



SEVIN BRAND XLR

**CARBARYL INSECTICIDE
LIQUID SUSPENSION**

COMMERCIAL

**GUARANTEE: Carbaryl.....43% by wt.
(Contains 480 Grams Carbaryl Per Litre)**

**THIS PRODUCT CONTAINS 0.3% OF FORMALDEHYDE WHICH HAS BEEN
DETERMINED TO BE OF TOXICOLOGICAL CONCERN**

REGISTRATION NO. 17027
PEST CONTROL PRODUCTS ACT



WARNING

POISON

READ THE LABEL AND BOOKLET BEFORE USING

Aventis CropScience Canada Co
295 Henderson Drive
Regina, Saskatchewan S4N 6C2
(306) 721-4500

GROUP	1A	INSECTICIDE
--------------	-----------	--------------------

IN CASE OF SPILLS, POISONING OR FIRE, TELEPHONE EMERGENCY
RESPONSE NUMBER 1-888-AVENTIS (283-6847) (24 HOURS A DAY)

NET CONTENTS: 10 L

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 equipment. READ THIS LABEL. USE IN STRICT ACCORDANCE WITH DIRECTIONS AND CAUTIONS.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

HARMFUL IF INHALED OR SWALLOWED. Avoid breathing of spray mist. 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.

AVOID CONTAMINATION OF FOOD, FEED, WATER SUPPLIES, STREAMS AND PONDS.

BEE CAUTION: This product is highly toxic to honey bees exposed to direct treatment on blooming crops or weeds. However, field studies have shown that SEVIN XLR Carbaryl Insecticide, while toxic to honey bees, is less hazardous than other carbaryl products when direct application to bees is avoided and the spray residues have dried. For maximum honey bee hazard reduction, apply SEVIN XLR Carbaryl Insecticide from late evening to early morning or when bees are not foraging. If application must be made during foraging periods, the following precautionary measures must be performed prior to treatment to minimize honey bee kill: notify beekeepers to: (1) confine the honey bees to the hive by covering the colony or screening the entrance; or (2) locate hives beyond honey bee flight range from the treated area. Precautionary measures may be discontinued after spray residues have dried.

Leafcutter bees are more sensitive to insecticides than honey bees. Carbaryl applications should be avoided where these bees are foraging.

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 XLR 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 soybeans.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or www.cropro.org/.

FIRST AID: Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If on skin or in eyes, flush with water. If swallowed, induce vomiting at once. Contact a physician or Poison Control Centre immediately. Get to a physician as quickly as possible.

TOXICOLOGICAL INFORMATION:

SEVIN XLR carbaryl insecticide is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal. Do not use 2-PAM, opiates or cholinesterase inhibiting drugs.

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 38°C. Do not contaminate water, food or feed by storage or disposal.

Recyclable Container Disposal:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer of municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Disposal Of Unused, Unwanted Product:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

DIRECTIONS FOR USE:

IMPORTANT: 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, meat and milk. Follow directions for most effective use.

SPRAY PREPARATION: TO ASSURE A UNIFORM PRODUCT, AGITATE, STIR OR RECIRCULATE ALL SEVIN XLR CARBARYL 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 1/2 to 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. Dilutions 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 1:1 are not recommended where residual insect control from washoff resistance is desired. Prepare only as much spray mixture as is needed on the day of mixing. MAINTAIN CONTINUOUS AGITATION DURING MIXING AND APPLICATION TO ASSURE A UNIFORM SUSPENSION. DO NOT STORE SPRAY MIXTURES OVERNIGHT.

WASHOFF RESISTANCE AND COVERAGE: 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 1:1 are not recommended when washoff resistance is desired.

SEVIN XLR spray must be properly diluted, and droplets must dry on the foliage before they become washoff resistant. When atmospheric humidity is low, a drying time of at least one hour is generally adequate. Under high humidity a longer drying time maybe required. Washoff resistance cannot be expected if SEVIN XLR is applied to wet foliage which does not dry adequately prior to rainfall or overhead irrigation.

