesticide registered under EPA Reg. No. 9779-294



# PRECAUTIONARY STATEMENTS WARNING HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if swallowed. Causes eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist or dust particles. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. 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 use this product in commercial food areas of food handling establishments, restaurants, or other places where food is prepared or processed. Remove contaminated clothing and wash before reuse.

NOTE TO PHYSICIAN: Carbaryl is a moderate, reversible cholinesterase inhibitor. Atropine is antidotal. Do not use 2-PAM, opiates or cholinesterase inhibiting drugs.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish and extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water or wetlands, except under forest canopy and for use on rice. Discharge from rice fields may kill aquatic and estuarine invertebrates. Do not apply when weather conditions Tavor drift from areas treated. Do not apply where runoff is likely to occur. Do not concaminate water by cleaning of equipment or disposal of wastes.

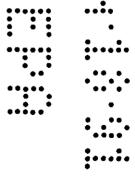
This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

#### DIRECTIONS FOR USE

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

## REENTRY STATEMENT

Do not enter treated areas without protective clothing such as long-sleeved and long-legged work clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Pepartment of Agriculture for further information.



#### NOTICE TO CROP OWNERS

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. In case of accidental exposure follow the information given under STATEMENT OF PRACTICAL TREATMENT and have exposed person(s) see a physician. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is a reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: WARNING. Area treated with carbaryl on (date). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, refer to the STATEMENT OF PRACTICAL TREATMENT on the label.

# STORAGE AND DISPOSAL DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. STORAGE

Store in a dry location away from foods, feeds, seeds, and other agricultural chemicals. Keep storage area locked when not in use. Keep container closed when not using Do not allow water into container as this may cause deterioration of product. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. In the event of spillage, scrape up and dispose of in accordance with information given under PESTICIDE DISPOSAL. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

#### DISPOSAL

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### GENERAL INFORMATION

Carbaryl 90DF is a mater dispersible granule for broad spectrum control of insects. It readily disperses in water to form a spray which may be applied by air, ground, center pivot, or solid set irrigation equipment.

PRE-HARVEST AND GRAZING USE INFORMATION AND LIMITATIONS: Tolerances established under the Federal Food, Drug and Cosmetic Act permit the sale of crops bearing probable carbaryl residues when this product is used in accordance with label directions. If used as directed, treated forage may be grazed to used as feed for dairy and meat animals without causing illegal residues in meat or milk. This product may be applied up to and including the day of grazing of forage crops. Applications may be made without removing livestock from area being treated. To avoid illegal residues in crops, meat and milk, do not apply at greater rates and more frequent intervals than stated on the label.

PLANT RESPONSE PRECAUTIONS: To avoid possible injury to tender foliage, do not apply to wet foliage or when rain or high humidity is expected during the next two days. Carbaryl injures Boston Ivy, Virginia creeper and maidenhair fern. During early season, it may also injure Virginia and sand pines. Observe label instructions on apple thinning and on combinations with certain herbicides on rice and soybeans.

SPRAY PREPARATION: Remove oil, rust, scale, pesticide residues and other foreign matter from mix tanks and entire spray system. Flush with clean water. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of Carbaryl 90DF and then the remaining volume of water. Prepare only as much spray mixture as can be applied on the day of mixing. Maintain continuous agitation during mixing and application to assure a uniform suspension. Do not store spray mixtures for prolonged periods.

COMPATIBILITY: Carbaryl 90DF is compatible with a wide range of pesticides. It has been used without plant injury with most common insecticides, miticides, fungicides, nutrients, adjuvants, and petroieum oil as used on citrus. If compatibility of Carbaryl 90DF with another product and the resulting crop response are unknown, it should be tested on a small scale. Curdling, precipitation, greasing, layer formation or increased viscosity are symptoms of incompatibility. When preparing combination sprays, first add Carbaryl 90DF to water. Mix thoroughly and then add combination products to the mixture. Do not apply tank mix combinations unless your previous experience indicates the mixture is effective and will not result in application problems, excessive residues, or plant injury. Unstable under highly alkaline conditions. Not effective if used with alkaline material such as Bordeaux, lime-sulfur and case in lime spreaders.

APPLICATION: On all crops use sufficient gallonage to obtain thorough and uniform coverage. Calibrate spray equipment to deliver the required amount. Use 50 mesh slotted strainers in spray system and 25 mesh slotted strainers behind nozzles. To clean spray system after use, drain and flush with water.

INSECT CONTROL: Apply when insects or their damage appears. To maintain control, repeat at 7 to 14 day intervals or as necessary unless a shorter interval is specified below. Where a dosage range is indicated, use lower rate on young plants and early instars and higher rate on mature plants, advanced instars and adults. Thorough and uniform spray coverage is essential for effective control. Carbaryl 90DF does not control spider mites. If spider mites are a problem, use a registered miticide.

CROP ROTATION: Subsequent planting of food and feed crops in treated soll must be made with crops on this or other carbaryl labels.

#### DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through sprinkler irrigation systems including center pivot and solid set. Do not apply this product through any other type of irrigation system.

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

APPLICATION INSTRUCTIONS: First prepare a suspension of Carbaryl 90DF in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of Carbaryl 90DF, and then the remaining volume of water. (Suspension concentrations using the appropriate dosage per acre recommended on this label of Carbaryl 90DF per 1 to 4 gallons of water are recommended). Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of Carbaryl 90DF into the irrigation water line so as to deliver the desired rate per acre. The suspension of Carbaryl 90DF should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialist, equipment manufacturers or other experts.

NOTE: When treatment with Carbaryl 90DF has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours to prevent washing the chemical off the crop.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS.

