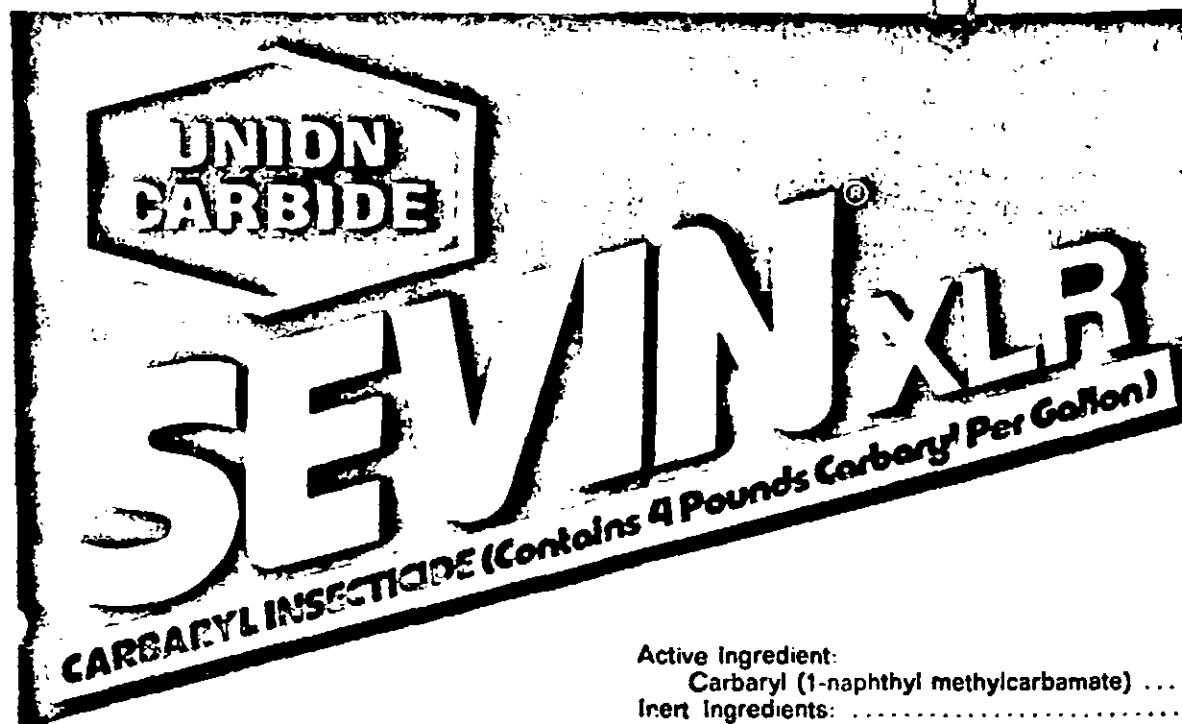


Active Ingredient:
 Carbaryl (1-naphthyl methylcarbamate) 43.4% by wt.
 Inert Ingredients: 56.6% by wt.
 TOTAL 100%

E.P.A. Reg. No. 264-333

E.P.A. Est. No. _____

CAUTION: KEEP OUT OF REACH OF CHILDREN

HARMFUL IF INHALED OR SWALLOWED. Avoid Breathing of Spray. Do Not Take Internally. Avoid Contact with Skin and Eyes. Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating. Wash thoroughly after handling.

NOTE FOR PHYSICIAN: Carbaryl is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal. Do Not Use 2-PAM, opiates or cholinesterase inhibiting drugs.

AVOID APPLICATION TO LAKES, STREAMS AND PONDS. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT FROM AREA TREATED. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT, OR DISPOSAL OF WASTES.

WARRANTY

1. The manufacturer guarantees and warrants (a) that the active ingredient content and the total net weight are as stated within lawful limits and (b) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states.
2. The manufacturer further warrants that the material herein is reasonably fit for use under normal conditions as directed hereon. The manufacturer neither makes nor authorizes any agent or representative to make any such warranties of FITNESS OR MERCHANTABILITY, guarantee or representation, express or implied, concerning this material. This product is sold only on the basis that buyer assumes all risks of use of handling which result in loss or damage and which are beyond manufacturer's control. No claim of any kind, and whether or not based on negligence, shall be greater in amount than the purchase price of the material in respect of which such claim is made. In no event shall manufacturer or seller be liable for special, indirect or consequential damages resulting from the use or handling of this material.
3. No modification of this warranty and disclaimer is authorized except by specific reference to them in writing by an employee of the manufacturer.