On all crops use sufficient spray volume to obtain thorough coverage. Optimum pest control under certain crop, pest or climatic conditions may require spray volumes higher than the 1:1 dilution. For example in hot, dry weather, or when humidity is low, higher spray volumes per hectare may be required to minimize loss from evaporation and insure thorough coverage. Consult Provincial agricultural field representatives for recommendations regarding local pest and crop conditions, and the total spray volume required for effective coverage.

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 plant 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 spray volume 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 strainers in spray system and behind nozzles. To clean spray system after use, drain and flush with water.

AERIAL APPLICATION INSTRUCTIONS:

- Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.
- Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appear for the specific use, this product cannot be applied by any type of aerial equipment.
- Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

USE PRECAUTIONS:

- Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module*, developed by CAPCO.
- Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.
- Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose

a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelterbelt) or aquatic habitat.

OPERATOR PRECAUTIONS:

- Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.
- It is desirable that the pilot have communication capabilities at each treatment site at the time of application.
- The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.
- All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

PRODUCT SPECIFIC AERIAL INSTRUCTIONS:

- Read and understand the entire label before opening this product. If you have questions, call Aventis CropScience Canada Co. at 1-888-283-6847 or obtain technical advice from the distributor or your Provincial Agricultural Representative. On all crops, use sufficient spray volume to obtain thorough and uniform

IMPORTANT PRE-HARVEST AND GRAZING USE INFORMATION AND LIMITATIONS:

Tolerance established under the Food & Drug Act permit the sale of crops bearing probable SEVIN residues when SEVIN is used in accordance with label directions. Pre-harvest and grazing use limitations are listed at the end of the directions for each crop use. Where no pre-harvest or grazing time limitations are stated application can be made to the day of harvest and crops can be grazed without time delay if directions for use on the crop are followed. If SEVIN Insecticide is used in accordance with label directions, forage and feed crops, including bean vines, carrot tops, hay, pea vines, and sugar beet tops, may be grazed or harvested for use as feed for dairy and meat animals without resulting in illegal residues in milk or meat.

INSECT CONTROL

Apply when insects or their damage appear. To maintain control repeat at 7 to 10 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.

RESISTANCE MANAGEMENT

For resistance management, this is a Group 1A insecticide. Any insect population may contain individuals naturally resistant to this product and other Group 1 insecticides. The resistant biotypes may dominate the insect population if these insecticides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of this product with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group when such use is permitted.
- Insecticide use should be based on an Integrated Pest Management (IPM) program that includes scouting and record keeping and considers cultural, biological, and other chemical control practices;
- Monitor treated pest populations for resistance development.
- Contact the local extension specialist or certified crop advisors for any additional pesticide resistance-management and IPM recommendations for the specific site and pest problems in the area.
- For further information or to report suspected resistance, contact Aventis CropScience Canada Co. at 1-888-283-6847.

FORAGE, FIELD, CEREAL, VEGETABLE AND TOBACCO CROPS

Apply in sufficient volume to obtain thorough coverage. Where maximum washoff resistance is needed, use up to 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 20 mL of SEVIN XLR per 5 L of water where rates of 2.5 L/ha are indicated in the tables below.

CROPS	INSECT		LITRES OF SEVIN XLR/ HECTARE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Ditchbanks Field borders Forage grasses Headlands Pastures Rangelands Rights-of-way Wastelands	Grasshoppers		1.2-2.3	0	For nymphs or sparse vegetation
			2.3-3.5		For adults or application to dense vegetation.
Alfalfa Barley Clover Oats Rye Wheat	Blister beetles Flea beetles	Leafhoppers Three cornered alfalfa hopper	2.5-4.0	0 (alfalfa & clover)	Remove cattle from area while spraying. Apply when insects or damage appears. Repeat in 7 to 14 days if necessary.
	Alfalfa caterpillar Armyworms Webworms		2.5-5.25		
	Grasshoppers		1.25-2.5	14 (barley, oats, rye & wheat)	
Asparagus (Seedlings, Spears)	Asparagus beetle Cutworms (climbing)		2.5-6.4	1	Apply as a spray in sufficient water for full coverage. Apply when insects or their damage appears. Use the lower rate on young plants. Repeat at intervals of 7 to 10 days or as necessary. Do not treat more often than once every 3 days.
Beans	Mexican bean beetle		1.25-1.5	3	Use lower rate on young plants.
	Flea beetles Leafhoppers		2.5		
	Lygus bugs Stink bugs		5.25-6.4		Apply for full coverage when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary.