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

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

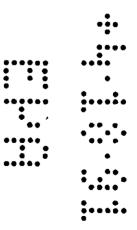
The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. The system must contain functor tional interlocking controls to automatically shut off the pesticide injuntion pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pure moths then the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the shad intended for treatment.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Crop in ury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

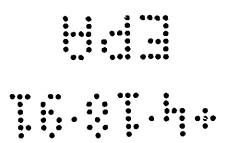
Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.



# FORAGE, FIELD AND VEGETABLE CROPS

Apply in sufficient spray volume to obtain thorough coverage. To prepare small volumes of spray, use 1 1/4 tablespoons of CARBARYL 90DF per gallon of water where rates of 1 1/8 pounds per acre or 1 1/8 pounds per 100 gallons are indicated in the table below.

CROP	INSECT	POUNDS OF CARBARYL 90DF/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPI DIRI
All Forage, Field and Vegetable Crops In This Section	Grasshoppers	5/8 to 1-2/3	See specific Forage, Field or Vegetable Crop	Use 5/8 nymphs or spar in wast land, d borders 1-2/3 1 grassho



CROP	INSECT	POUNDS OF CARBARYL 90DF/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Alfalfa Clovers	Blister beetles, Mexican bean beetle	5/8 to 1 1/8	7 (Alfalfa) 0 (Clovers)	Observe plant response precautions.
	Alfalfa cater- pillar, Bean leaf beetle, Cucumber beetles, Green cloverworm, Japanese beetle, Leafhoppers, Three cornered alfalfa hopper, Thrips, Velvet- bean caterpillar Alfalfa weevil larvae, Armyworm, Cloverhead weevil, Corn earworm, Cutworms, syptian alfalfa weevil larvae, Essex skipper, European alfalfa beetle, Fall armyworm, Lygus bugs, Stink bugs, Webworms, Yellow- striped armyworm	1 1/8 to 1 2/3		For alfalfa weevil larva if pretreatment damage is extensive, cut alfalf and treat the stubble. Use higher rate in areas east of the Rocky Mtns. On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage.  Apply only once per cutting.
Asparagus	Asparagus beetle	1 1/8 to 2 1/4	1	Treat ferns or brush
	Apache cicada Asparagus beetle	2 1/4 to 4 1/2	Post harvest application only.	growth. Do not treat more than once every 3 days.

JROP	INSECT	POUNDS OF CARBARYL 90DF/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Beans (including blackeyed peas, cowpeas, crowder	Mexican bean	5/8 to 1-1/8	0 3 (cowpeas) 7 (lentils)	Observe plant response precautions.
or southern peas,		1-1/8	- / (leucils)	
dry beans, green		-		
beans,lima beans,			i	
navy beans and	beetles, Flea			
snap beans)	beetles, Green			
•	cloverworm,		ļ	
Lentils (except	Japanese beetle,			
California)	Leafhoppers,		1	
	Three cornered		1	
	alfalfa hopper,		ł	
	Thrips, Velvet-		1	
	bean caterpillar,		1	
	Western bean cut-		İ	1
	WCTE		İ	
	Armyworm, Corn	1-1/8 to 1-2/3		
	earworm, Cutworms,			
	European corn		İ	
	borer, Fall army-			
	worm, Stink bugs,		1	
	Tarnished plant			
	bug, Webworms			
	Alfalfa looper	1-2/3		
	Cowpea curculio	2-1/4	]	
	Corn earworm,	2-1/4		CALIFORNIA ONLY
	Lima bean pod			
	borer, Lygus bugs,			
O.kh	Stink bugs		<u> </u>	
Cabbage,	Flea beetles,			
Broccoil,	Harlequin bug	5/8 to 1-1/8	<u> </u>	
Brussels Sprout,	Armyworm, Corn			
Cauliflower,	earworm, Diamond-			
Kohlrabi	back moth, Fall	1-1/8 to 2-1/4	1	1
	armyworm, Import-			
<del></del>	ed cabbageworm		1	

CROP	INSECT	POUNDS OF	PRE-HARVEST	STECIFIC
		CARBARYL 90DF/ACRE	INTERVAL (DAYS)	DIRECTIONS
Chinese cabbage,	Flea beetles,	5/8 to 1-1/8	3 (horseradish,	
Collards,	Harlequin bug,		radishes, rutabagas	
Hanover salad,	Leafhopper		and turnip roots)	
Horseradish,	Aster leafhopper	1-1/8 to 1-2/3		
Kale,	Armyworm, Corn	1-1/8 to 2-1/4	14 (Chinese cabbage,	
Mustard greens,	earworm, Fall		collards, Hanover	
Racishes,	armyworm,		salad, kale,	
Rutabagas,	Imported cabbage-		mustard greens,	
Turnips	worm, Stink bugs,		and turnip tops)	
	Tarnished plant			
	bug			
Carrots, Celery,	Flea beetles,	5/8 to 1-1/8	0 (carrots)	Treat on a 5 to 7 day
(except CA),	Leafhoppers		1	schedule.
Parsnips,	Aster learhopper,	1-1/8 to 1-2/3	3 (parsnips)	
Parsley	Lygus bugs,	Ì	1	<b>[</b>
	Spittlebugs			
	Armyworm, Corn	1-1/8 to 2-1/4	14 (parsley)	
	earworm, Fall		(celery)	
	armyworm, Stink		1	
	bugs, Tarnished			
	plant bug			

CROP	INSECT	POUNI CARBARYL 90/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Corn (field, sweet, pop)	Armyworm, Chinch bugs, Corn ear- worm, Corn root- worm, adults, European corn borer, Fall army- worm, Flea beetles, Japanese beetle, Sap beetles, South- western corn borer, Leafhoppers	1-1/8 to 2-1/4	O INTERVAL (DAYS)	OBSERVE BEE CAUTION.  For insects attacking silks and ears apply at 1 to 6 day intervals starting when first silks begin to dry. For larvae in whorl and foliage feeders, apply as necessary. Optimum timing and good coverage are essential for effective control. For optimum chinch bug control, apply at least 20 gallons of water per acre by ground and direct spray toward stalk to provide thorough coverage. For optimum European corn borer control, do not apply in less than 3 gallons of water per acre by ground.
	Western bean cut- worm		0	Treat when infestation averages 15% and at 90% to 100% tassel emergence. Treatment after 100% silk emergence will reduce effectiveness.
	Cutworms	2-1/4 to 7-1/4	0	For broadcast application, use 7-1/4 pounds in at least 20 gallons (ground) or 5 gallons (air) of water per acre.