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
 7825 BAYMEADOWS WAY, JACKSONVILLE, FLORIDA 32216

F-47084

UCC-3300599

SEVIN® is the registered trade mark of Union Carbide for carbaryl insecticide.

BEST OVERALL AVAILABLE

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GENERAL INFORMATION

SEVIN XLR is a suspension of microfine SEVIN carbaryl insecticide in an aqueous medium. It readily disperses in water to form a spray which may be applied by air or ground. The directions on this label are based on tests and field experience relating to (a) effectiveness, (b) possible injury to plants and animals, and (c) residues in food, feed and milk. READ THIS LABEL BEFORE USE. STRICTLY OBSERVE LABEL DIRECTIONS AND CAUTIONS, AND APPLICABLE FEDERAL AND STATE REGULATIONS.

Treated areas may be reentered immediately after the spray has dried.

PREHARVEST 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 or 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 harvest or grazing of forage crops. Application may be made without removing livestock from area being treated.

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.

SEVIN 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.

BEE CAUTION: MAY KILL HONEYBEES IN SUBSTANTIAL NUMBERS

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

Do not use when value of honey bees as pollinators is more important than insect control. Before applying, warn beekeepers to locate hives beyond bee flight range until one week after application or to take other equally effective precautions.

BEST DOCUMENT AVAILABLE

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DIRECTIONS FOR USE

SPRAY PREPARATION

TO ASSURE A UNIFORM PRODUCT, AGITATE, STIR OR RECIRCULATE ALL SEVIN XLR CONTAINERS PRIOR TO USE. Remove oil, rust, scale, pesticide residues and other foreign matter from mix tanks and entire spray system. Flush with clean water.

Fill spray or mix tank with $\frac{1}{2}$ to $\frac{3}{4}$ the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of SEVIN XLR, and then the remaining volume of water. Include rinse water from container. Dilution of 1 volume of SEVIN XLR with 1 volume of water will allow maximum resistance to washoff by rainfall or overhead irrigation. Dilutions higher than 1:11 are not recommended where residual insect control from washoff resistance is desired. 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

SEVIN XLR, when diluted with an equal volume of water, is compatible with a wide range of pesticides. It is not compatible with diesel fuel, kerosene, fuel oil or aromatic solvents. If compatibility of SEVIN XLR with another product and the resulting crop response is 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 SEVIN XLR TO AT LEAST AN EQUAL VOLUME OF 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 materials such as Bordeaux, lime-sulfur and casein-lime spreaders.

APPLICATION

On all crops, use sufficient gallonage to obtain thorough and uniform coverage.

Calibrate spray equipment to deliver the required volume. The flow rate of SEVIN XLR diluted 1:1 with water is similar to water.

Use 50 mesh slotted strainers in spray system and behind nozzles.

To clean spray system after use, drain and flush with water.

STORAGE AND DISPOSAL

Store unused SEVIN XLR in original container only, in cool, dry area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100°F.

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

Unused pesticide spray mixture or rinse should be disposed of in landfill approved for pesticides or buried in a safe place away from water supplies. Open dumping is prohibited.

Decontaminate empty bulk tanks and drums with water rinses. Do not reuse empty plastic drums or drum liners. Recondition metal drums before reuse. Destroy by burying in approved landfill or other safe place.

Consult Federal, State or local disposal authorities for approved alternative procedures.

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.

SEVIN XLR does not control spider mites. If spider mites are a problem, use a registered miticide.

FORAGE, FIELD AND VEGETABLE CROPS

Apply in sufficient spray volume to obtain thorough coverage. Where maximum washoff resistance is needed, use up to a 1:1 (vol/vol) dilution with water. Do not dilute greater than 1:1 where washoff resistance is desired. To prepare small volumes of spray, use 1 tablespoonful (1/2 fluid ounce) of SEVIN XLR per gallon of water where rates of 1 quart per acre or 1 quart per 100 gallons are indicated in the tables below.