CROPS	INSECT		LITRES OF SEVIN XLR/ HECTARE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Beets Broccoli Brussels sprouts Cabbage Carrots Cauliflower Celery	Flea beetles Leafhoppers		1.25 - 2.5	1 (carrots)	Spay in sufficient water for full coverage. Use the lower rate on young plants. Apply when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary. To avoid possible injury on lettuce, do not apply when foliage is wet or when rain or excessive humidity is expected during the next two days.
Chinese cabbage Dandelion Endive Horseradish Kale Kohlrabi Lettuce Mustard greens Parsley Parsnip Radishes Rutabagas Salsify Spinach Swiss chard Turnip Watercress	Armyworms Corn earworm Diamondback moth (larvae)	Imported cabbageworm Lygus bugs Meadow spittlebug Stinkbugs	2.5 - 5.25	3 (broccoli, Brussels sprouts, cabbage, cauliflower, celery, head lettuce & kohlrabi) 7 (beet roots, horseradish, radish, rutabaga root, salsify & turnip root) 14 (Beet tops, Chinese cabbage, dandelion, endive, kale, leaf lettuce, mustard greens, parsley, parsnip, salsify tops, spinach, Swiss chard, turnip top & watercress)	Apply for full coverage when insects or damage appears. Repeat at intervals of 7 to 10 days. To avoid possible injury on lettuce, do not apply when foliage is wet or when rain or excessive humidity is expected during the next two days.
Corn (field & sweet)	Corn earworm Northern corn rootworm adults European corn borer Fall armyworm Grasshoppers Cutworms (Climbing)		2.5 - 4.0 1.25 - 2.5 5.25	1	For larvae in whorls and for foliage feeders, treat the entire plant. Repeat as necessary. For insects attacking silks and ears, apply at intervals of 2 to 4 days starting when first silks appear and continuing until silks begin to dry. Three or more applications may be required depending on the severity of the infestation. Timing and good coverage are essential for effective control. Spray in 25-30 cm band over row. Use at least 220-275 litres of water per hectare.

CROP	INSECT	LITRES OF SEVIN XLR/ HECTARE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Cucumber Melons Pumpkins Squash	Cucumber beetles Cutworms (climbing) Flea beetles Leafhoppers Squash bugs	2.5	3	Apply for thorough coverage when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary. To avoid possible injury on tender foliage, do not apply when foliage is wet or when rain or excessive humidity is expected during the next two days.
Eggplant Pepper Potato Tomato	Colorado potato beetle Flea beetles Leafhoppers European corn borer Fall armyworm Tomato hornworm Tomato fruitworm Stink bugs Tarnished plant bug Cutworms (climbing)	1.25 2.5-5.25 5.25-6.4	1 (eggplant, pepper & tomato) 7 (potato)	Apply for full coverage when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary. Apply when insects or their damage appears. Use at least 225 to 275 litres of water per hectare. Spray in 25 to 30 centimetre band over the row.
Rapeseed	Flea beetles	0.5	Seedling Application Only	Foliar applications by air or ground to seedling plants. Applications may be made up to four weeks following plant emergence.
Snapbeans (such as: Common, Green, Yellow)	European corn borer	5.25	3	Apply after blossom when egg laying for second brood of corn borer begins. Repeat if needed at 7 day intervals. Use at least 10L finished spray for aerial application and at least 30L of finished spray/ha for concentrated ground application. Careful monitoring for eggs is essential for determining optimum time for spray treatment.
Tobacco	Tobacco flea beetle Cutworms Flea beetles Hornworms	150 to 175 millilitres in 33 litres spray volume per 100 sq. metres 5.25 2.0-2.75	0	IN PLANT BEDS Apply when insects or damage appears. POST-PLANT TREATMENT Apply in a 25 centimetre band over the row as a foliage spray. IN FIELDS Use 500 to 1000 litres spray volume per hectare. Use lower rate on young plants. Full coverage is essential. Begin treatment when larvae are small, repeat as needed. Avoid excessive application in bud of plant, as injury may result. If late applications are necessary, allow 3 days before priming or cutting.