CROP	INSECT	POUNDS OF CARBARYL 90DF/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Cotton	Cotton fleahopper, Cotton leafworm, Flea beetles, Striped blister beetle, Thrips	5/8 to 1-1/8	7	Early season insect control.
•	Boll weevil, Cotton bollworms, Cotton leafperforator, Fall armyworm, Leafrollers, Leaf- hoppers, Tarnished plant bug, Yellow striped armyworm (cotton cutworm)	1-1/8 to 2-1/4	7	Treat on a 5 to 7 day schedule for as long as control is necessary.  Mid and late season insect control. May be applied after bolls open.
	Lygus bugs	1-1/8 co 2-1/4	7	For light to moderate population in western irrigated cotton.
	Pink bollworm	1-2/3 to 2-3/4	7	Aphid populations will be suppressed by repeated applications of this insecticide.
	Cutworms, Stink bugs, Saltmarsh caterpillar	2-1/4		
Cucumber, Melons,	Pickleworm, Melonworm	5/8 to 1-1/8	0	Observe plant response precautions.
Pumpkin, Squash	Cucumber beetles, Flea beetles, Leafhoppers, Squash bugs	1-1/8		Avoid excessive appli- cations.
Flax, Proso millet (except CA)	Armyworm	5/8 to 1-2/3	42	Do not graze treated areas or harvest for dairy feed prior to crop maturity.

CROP	INSECT	POUNI	PRE-HARVEST	SPECIFIC
		CARBARYL SOUF/ACRE	INTERVAL (DAYS)	DIRECTIONS
Dandelion,	Flea beetles,	5/8 to 1-1/8	3 (head lettuce &	Observe plant response
Endive	Harlequin bug,		salsify roots)	precautions.
(Escarole),	Leafhoppers			
Lettuce,	Aster leafhopper,	5/8 to 1-2/3	14 (dandelion, endive,	Treat on a 5 to 7 day
Salsify	Lygus bugs,		leaf lettuce &	schedule after heads
	Spittlebugs		salsify tops)	begin to form.
	Armyworm, Corn	1-1/8 to 2-1/4		
	earworm, Fall			
	armyworm,Imported		1	
	cabbageworm,Stink			
	bugs, Tarnished			
	plantbug			
Forage Grasses,	Armyworm, Black	1-1/8 to 1-2/3	0 (aerial application	
Pasture	grass bugs, Chinch		14 (ground application)	
	bugs, Essex	1		use high spray pressure
	skipper, Fall			to improve penetration
	armyworm, Range	ļ		into boot. Apply a mini-
	caterpillars,	1		mum of 2 applications per
	Range crane fly,			year. Allow at least 14
	Striped grass			days between application.
	looper, Thrips		-∔	Carefully mark swath to
	White grubs	1-2/3 to 2-1/4	Ì	avoid over application.
	(green June	<u> </u>		
	beetle)		<u> </u>	
Garden beet,	Flea beetles,	5/8 to 1-1/8	3 (garden beet roots)	
Spinach,	Harlequin bug,	3,0 to 1 1,0	3 (garden beet 100ts)	
Swiss chard	Leafhoppers	}	İ	
0,100 0,101	Aster leafhopper	1-1/8 to 1-2/3	14 (garden beet tops,	Treat on a 5 to 7 day
	Armyworm, Corn		Spinach, Swiss chard)	schedule.
	earworm, Fall	[	, , , , , , , , , , , , , , , , , , , ,	
	armyworm, Stink		1	
	bugs, Tarnished	1	1	1
	plant bug	1-1/8 to 2-1/4	}	1
Okra	Corn earworm,	1-1/8 to 2-1/4	0	Treat on a 5 to 7 day
	Stink bugs	<u>!</u>	1	schedule.

CROP	INSECT	POUND.	PRE-HARVEST	SPECIFIC
	İ	CARBARYL 90DF/ACRE	INTERVAL (DAYS)	DIRECTIONS
Mexican bean beetle Alfalfa caterpillar, Bean labeetle, Cucumb beetles, Green cloverworm, Japanese beetle Leafhoppers, Inecked peanuty Three cornered alfalfa honper Thrips, Velve bean caterpill Armyworm, Cornearworm, Fall armyworm, Stinbugs, Webworms Whitefringed beetle adults	•	5/8 to 1-1/8	0	
	Alfalfa cater- pillar, Bean leaf beetle, Cucumber beetles, Green cloverworm, Japanese beetle, Leafhoppers, Red- necked peanutworm, Three cornered	1-1/8		
	Thrips, Velvet- bean caterpillar Armyworm, Corn	1-1/8 to 1-2/3		
	Whitefringed beetle adults, Cutworms	2-1/4		
Peas	Colorado potato beetle, Leaf- hoppers	1-1/8	3	
Alfalf pillar Pea le Pea we Yellow	Armyworms Alfalfa cater- pillar, Cutworms,	1-1/8 to 1-2/3 1-2/3		
	Pea leaf weevil, Pea weevil, Yellow striped armyworm			
	Alfalfa looper	2-3/4	7	WASHINGTON STATE ONLY