CROP	INSECT	QUARTS OF SEVIN XLR/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
All Forage, Field and Vegetable Crops in This Section	Grasshoppers	1/2 to 1 1/2	See specific Forage, Field or Vegetable Crop	Use 1/2 to 1 quart for nymphs on small plants or sparse vegetation in wasteland, rangeland, ditch banks and borders. Use 1 to 1 1/2 quarts for adult grasshoppers or applications to dense vegetation.
Alfalfa Clovers	Blister beetles Mexican bean beetle	1/2 to 1	0	Observe plant response precautions. For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the stubble. Use higher rate in areas east of the Rocky Mountains. On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage.
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Green cloverworm Japanese beetle	1		
	Leafhoppers Three cornered alfalfa hopper Thrips Velvetbean caterpillar	1 to 1 1/2		
	Alfalfa weevil larvae Armyworm Cloverhead weevil Corn earworm Cutworms Egyptian alfalfa weevil larvae Essex skipper	1 to 1 1/2		
Asparagus	Asparagus beetle	1 to 2	1	Treat ferns or brush growth. Do not treat more than once every 3 days.
	Apache cicada Asparagus beetle	2 to 4	Post harvest application only	
Beans (including black-eyed peas, cowpeas, crowder or southern peas, dry beans, green beans, lima beans, navy beans and snap beans)	Blister beetles Mexican bean beetle	1/2 to 1	0	Observe plant response precautions. CALIFORNIA ONLY
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Flea beetles Green cloverworm Japanese beetle	1		
	Leafhoppers Three cornered alfalfa hopper Thrips Velvetbean caterpillar Western bean cutworm	1 to 1 1/2		
	Armyworm Corn earworm Cutworms European corn borer	1 to 1 1/2		
	Fall armyworm Stink bugs Tarnished plant bug Webworms	2		
Cabbage Broccoli Brussels Sprouts Cauliflower Kohlrabi	Cowpea curculio	2	3	
	Corn earworm Lima bean pod borer	2		
	Lygus bugs Stink bugs	2		
Chinese cabbage Collards Hanover salad Horseradish Kale Mustard greens Radishes Rutabagas Turnips	Flea beetles Harlequin bug	1/2 to 1	3 (horseradish, radishes, rutabagas and turnip roots) 14 (Chinese cabbage collards, Hanover salad, kale, mustard greens, and turnip tops)	
	Armyworm Corn earworm Fall armyworm	1 to 2		
	Imported cabbage-worm Stink bugs Tarnished plant bug	1 to 2		

CROP	INSECT		QUARTS OF SEVIN XLR/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Carrots Paranips Parsley	Flea beetles	Leafhoppers	1/2 to 1	0 (carrots)	Treat on a 5 to 7 day schedule.
	Aster leafhopper Lygus bugs	Spittlebugs	1 to 1 1/2	3 (paranips)	
	Armyworm Corn earworm Fall armyworm	Stink bugs Tarnished plant bug	1 to 2	14 (parsley)	
Corn (field, sweet, pop)	Armyworm Corn earworm Corn rootworm adults European corn borer Fall armyworm Flea beetles	Japanese beetle Sap beetles Southwestern corn borer Leafhoppers	1 to 2	0	OBSERVE BEE CAUTION. For insects attacking silks and ears apply at 1 to 6 day intervals starting when first silks appear and continuing until silks begin to dry. For larvae in whorl and foliage feeders, apply as necessary. Optimum timing and good coverage are essential for effective control.
	Western bean cutworm		2	0	Treat when infestation averages 15% and at 90% to 100% tassel emergence. Treatment after 100% silk emergence will reduce effectiveness.
	Cutworms		2 to 6 1/2	0	Apply in a 12 inch band, using 6 fluid ounces per 1000 linear feet of row, in at least 15 gallons of water per acre. For broadcast application use 8.5 quarts in at least 20 gallons (ground) or 5 gallons (air) of water per acre.
Cotton	Cotton fleahopper Cotton leafworm Flea beetles	Striped blister beetle Thrips	1/2 to 1	0	Early season insect control.
	Boll weevil Bollworms Cotton leafperforator Fall armyworm Leafrollers Leafhoppers	Tarnished plant bug Yellowstriped armyworm (cotton cutworm)	1 to 2	0	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 to 2	0	For light to moderate populations in Western irrigated cotton.
	Pink bollworm		1 1/2 to 2 1/2	0	Aphid populations will be suppressed by repeated applications of this insecticide.
	Stink bugs	Saltmarsh caterpillar	2		
Cucumber Melons Pumpkin Squash	Pickworm	Melonworm	1/2 to 1	0	Observe plant response precautions.
	Cucumber beetles Flea beetles	Leafhoppers Squash bugs	1		Avoid excessive applications
Dandelion Endive (Escarole) Lettuce Salsify	Flea beetles Harlequin bug	Leafhoppers	1/2 to 1	3 (head lettuce & salsify roots)	Observe plant response precautions. Treat on a 5 to 7 day schedule after heads begin to form.
	Aster leafhopper Lygus bugs	Spittlebugs	1 to 1 1/2	14 (dandelion, endive (escarole) leaf lettuce & salsify tops)	
	Armyworm Corn earworm Fall armyworm	Imported cabbage-worm Stink bugs Tarnished plant bug	1 to 2		
*Forage Grasses Pasture	Armyworm Black grass bugs Chinch bugs Essex skipper Fall armyworm	Range caterpillars Range crane fly Striped grass looper Thrips	1 to 1 1/2	0	To control thrips in grasses grown for seed use high spray pressure to improve penetration into boot.
	White grubs (green June beetle)		1 1/2 to 2		