TREE FRUIT CROPS

For dilute sprays apply the specified dosage per 1000 litres of water. For concentrate and aerial sprays increase the concentration of SEVIN XLR in the spray mixture to apply an amount per hectare equivalent to that in a dilute spray. The optimum spray volume will depend on tree size, density and stage of growth. Typical spray volumes per hectare range from 2000-3000 litres for dilute sprays, 300-1000 litres for concentrate sprays and 100-200 litres for aerial sprays. Do not exceed maximum label rate per hectare per application.

CROP	INSECT	LITRES OF SEVIN XLR/ 1000 LITRES	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Apples Pears	Apple leafhopper	Mealybug	1.2	7	To avoid undesirable apple thinning, delay use until at least 30 days after full bloom.
	Apple leafroller	Redbanded leafroller			
	Codling moth		2.3	7	Apply for full coverage as directed in your Provincial spray calendar. For optimum scale control apply when crawlers are present.
	Eyespotted bud moth	(1st brood)			
	Apple maggot	Plum curculio			For psylla control, apply when eggs hatch or when young nymphs are present. For optimum maggot control, apply at 10 day intervals.
	Eastern tent caterpillar	Redbanded leafroller			
	Fruittree leafroller	(2nd brood)			
	Green fruitworm	Rust mites			
	Pearleaf blister mite	Tarnished plant bug			
	Pear psylla	Tentiform leafminer			
Pear slug	Woody apple aphid				
Pistol casebearer					
Apricots Peaches	Cat-facing insects	Oriental fruit moth	2.3	3 (apricots)	Apply for full coverage in normal spray schedules. For lesser peachtree borer spray limbs and trunk thoroughly. For scale insects apply when crawlers are present.
	Codling moth	Peach silver mite			
	European earwig	Peach twig borer		1 (peaches)	
	European fruit lecanium	Plum curculio			
	Fruittree leafroller	Redbanded leafroller			
	Lesser peachtree borer	Scale insects			
Plums Cherries	Codling moth		1.7-2.0	1	Apply for full coverage in normal spray schedule.
	Eastern tent caterpillar				
	Oak leafhopper				For scale insects apply when crawlers are present.
	Prune leafhopper				
	Apple maggot	Lesser peachtree borer	2.3		For lesser peachtree borer thoroughly spray limbs and trunk area.
	Black cherry aphid				
	Cherry fruitfly	Mealy plum aphid			
	Cherry fruitworm	Peach twig borer			
	Eyespotted bud moth	Plum curculio			
	Fruittree leafroller	Redbanded leafroller			
	Scale insects				

SMALL FRUIT CROPS

Recommended dosages refer to litres of SEVIN XLR per hectare. The optimum spray volume will depend on plant size, density and stage of growth. Typical spray volumes per hectare range from 1000-3000 litres for dilute spray, 300-1000 litres for concentrate sprays and 100-200 litres for aerial sprays. Do not exceed maximum label rate per hectare per application.

CROPS	INSECT		LITRES OF SEVIN XLR/ HECTARE	PRE-HARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Blackberries Boysenberries Dewberries Loganberries Raspberries	Blackberry leafminer Japanese beetle Leafhoppers Leafrollers	Rose stem girdler Spotted winged raspberry aphid	5.25	7	Use 1000-2000 litres spray volume per hectare. Apply when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary.
Blueberries	Blueberry maggot Cranberry fruitworm Lecanium scale		4.0	1	Use 1200-1500 litres spray volume per hectare. Apply 3 weeks before harvest and repeat in 10 days or as necessary.
Cranberries	Blunt-nosed cranberry leafhopper Cranberry fruitworm	Cutworms (climbing) Fireworms	6.4-7.6	1	Use 3000 litres spray volume per hectare. Apply during late bloom. Repeat as necessary at intervals of 7 to 10 days.
Grapes	Grape berry moth Leafhoppers		5.25-6.4	3	Use 2000 litres spray volume per hectare. Apply for full coverage when insects or damage appears. Follow local government recommendations for proper timing.
Strawberries	Meadow spittlebug Strawberry leafroller		2.5-5.8	1	Use 1000 to 2000 litres spray volume per hectare. Apply when insects or damage appears. Repeat at intervals of 7 to 10 days or as necessary.