CROP	INSECT	POUNDS OF CARBARYL 90DF/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Potato Tomato Eggplant Pepper	Colorado potato beetle, Flea beetles, Leaf- hoppers European corn borer, Fall army- worm, Lace bugs, Stink bugs, Tarnished plant bug, Tomato fruitworm, Tomato hornworm, Tomato pinworm	5/8 to 1-1/8	O O	Thorough coverage is essential to effectively suppress stink bugs. When disease transmission is suspected, monitor fields following application and re-treat if reinfestation occurs.
Prickly Pear Cactus	Cutworms Cochineal scale (crawlers)	2-1/4	1	Apply as needed at 7-10 day intervals. Do not make more than 7 applica-
Rangeland	Black grass bug, Mormon cricket, Range cater- pillars, Range crane fly	5/8 to 7/8	0 (Aerial application) 14 (Ground application)	tions per season.  For aerial applications only. Apply a maximum of 2 applications per year.  Allow at least 14 days between applications.  Carefully mark swath to avoid over application.

CI	INSECT	POUNDS OF	PRE-HARVEST	SPECIFIC
Rica	Armyworm, Chinch bugs, Fall army- worm, Stink bugs	CARBARYL 90DF/ACRE	INTERVAL (DAYS)	DIRECTIONS  Do not apply propanil herbicide within 15 days before or after CARBARYL 90DF application or plant injury will result (Mississippi Delta & Texas).  Do not use on rice fields
				in which crayfish and/or catfish farming is included in the cultural practice (Mississippi Delta and Texas).  CAUTION: May kill shrim and crabs. Do not use in areas where these are important resources.
	Armyworm, Leaf- hoppers, Tadpole shrimp	2-1/4		CALIFORNIA ONLY.  For optimum tadpole shrimp control apply to water when pest first appears.
grain sorghum, bu sweet sorghum, and hybrids) We	Armyworm, Chinch bugs, Corn ear- worm, Fall army- worm, Stink bugs, Webworms	1-1/8 to 2-1/4	21 (grain) 0 (forage)	Direct spray into forming heads for optimum insect control. For chinch bug use high gallonage ground application directed at the base of plants. This product may not effect-ively control the Southern green stink bug.
	Sorghum midge, Southwestern corn borer	1-2/3		Treat for sorghum midge when 25 to 30 percent of heads have emerged from
	Cutworms	2-1/4		boot and are in bloom. Repeat application 3 to days later if adults are still active. A third application may be necessary in late planted sorghum or if midge are abundant.

CROP	INSECT	POUNDS OF	PRE-H. ~VEST	SPECIFIC
		CARBARYL 90DF/ACRE	INTERVAL (DAYS)	DIRECTIONS
Soybeans	Bean leaf beetle,	5/8 to 1-1/8	0	Do not apply a combina-
	Cucumber beetles,	}		tion of CARBARYL 90DF
-	Green cloverworm,			and 2,4-DB herbicides
	Mexican bean			to soybeans. Use lower
	beetle, Velvet-			rate for light to moder-
{	bean caterpillar		1	ate populations. To
	Corn earworm	5/8 to 1-2/3		control heavy infestat-
	Blister beetles,	5/8 to 1-1/8	1	ions, use higher rate.
	Grape colaspis		1	1
	Alfalfa cater-	1-1/8		{
	pillar, Japanese			
	beetle, Leaf-		1	
	hoppers, Three			! !
	cornered alfalfa			
Į	hopper, Thrips		<u>!</u>	
Į	Armyworm, Cut-	1-1/8 to 1-2/3		
[	worms, Fall army-		[	ĺ
	worm, Stink bugs,			
	Webworms			
	Painted lady	1-2/3 to 2-3/4		
	(Thistle cater-			
	pillar), Salt-			
	marsh caterpillar,			
	Woolybear cater-		İ	
ļ	pillar, Yellow			
	striped armyworm			<u> </u>
Sugar beets	Armyworm, Beet	1-1/8 to 1-2/3	14	· · · · · · · · · · · · · · · · · · ·
	leaf beetle, Fall			İ
	armyworm, flea			
	beetles, Leaf-			
	hoppers, Webworms		<u> </u>	1
L	Cutworms	1-2/3		

CROP	INSECT	POUNDS OF CARBARYL 90DF/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Sunflower	Cutworms	1-2/3	60	
(except CA)	Armyworm, Fall armyworm, Sun- flower moth	1-2/3 to 2-1/4		
	Stem weevil, Sun- flower beetle	1-1/8 to 2-1/4	1	
Sweet Potato (except CA)	Corn earworm, Cucumber beetles, Flea beetles, Sweet potato hornworm, Tortoise beetles	1-1/8 to 2-1/4	0	Apply as a foliar spray as needed.
	Yellow striped armyworm	2		
	Sweet Potato weevil	1 to 2		Full coverage of plants is essential. Use lower rate on young plants and higher rate on mature plants.

CROP	INSECT	POUNDS OF CARBARYL 90DF/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Wasteland Rights-of-way, Hedgerows, Ditchbanks, Roadsides	Black grass bug, Mormon cricket, Range caterpillars Range crane fly		0 (aerial) 14 (ground)	Apply a maximum of 2 applications per year. Allow at least 14 days between applications. Do not allow foraging or cut for hay within 14 days of last application by ground. Aerially treated areas may be grazed or cut for hay on day of treatment. Carefully mark swath to avoid over application.
Wheat (including		5/8 to 1-1/8	0 (forage)	Application is effective
triticale)	Cereal leaf beetle	<u> </u>	<u></u>	against eggs, larvae, and
(except CA)	Armyworm, Fall armyworm	1-1/8 to 1-2/3	21 (grain)	adult of the cereal leaf beetle.