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CROP	INSECT		QUARTS OF SEVIN XLR/ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Garden beet Spinach Swiss chard	Flea beetles Harlequin bug	Leafhoppers	1/2 to 1	3 (garden beet roots)	Treat on a 5 to 7 day schedule.
	Aster leafhopper		1 to 1 1/2	14 (garden beet tops, spinach, Swiss chard)	
	Armyworm Corn earworm Fall armyworm	Stink bugs Tarnished plant bug	1 to 2		
Okra	Corn earworm	Stink bugs	1 to 2	0	Treat on a 5 to 7 day schedule
Peanuts	Blister beetles	Mexican bean beetle	1/2 to 1	0	Observe plant response precautions.
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Green cloverworm Japanese beetle Leafhoppers	Red-necked peanutworm Three cornered alfalfa hopper Thrips Velvetbean caterpillar	1		
	Armyworm Corn earworm Fall armyworm	Stink bugs Webworms	1 to 1 1/2		
	Whitefringed beetle adults Cutworms		2		
Peas	Colorado potato beetle Leafhoppers		1	0	
	Armyworms		1 to 1 1/2		
	Alfalfa caterpillar Cutworms Pea leaf weevil	Pea weevil Yellowstriped armyworm	1 1/2		
	Alfalfa looper		2 1/2	0	WASHINGTON STATE ONLY
Potato Tomato Eggplant Pepper	Colorado potato beetle Flea beetles Leafhoppers		1/2 to 1	0	
	European corn borer Fall armyworm Lace bugs Stink bugs	Tarnished plant bug Tomato fruitworm Tomato hornworm Tomato pinworm	1 to 2		
	Cutworms		2		
Rice					DO NOT APPLY PROPANIL HERBICIDES WITHIN 15 DAYS BEFORE OR AFTER SEVIN XLR APPLICATION OR PLANT INJURY WILL RESULT.
	Armyworm Chinch bugs	Fall armyworm Stink bugs	1 to 1 1/2	14	MISSISSIPPI DELTA & TEXAS.
	Armyworm Leafhoppers	Tadpole shrimp	2	14	CALIFORNIA ONLY. For optimum tadpole shrimp control apply to water when pest first appears.
Sorghums (milo, grain sorghum, sweet sorghum and hybrids)	Armyworm Chinch bugs Corn earworm	Fall armyworm Stink bugs Webworms	1 to 2	21 (grain) 0 (forage)	Direct spray into forming heads for optimum insect control.
	Sorghum midge Southwestern corn borer		1 1/2		Treat for sorghum midge when 25 to 30 percent of heads have emerged from boot and are in bloom. Repeat application 3 to 5 days later if adults are still active. A third application may be necessary in late planted sorghum or if midge are abundant.
	Cutworms		2		