CROP	INSECT	POUNDS OF CARBARYL 90DF/ACRE		PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Tobacco	Tobacco Flea beetle	1-1/8 lbs./50 gal. and apply 6 gal. of spray/100 square yards	0		IN PLANT BEDS To prevent injury, avoid excessive applications.
	Green June beetle grubs	5/8 lb./100 gallons			Apply only to areas that larvae have uprooted by sprinkling as a drench with 50 to 100 gallons per 100 square yards.
	Budworms, Fall armyworms, Flea beetles, Horn-worms, Japanese beetle, June beetle, Suckfly	1-1/8 to 2-1/4			IN FIELDS Use lower rate on young plants (up to knee height). Use at least 10 gallons of prepared spray per acre. Begin treatments when worms are small.
					If late season appli- cations are necessary, allow three days before priming or cutting.

### TREE F AND NUT CROPS

For dilute sprays apply the specified dosage per 100 gallons of water. For concentrate and aerial sprays, increase the concentration of CARBARYL 90DF in the spray mixture to apply an amount per acre equivalent to that in a dilute spray. The optimum spray gallonage will depend on tree size, density and stage of growth. Typical spray gallonages per acre range from 200-300 gallons for dilute sprays; 30-100 gallons for concentrate sprays and 10-25 gallons for aerial sprays. Do not exceed maximum label rate per acre per application.

CROP	POUNDS OF CARBARYL 90DF/100 GAL	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
APPLE THINNING			Apply 1 full coverage dilute spray between 10 and 25 days after full bloom. If factors such as tree age, variety, nutrition, previous crop pruning, bloom and degree of set favor excessive fruit thinning with CARBARYL 90DF, exercise caution to avoid possible yield reduction.
Apples only	1/3 to 5/8	1	For easily thinned varieties including Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap, Yellow Newton.
	5/8 to 1-1/8	1	For difficult to thin varieties including Baldwin, Ben Davis, Duchess, Early McIntosh, Golden Delicious, Lady Apple, Northern Spy, Rhode Island Greening, Steele Red, Turley, Wealthy, Yellow Transparent, and York Imperial.

CROP	INSECT	POUNDS OF	PRE-HARVEST	SPECIFIC
		CARBARYL 90DF/100 GALS.	INTERVAL (DAYS)	DIRECTIONS
Almond	Peach twig borer, San Jose scale, Fruittree leaf- roller  Navel orangeworm	1-1/8	28	Apply in popcorn or petal fall stages and again when the May brood of the peach twig borer begins to hatch or thereafter as needed. Time early or mid-season applications to correspond to moth flight peaks. Make a late season application at initiation of hull split
Apples	Apple aphid, Apple	7/8 to 1=1/8		or up to 10% hull split. Do not apply more than 5-1/2 pounds per acre.
Pears	rust mite, Apple sucker, Bagworms, California pear- slug(pear sawfly), Codling moth, Eye- spotted bud moth, Green fruitworm, Lecanium scales, Lesser appleworm, Lygus bugs, Orange tortrix, Oyster- shell scale, Pear leaf blister mite, Pear psylla, Pear rust mite, San Jose scale, Tenti- form leafminers, Woolly apple aphid		i i i i i i i i i i i i i i i i i i i	WEST OF ROCKY MTS.  To avoid undesired apple thinning, delay use until at least 30 days after full bloom.  For psylla control, apply when eggs hatch or young nymphs are present.

Ck	INSECT		UNDS O.		PRE-HARVEST	SPECIFIC
		CARBARYL	90DF/100	GALS.	INTERVAL (DAYS)	DIRECTIONS
Apples,	Apple mealybug,	5/8			1	EAST OF ROCKY MTS.
Fears (Cont.)	Apple aphid,	1				
	Codling moth,	İ				To avoid undesired apple
	White apple leaf-					thinning, delay use
	hopper	<u>L</u>		1		until at least 30 days
	Apple maggot,					after full bloom.
	Apple rust mite,					
	Bagworms, Eastern					For optimum scale
	tent caterpillar,	}		- 1		control apply when
	European apple	1-1/8		- 1		crawlers are present.
	sawfly, Eyespotted	i				and present
	bud moth, Forbes	ļ				}
	scale, Fruit tree	ĺ		1		į'
	leafroller, Green	ļ				
	fruitworm, Japan-	]		-	•	
	ese beetle,	1		- 1		}
	Lecanium scales,	ŀ				
	Lesser appleworm,	ļ				
	Oystershell scale,	]				}
	Pear psylla, Pear	{		Í		1
	leaf blister mite,	ļ		İ		
	Pear rust Lite,					İ
	Periodical cicada,	l		}		
	Plum curculio, Red-	ł				
	banded leafroller,	ļ		i		
	Rosy apple aphid,			- 1		
	San Jose scale,	ĺ		ł		1:
	Tarnished plant	1		j		
	bug, Tentiform	ļ				ĺ
	leafminers, Woolly	ł		]		
	apple aphid,	]				
	Yellowheaded fire-	ł				
	worm	İ		1		

C.	INSECT	POUNDS CARBARYL 90L	) GALS.	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Cicus Fruit (such as grapefruit, lemons, limes, oranges, tangelos, tangerines, citrus citron, kumquats and hybrids)	roller, California orangedog, Citrus cutworm, Citrus root weevil, Fruit- tree leafroller, Orange tortrix, Western tussock moth, West Indian sugarcane borer (adults) Black scale, Brown soft scale, Cali- fornia red scale, Citrus snow scale,	7/8 to 1-1/8		5	Do not apply more than 22-1/4 lbs. of CARBARYL 90DF per acre per application. Do not apply less than 10 gallons of dilute spray mixture per mature tree. May be mixed with petroleum oils commonly used on citrus.
Filbert	Yellow scale Filbert aphid, Filbert leafroller, Filbertworm	1-1/8		0	Apply when leafroller eggs are hatching. Repeat on first appearance of adult filbert moths and again 3 to 4 weeks later.
Olives	Olive scale	7/8 to 1-1/8		0	For optimum scale control, add 1-1/2 gallons of summer oil and apply mixture when crawlers are present.  Do not exceed 2 applications per year. Do not apply more than 16-2/3 lbs. of CARBARYL 90DF per acre per application.