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CROP	INSECT	QUARTS OF SEVIN XLR/ACRE	PRE HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
*Soybeans	Bean leaf beetle Cucumber beetles Green cloverworm	Mexican bean beetle Velvetbean caterpillar	1/2	DO NOT APPLY A COMBINATION OF SEVIN XLR AND 2,4 DB HERBICIDES TO SOYBEANS For light to moderate populations
	Corn earworm		1/2 to 3/4	
	Blister beetles Grape colaspis Mexican bean beetle		1/2 to 1	To control heavy infestations, use higher rate
	Alfalfa caterpillar Bean leaf beetle Cucumber beetles Green cloverworm Japanese beetle Leafhoppers	Three cornered alfalfa hopper Thrips Velvetbean caterpillar	1	
	Armyworm Corn earworm Cutworms	Fall armyworm Stink bugs Webworms	1 to 1 1/2	
	Painted lady (Thistle caterpillar)	Saltmarsh caterpillar Yellow-striped armyworm	2 to 2 1/2	
*Sugar beets	Armyworm Beet leaf beetle Fall armyworm	Flea beetles Leafhoppers Webworms	1 to 1 1/2	
	Cutworms		1 1/2	
*Tobacco	Tobacco flea beetle		2 Toa gallon or 1 qt./50 gal. or 5 gal./100 sq. yards	IN PLANT BEDS To prevent plant injury, avoid excessive applications.
	Green June beetle grubs		1/2 qt./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 armyworm Flea beetles Hornworms	Japanese beetle June beetle Suckfly	1 to 2	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 applications are necessary, allow three days before pruning or cutting.

TREE FRUIT AND NUT CROPS

For dilute sprays apply the specified dosage per 100 gallons of water. For concentrate and aerial sprays increase the concentration of SEVIN XLR 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	QUARTS OF SEVIN XLR/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 SEVIN XLR, exercise caution to avoid possible yield reduction.
*Apples only	1/2 to 1/2	1	For easily thinned varieties including Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap, Yellow Newton.
	1/2 to 1	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	QUARTS OF SEVIN XLR/ 100 GAL.	PRE HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Almond	Peach twig borer San Jose scale Fruitree leafroller Navel orangeworm	1	28	Apply in bud stage or petal fall stages and again when the May brood of the peach twig borer begins to hatch or thereafter as needed. Time early and mid season applications to correspond to moth flight peaks. Make a late season application at initiation of hull split or up to 10% hull split. Do not apply more than 5 quarts per acre.
Apples Pears	Apple aphid Apple rust mite Apple sucker Bagworms California pearslug (pear sawfly) Codling moth Eyespotted bud moth Green fruitworm Lecanium scales Lesser appleworm Apple mealybug Apple aphid Codling moth Apple maggot Apple rust mite Bagworms Eastern tent caterpillar European apple sawfly Eyespotted bud moth Forbes scale Fruit tree leafroller Green fruitworm Japanese beetle Lecanium scales Lesser appleworm Oystershell scale	Lygus bugs Orange tortrix Oystershell scale Pear leaf blister mite Pear psylla Pear rust mite San Jose scale Tentiform leaf-miner Woolly apple aphid White apple leafhopper Pear psylla Pear leaf blister mite Pear rust mite Periodical cicade Plum curculio Red-banded leaf-roller Rosey apple aphid San Jose scale Tarnished plant bug Tentiform leafminer Woolly apple aphid Yellowheaded firworm	1/2 1 1	WEST OF THE ROCKY MOUNTAINS 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. EAST OF THE ROCKY MOUNTAINS To avoid undesired apple thinning, delay use until at least 30 days after full bloom. For optimum scale control apply when crawlers are present.
Citrus Fruits (such as grapefruit, lemons, limes, oranges, tangelos, tangerines, citrus citron, kumquats and hybrids)	Avocado leafroller California orangedog Citrus cutworm Citrus root weevil Fruitree leafroller Black scale Brown soft scale California red scale	Orange tortrix Western tussock moth West Indian sugarcane borer (adults) Citrus scale Citrus snow scale Yellow scale	1 1/2 to 1	5 Do not apply more than 20 quarts of SEVIN XLR 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	Filbert aphid Filbert leafroller Filbertworm	1	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	1/2 to 1	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 15 quarts of SEVIN XLR per acre per application.
Peaches Apricots Nectarines	Apple pandora Codling moth Cucumber beetles European earwig Fruitree leafroller Japanese beetle June beetles Lecanium scales Lesser peachtree borer Olive scale	Orange tortrix Oriental fruit moth Peach twig borer Periodical cicada Plum curculio Redbanded leaf-roller San Jose scale Tarnished plant bug Tussock moths Variegated leafroller	1 1	1 (peaches) 3 (apricots & nectarines) Do not apply more than 8 quarts of SEVIN XLR per acre per application to apricots. For optimum scale control apply when crawlers are present. Spray limbs and trunk thoroughly, weekly during moth flight.