CROP	INSECT	POU	NDS OF	PRE-HARVEST	SPECIFIC
		CAREARYL	90DF/100 GAL	INTERVAL (DAYS)	DIRECTIONS
Peaches,	Apple pandemis,	1-1/8		l (peaches)	Do not apply more than
Apricots,	Codling moth,			3 (apricots &	6-2/3 lbs. of CARBARYL
Nectarines	Cucumber beetle,			nectarines)	90DF per acre per appli-
	European earwig,	ļ			cation to apricots. For
	Fruittree leaf-	ļ			optimum scale control
	roller, Japanese	1		i	apply when crawlers are
	beetle, June	l			present. Spray limbs
	beetle,	1			and trunks thoroughly,
	Lecanium scales,	1			weekly during moth
	Lesser peachtree	i		j	flight.
	borer,Olive scale,	)		<u>}</u>	
	Orange tortrix,	ľ			Ì
	Oriental fruit				
	moth, Peach twig	}		•	1
	borer, Periodical			1	<u>}</u>
	cicada, Plum cur-	i			
	culio, Redbanded	ł		İ	l.
	leafroller, San				1
	Jose scale, Tar-				
	nished plant bug,	į		1	į.
	Tussock moth,	Ì			
	Variegated leaf-	ŀ			
	roller	ļ		}	1
Pecans	Black margined	1-1/8 to	2-3/4	0	Do not apply more than
	aphid, Fall web-	1			8 pounds of CARBARYL
	worm, Hickory	İ		İ	90DF per acre per
	shuckworm, Lesser			1	application.
	webworm, Pecan	]			
	leaf phylloxera,	1			}
	Pecan nut case-	}			1
	bearer, Pecan	1			
	spittlebug, Pecan			<u> </u>	
	weevil, Twig			1	Į.
	girdler, Walnut			İ	
	caterpillar			1	

CROP	INSECT	POU	NDS OF		I	PRE-HARVEST	SPECIFIC
		•	90DF/100	GALS.		INTERVAL (DAYS)	DIRECTIONS
Plums,	Black cherry aphid,	1-1/8			1		Do not apply more than
Prunes,	Brown soft scale,						6-2/3 lbs. of CARBARYL
Cherries	Cherry fruitworm,				1		90DF per acre per appli-
	Cherry maggot,				1		cation. For optimum
!	European earwig,				l		scale control, apply
	Eyespotted bud-						when crawlers are
	moth, Forbes scale,	•					present. For lesser
	Fruittree leaf-						peach tree borer
	roller, Green				ļ		control, spray limbs and
	fruitworm, Japan-				i		tree trunks thoroughly
	ese beetle,			i	1		weekly during moth
	Lecanium scales,				1		flight.
	Lesser peachtree			·	1		
	borer, Mealy plum				ŀ		
	aphid, Oystershell						
	scale, Peach twig						
	borer, Plum cur-						
	culio, Prune leaf-						
	hopper, Redbanded						
	leafroller, Rose						
	chafer, San Jose				]		
	scale, Variegated						
	leafroller				l		
	Codling moth,	7/8					
	Eastern tent				ļ		
	caterpillar,						
	Orange tortrix,	Į					
	Tussock moth						

CROP	INSECT	POUNDS OF CARBARYL 90DF/100 GALS.	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Walnut	Calico scale, European fruit lecanium, Filbert- worm, Fruittree leafroller, Frosted scale, Codling moch	5/8	0	For codling moth, apply first spray when average cross sectional diameters of developing nuts are 1/2 to 3/4 inch. Repeat during middle or late June as needed.
	European earwig	2-1/4		Spray tree trunks to point of run-off.

## SMALL FRUIT CROPS

Recommended dosages refer to pounds of CARBARYL 90DF 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 label rate per acre per application.

CROP	INSECT	POUNDS OF	PRE-HARVEST	SPECIFIC
		CARBARYL 90DF/ACRE	INTERVAL (DAYS)	DIRECTIONS
,	European raspberry aphid, Japanese beetle, Leafhoppers, Leafrollers, Rose chafer, Snowy tree cricket	1-1/8 to 2-1/4	7	
	Omnivorous leaf- roller, Raspberry sawfly	2-1/4		CALIFORNIA ONLY
Blueberries	Blueberry maggot, Cherry fruitworm, Cranberry fruit- worm, European fruit lecanium, Japanese beetle	1-2/3 to 2-1/4	0	Apply 3 weeks before harvest and repeat as necessary.

(	INSECT	POUNDS CARBARYL 90DF/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Cranberries	Cutworms, Cranberry fireworms, Cran- berry fruitworms, Japanese beetle, Leafhopper, Rose	1-2/3 to 3-1/3	1	Apply in late bloom and as needed at 7 to 10 day intervals.
Grapes	chafer  European fruit lecanium, Grape leaffolder, Grape leafhopper, Western grapeleaf skeletonizer, Western yellow- striped armyworm Cutworms, Eight- spotted forester, Grape berry moth, Japanese beetle, June beetle, Orange tortrix, Omnivorous leaf- roller, Redbanded leafroller, Salt-	1-1/8 to 2-1/4 2-1/4	7	Apply before first brood leaffolder larvae emerge from rolls.
Strawberries	marsh caterpillar Flea beetle, Meadow spittlebug, Omnivorous leaftier (strawberry fruitworm), Strawberry leafroller, Strawberry weevil		1	CARBARYL 90DF may injure Early Dawn and Sunrise varieties on the Delmarva Peninsula.