CROP	INSECT	QUARTS OF SEVIN XLR/ 100 GAL.	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Pecans	Black margined aphid Fall webworm Hickory shuckworm Lesser webworm Pecan leaf phylloxera Pecan nut casebearer Pecan spittlebug Pecan weevil Twig girdler Walnut caterpillar	1 to 2½	0	Do not apply more than 7 2 quarts of SEVIN XLR per acre per application
Plums Prunes Cherries	Black cherry aphid Brown soft scale Cherry fruitworm Cherry maggot European earwig Eyedotted bud moth Forbes scale Fruitree leafroller Green fruitworm Japanese beetle Lecanium scales Lesser peachtree borer Mealy plum aphid Oystershell scale Peach twig borer Plum curculio Prune leafhopper Redbanded leafroller Rose chaffer San Jose scale Variegated leafroller Codling moth Eastern tent caterpillar Orange tortrix Tussock moth	1 ¾	1	Do not apply more than 6 quarts of SEVIN XLR per acre per application. For optimum scale control apply when crawlers are present. For lesser peachtree borer control, spray limbs and tree trunks thoroughly, weekly during moth flight.
Walnut	Calico scale European fruit lecanium Filbertworm Fruitree leafroller Frosted scale Codling moth European earwig	½ ½ 2	0	Apply 5 quarts of SEVIN XLR spray per acre for mature trees. For codling moth apply first spray when average cross-sectional diameters of developing nuts are ½ to ¾ inch. Repeat during middle or late June as needed. Spray tree trunks to point of run-off.

SMALL FRUIT CROPS

Recommended dosages refer to quarts of SEVIN XLR 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	QUARTS OF SEVIN XLR/ ACRE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Blackberries Raspberries Cranberries (including boysenberries and loganberries)	European raspberry aphid Japanese beetle Omnivorous leafroller Raspberry sawfly	1 to 2 2	7	CALIFORNIA ONLY.
Blueberries	Blueberry maggot Cherry fruitworm Cranberry fruitworm European fruit lecanium Japanese beetle	1½	0	Apply 3 weeks before harvest and repeat as necessary.
Cranberries	Cutworms Cranberry fireworms Cranberry fruitworms Japanese beetle Leafhoppers Rose chaffer	1½ to 3	1	Apply in late bloom and as needed at 7 to 10 day intervals.
Grapes	European fruit lecanium Grape leafhopper Grape leafroller Cutworms Eight spotted forester Grape berry moth Japanese beetle June beetles Western grape-leaf skeletonizer Western yellow-striped armyworm Orange tortrix Omnivorous leafroller Redbanded leafroller Saltmarsh caterpillar	1 to 2 2	0	Apply before first brood leaf folder larvae emerge from rolls.
Strawberries	Flea beetles Meadow spittlebug Omnivorous leafroller (strawberry fruitworm) Strawberry leafroller Strawberry weevil	1 to 2	1	SEVIN may injure Early Dawn and Sunrise varieties on the Delmarva Peninsula.

TREES AND ORNAMENTALS

For dilute-spray ground applications to trees (including shade trees, shelter belts, forests, plantations, parks and recreational areas), ornamentals, woody plants and shrubs, apply 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. To prepare small volumes of spray, use 1 tablespoon (1/2 fluid ounce) of SEVIN XLR per gallon of water, where rates of 1 quart are indicated.

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	INSECT		QUARTS OF SEVIN XLR	SPECIFIC DIRECTIONS
GROUND APPLICATION: Trees (including shade trees, shelter belts, forests, plantations, parks and recreational areas). Ornamentals (including roses, flowers and other herbaceous plants). Woody Plants and Shrubs AERIAL APPLICATION Forest Trees (including shade trees, shelter belts, forests, plantations, parks and recreational areas) and Commercially Grown Ornamentals (including roses, flowers and other herbaceous plants). Woody Plants and Shrubs.	Ants Apple aphid Armyworm Azalea leafminer Bagworms Birch leafminer Blister beetle Boxelder bug Boxwood leaf-miner Brown tail moth Cankerworms Catalpa sphinx Chiggers Cooley spruce gall aphid Cutworms Cypress tip moth Douglas fir tussock moth Eastern spruce gall aphid Elm leaf aphid Elm leaf beetle Elm spanworm Eriophyid mites European pine shoot moth Fall armyworm Flea beetles Fuller rose beetle Gall midges Gall wasps Green striped mapleworm	Grasshoppers Gypsy moth Hackberry nipple-gall maker Holly bud moth Holly leafminer Jack-pine budworm Japanese beetle Jeffrey pine needleminer June beetles Lace bugs Leafhoppers Leafrollers Locust borer Mealy bugs Mimosa webworm Nantucket pine tip moth Oak leafminers Oak leaf skeletonizer Oakworm complex Oleander caterpillar Olive ash borer Orange striped oakworm Orange tortrix Periodical cicada Pine sawfly Pine sp. tipbug Pitch pine tip moth	Plant bugs Poinsettia hornworm Psyllids Puss caterpillar Redhumped oakworm Rose aphid Rose chafer Rose slug Saddled prominent Sawflies (exposed) Scale insects Sowbugs Spiny elm caterpillar Springtails Spruce budworm Spruce needle-miner Subtropical pine tip moth Tent caterpillars Thorn bug Thrips (exposed) Ticks Walnut caterpillar Webworms Western hemlock looper Western spruce budworm Willow leaf beetles Yellow poplar weevil	1 <