# TRE" 'ND ORNAMENTALS

For atrol of certain insects on trees, ornamentals, woody plants and shrubs, apply the recommended amount of Carbaryl 90D in 100 gallons of water. Use hand or power-operated sprayer to wet leaves and twigs to the dripping point. Do not use on Boston ivy, Virginia creeper and maidenhair fern. During early season it may also injure Virginia and sand pines.

POL	UNDS OF CARBARYL 90	DF
INSECTS	PER 100 GALLONS	SPECIFIC DIRECTIONS
Ants, Apple aphid, Armyworm, Azalea leafminer,	1-1/8	Observe plant response precautions.
Bagworms, Birch leafminer, Blister beetle,		
Boxelder bug, Boxwood leafminer, Brown tail		Apply dilute sprays to obtain thorough coverage
moth, Cankerworms, Catalpa sphinx, Chiggers,		of upper and lower leaf surfaces. To control
Cutworms, Cypress tip moth, Eastern spruce gall		scale insects, treat trunks, stems and twigs in
adelgid, Elm leaf aphid, Elm leaf beetle, Elm		addition to plant foliage. For optimum worm
spanworm, Eriophyid m <sup>i+</sup> es, European pine shoot		control, treat when in early instars. Addition
moth, Fall armyworm, Flea beetles, Fuschia gall		of a sticker may improve residual control.
mite, Fullar rose beetle, Gall midges, Gall		
wasps, Greenstriped mapleworm, Grasshopper		Applications for control of maple leafcutter
Gypsy moth, Hackberry nipplegall maker, h		sugar maple should be made when larvae are in
bud moth, Holly leafminer, Jackpine budwo		2nd instar after mining and as cases are being
Japanese beetle, Jeffrey pine needleminer,		formed.
June beetles, Lace bugs, Leafhoppers, Leaf-		
rollers, Locust borer, Maple leafcutter,		DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING
Mealybugs, Mimosa webworm, Nantucket pine tip		APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.
moth, Oak leafminers, Oak leaf skeletonizer,		
Oak moth, Oakworm complex, Oleander caterpillar,		
Olive ash borer, Orangestriped oakworm, Orange		
tortrix, Periodical cicada, Pine looper, Pine		
sawfly, Pine spittlebug, Pitch pine tip moth,		
Plant bugs, Poinsettia hornworm, Psyllids,		
Puss caterpillar, Redhumped oakworm, Rose aphid,		
Rose chafer, Roseslug, Saddled prominent caterpilla	rs,	
Sawflies (exposed), Scale insects, Sowbugs,		
Spiny elm caterpillar, Springtails, Spruce		
needleminer, Subtropical pine tip moth, Tent		
caterpillars, Thrips (exposed), Thorn bug,		
Ticks, Tree hoppers, Walnut caterpillar,		
Webworms, Western hemlock looper, Willow leaf		
beetles, Yellow poplar weevil		

			<u> </u>
Bal wig aphid, Cooley Spruce gall adelgid, Doug_ fir tussock moth, Spruce budworm, Western Spruce budworm	1-1	5 2-1/4	Use the higher rate when large lar or heavy populations are present.
Ips engraver beetles, Mountain pine beetle, Roundheaded pine beetle, Spruce beetle, Western pine beetle		17-3/4	Effective for beetle control or as a protective treatment. Apply 1 gallon of spray per 50 square feet of bark prior to beetle flight of host tree attack. Treat tree trunks from ground level up, until trunk diameter is less than 5 inches. Repeat treatments as needed.
Elm bark beetle			Apply approximately 20 to 30 gallons of spray mixture for each 50 feet of elm tree for thorough coverage of all bark surfaces on trunks, limbs and twigs.

## LAWN AND RECREATIONAL AREAS

For control of certain turfgrass pests, apply the recommended rates in sufficient spray volume for thorough coverage and turf thatch penetration. Where a dosage range is indicated, use the higher rate on large pests populations, advanced instars and dense vegetation. Repeat treatment as necessary. Do not allow public use of treated areas during applications or until sprays have dried.

		AMOUNT OF CARE	BARYL 90DF	
		OZ. PER	POUNDS	
SITE	INSECT	1000 SQ. FT.	ACRE	SPECIFIC DIRECTIONS
Turf	Ants, Armyworm,	3/4	2-1/4	For Armyworm, Cutworm and Fall Armyworm Control: Do not irrigate
grasses	Centipedes,	to	to	treated areas following insecticide application.
	Chiggers, Cut-	1-1/2	4-3/8	
	worms, Earwigs,			For Green June Beetle Grub Control: Make applications when grubs
	Essex skipper,			are feeding near the soil surface. Water or irrigate turf grasses
	European chafer,			soon after treatment.
	Fall armyworm,			
	Fiery skipper,			
	Grasshoppers,			
	Green June			
	beetle grub,			
	June beetles,			
	Leafhoppers,			
	Lucerne moth,			
	Millipedes,			
	Mosquitos			
	(adults), Sow-			
	bugs, Spittle-			
	bugs, Spring-			
	tails, Ticks,			
	Yellowstriped			
	агшучогш			

		MINOUNI OF ON	VDVVIT JODE	
		OZ. PER	POUNDS	·
SITE	INSECT	1000 SQ. FT.	ACRE	SPECIFIC DIRECTIONS
Turf	Chinch bugs,	2-1/2	6-2/3	For Chinch Bug Control: Treat entire grass area rather than just
grasses	Mole crickets	to	to	damaged areas. Irrigation of turf grass area before treatment
(cont.)	Sod webworms	3	8-7/8	will aid in penetration of insecticide into turf grass.
	(lawn moths)			For Mole Cricket Control: Treatment should be made the afternoon or early evening following turf grass irrigation. Do not irrigate treated areas following insecticide application.  For Sod Webworm Control: Do not irrigate treated areas following insecticide application.
	Bluegrass bill- bug, European crane fly, Fleas, White grubs ( such as		87/8	For European Crane Fly Control: Treatments should be applied in early spring, April 1 to April 15, or as recommended by local Agricultural Extension Service agents. Water or irrigate turf grasses thoroughly soon after treatment.
	Japanese beetle, Chafer beetle, and Phyllophaga spp. larvae)	-		For White Grub Control: Applications should be made when grubs are feeding near the soil surface, usually during late March through May, or July to early September, or as recommended by local Agricultural Extension Service agents. Water or irrigate turf grasses thoroughly soon after treatment.

# IMPORTED FIRE ANT CONTROL

	AMOUNT OF CARBARYL 90DE	7/
SITE	VOLUME OF WATER	SPECIFIC DIRECTIONS
Lawns, Cemeteries and	1 2/3 pounds	Apply a total of 2 gallons of the diluted solution over the surface of
Recreational Areas		each mound or at least 1 quart per 6 inches of mound diameter using a
<pre>(including turf, golf courses, and parks)</pre>	or	bucket, can or other appropriate equipment. Thoroughly wet mound and surrounding area to a 4 ft. diameter (12 sq. ft). Do not disturb
Pastures, Rangeland, Forested Lands and Wasteland	3/⊶ tablespoon/gal.	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 degrees F, or in early morning or late evening hours. Repeat applications if mound activity resumes after 10 days. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness. DO NOT ALLOW PUBLIC USE OF TREATED AREAS DURING APPLICATIONS OR UNTIL SPRAYS HAVE DRIED.
Nursery Stock, Vegetable	1 2/3 pounds/100 gals.	
Transplants, Foliage	_	
Plants and Bedding		Do not make more than one application, either as a root-dip or a
Plants		drench treatment (applied to the point of saturation). Avoid contact with foliage and treat only the growing media when using on bedding plants.

# CONTROL OF TICKS WHICH TRANSMIT LYME DISEASE

SITE	SPECIFIC DIRECTIONS
Lawns and Recreational Turfgrass (Including: Lawns and Perimeters, Golf Courses, Sports Fields, Cemetaries, Parks, and Pastures)	For control of juvenile and adult Ixodes spp. ticks (Deer tick, Bear tick, and Black legged tick) and Amblyomma spp. ticks (Lone Star tick), apply at the rate of 1 ounce per 4 gallons of water.
Shrubs, Ornamentals, Wooded Areas (Including: Military Posts, Logging camps, and Campsites) Wastelands	Begin applications in late spring or early summer (May/June). Thoroughly treat entire turf area, shrub beds, ornamental plantings, wooded areas, and around outside perimeters of homes/buildings where exposure to ticks may occur. Repat at 3 to 4 week intervals since ticks may be reintroduced from surrounding at 5 by animals.

#### MOSOULTO CONTROL

For te spray ground applications to trees (including nade trees, shelter belts, forests, plantations, points and recestational areas), ornamentals, woody plants and shrubs, apply the specified dosage per 100 gallons of water. For concentrate apray 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 commercially 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.

CROP	POUNDS OF CARBARYL 90DF	SPECIFIC DIRECTIONS
Pastures Rangelands, Yards, Paras, Recreational Areas, Logging Cass, Military Posts and Adjacent Forested Unds or Wastelands	1/3 to 1-1/8	Treat shrubbery and areas where adult mosquitoes congregate. Treat when adult mosquitoes are active in early mornings or late evening. Repeat at 7 to 10 day intervals. Use 1/3 to 5/8 lb. per 100 gallons in mistblower, 5/8 to 1-1/8 lbs. per acre in aerial sprays and 1-1/8 lbs. per acre in low pressure ground sprayers. Do not use where shrimp and crabs are important resources. Observe bee caution.
	27-3/4	For residual control in subtropical regions, apply 4 gallons of prepared spray per 2000 square feet of surface area. Repeat in 3 to 6 months or when necessary.

#### FEST CONTROL AROUND BUILDINGS

INSECT	POUNDS OF CARBARYL 90DF/ 100 GAL.	SPECIFIC DIRECTIONS
Ants, Cockroaches	22-1/4	For external use around buildings only. Do not treat
Brown dog tick,	11-1/4	animals. Apply as a coarse wet spray or with a paint
Earwig,		brush to outdoor sleeping quarters of pets, outside
Flea,	1	perimeter of dwellings and other areas where insects
Millipede,		tend to congregate. Do not use where edible products
Silverfish		are exposed, being prepared, processed or served. Avoid
		application to surfaces where visible spray residues
		are objectionable.

# POULTRY ROOSTS AND BUILDINGS ONLY

POULTRY QUARTERS	POUNDS OF CARBARYL 90DF/ 100 GAL.	SPECIFIC DIRECTIONS
Bed bug, Chicken mite, Flea, Lice, Northern fowl mite	4-1/2	DO NOT TREAT POULTRY OR GAME BIRDS.  Apply 1 to 2 gallons of spray mixture per 1,000 square feet of wall, litter or roost surface. Force spray into cracks. Repeat as needed. Avoid contamination of nests, eggs and feeding and watering troughs.  Ventilate while spraying. Do not treat premises within 7 days of slaughter.
Fowl tick	17-3/4	_\\
Lesser mealworm	55-1/2	Apply 2 gallons of spray mixture per 1,000 square feet of floor space or litter surface. Repeat as needed. Ventilate while spraying. Do not treat premises within 7 days of slaughter.