LAWNS AND RECREATIONAL AREAS

CROP	INSECT	SPECIFIC DIRECTIONS
Lawns and Recreational Areas (including turf, golf courses and parks)	Ants Armyworm Bluegrass billbug Centipedes Chiggers Cutworms Earwigs Essex skipper European chafer Fall armyworm Flary skipper Fleas Grasshoppers	June beetles Leafhoppers Lucerne moth Millipedes Mosquitoes Sod webworm (lawn moths) Sowbugs Springtails Ticks Yellow-striped armyworm
	Chinch bugs White grubs	Use 1 quart of SEVIN XLR in 150 to 200 gallons of spray mixture per 5000 square feet of established lawn, recreational area, roadway or path border. For best results, mow lawn and apply after watering or rain. Insure good penetration of turf. Garden hose or pressure applications may be used. Repeat 2 to 3 weeks later if necessary. Use 1 1/2 quarts of SEVIN XLR in 150 to 200 gallons of spray per 5000 square feet

MOSQUITO CONTROL

For dilute-spray ground applications to trees (including shade trees, shelter belts, forests, plantations, parks and recreational areas), ornamentals, woody plants and shrubs, apply 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. To prepare small volumes of spray, use 1 tablespoon ($\frac{1}{2}$ fluid ounce) of SEVIN XLR per gallon of water, where rates of 1 quart are indicated.

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	QUARTS OF SEVIN XLR	SPECIFIC DIRECTIONS
Pastures, Rangelands, Parks, Recreational Areas, Logging Camps, Military Posts and Adjacent Forested lands or Wastelands.	$\frac{1}{2}$ to 1 ($\frac{1}{2}$ to 1 tablespoonful per gallon)	ADULT MOSQUITOES DO NOT USE WHERE SHRIMP AND CRABS ARE IMPORTANT RESOURCES. OBSERVE BEE CAUTION. 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 $\frac{1}{2}$ to 1 quart per 100 gallons in mistblowers, $\frac{1}{2}$ to 1 quart per acre in aerial sprays and 1 quart per acre in low pressure ground sprayers.
	25	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.

PEST CONTROL AROUND BUILDINGS

INSECT	QUARTS OF SEVIN XLR/ 100 GAL.	SPECIFIC DIRECTIONS
Ants Cockroaches	20 (17 tablespoonfuls/ gallon)	For external use around buildings only. Do not treat animals. Apply as a coarse wet spray or with a paint brush to outdoor sleeping quarters of pets, outside perimeter of dwellings and other areas where insects tend to congregate.
Brown dog tick Earwigs Flies Millipedes Silverfish	10 (7 tablespoonfuls/ gallon)	Do not use where edible products are exposed, being prepared, processed or served. Avoid application to surfaces where visible spray residues are objectionable.

POULTRY ROOSTS AND BUILDINGS ONLY

POULTRY QUARTERS	QUARTS OF SEVIN XLR/ 100 GAL.	SPECIFIC DIRECTIONS
Bed bugs Chicken mite Flies Lice Northern fowl mite	4	DO NOT TREAT POULTRY OR GAME BIRDS. Apply 1 to 2 gallons of spray mixture per 1000 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.
Fowl tick	18	Ventilate while spraying. Do not treat premises within 7 days of slaughter.
Lesser meal-worms	50	Apply 2 gallons of spray mixture per 1000 square feet of floor space or litter surface. Repeat as needed. Ventilate while spraying. Do not treat premises within 7 days of slaughter.

BEST DOCUMENT AVAILABLE