TREES AND ORNAMENTALS

For dilute spray ground applications to trees, ornamentals, woody plants and shrubs, apply the specified dosage per 1000 litres of water. For concentrate-spray ground applications, apply the specified dosage per hectare in sufficient spray volume to provide thorough coverage. To prepare small volumes of spray, use 12 millilitres of SEVIN XLR per 5 litres of water where rates of 2.3 litres are indicated.

CROPS	INSECT		LITRES OF SEVIN XLR/ 1000 LITRES	SPECIFIC DIRECTIONS
Arborvitae Azalea Birch Boxwood Carnation Chrysanthemum Dogwood Elm Gladiolus Holly Hydrangea Juniper Lilac Maple Oak Pines Rose Zinnia	Bagworm Birch leafminer Blackvine weevil (Taxus weevil) Blister beetles Boxelder bug Boxwood leafminers Cankerworms Cooley spruce gall aphid Eastern spruce gall aphid Elm leaf aphid Elm leaf beetle Elm spanworm Eriophyid mites Flea beetles Gypsy moth Japanese beetle June beetles Lace bugs	Leafhoppers Leafrollers Mealybugs Pine sawflies Plant bugs Psyllids Rose aphid Rose chafer Rose slug Scale insects Tent caterpillars Thrips (exposed) Webworms Willow leaf beetle	2.3-3.5	Spray in the early morning or evening. Repeat at intervals of 7 to 14 days. For scale insects, apply when crawlers are present. Some leaf injury may occur if treatments are made when tender foliage is wet or in the presence of prolonged high humidity. Do not use on Boston ivy, maidenhair fern or Virginia creeper.

MOUNTAIN PINE BEETLE CONTROL

For use on high value trees in urban and rural areas. To prepare small volumes of spray, use 1 litre of SEVIN XLR per 25 litres of water to make a spray mixture containing 2% active ingredients.

LITRES OF SEVIN XLR/1000 LITRES OF WATER	SPECIFIC DIRECTIONS
40	Effective as a preventative treatment only. Repeat annually as required to prevent beetle attacks. Avoid spraying when conditions favour drift from spray area. Apply one (1) litre of spray per one (1) square metre of bark in late May to early July or prior to beetle attack. Treat trunks from ground level up until trunk diameter is less than 12.5 centimetres.

LAWNS AND RECREATIONAL AREAS

CROP	INSECTS	SPECIFIC DIRECTIONS
Turf (ornamental and sports)	Ants Chinch bugs Climbing cutworms Earwigs Fall armyworm	Fleas Leafhoppers Millipedes Mosquitoes Sod webworms

POULTRY INSECT CONTROL

POULTRY	INSECT	SPECIFIC DIRECTIONS
Chickens Ducks Geese Partridges Pheasants Pigeons Turkeys	Lice Northern fowl mite And as a supplement to premise treatment for chicken mite, fleas, fowl tick	Use 1.2 litres of SEVIN XLR per 100 litres of water. Apply 4.5 litres of spray per 100 birds. Do not apply to poultry within 7 days before slaughter. Avoid contamination of nests, eggs, feed and water troughs.

POULTRY ROOSTS AND BUILDINGS

POULTRY QUARTERS	INSECT	SPECIFIC DIRECTIONS
Roosts and Buildings	Bed bugs Fleas Chicken mite	Use 1.2 litres of SEVIN XLR per 100 litres of water. Apply 5 to 10 litres of spray per 100 square metres of wall, litter or roost surface. Force into cracks and crevices. Repeat as needed. Do not apply to poultry or poultry nest litter within 7 days before slaughter. Avoid contamination of eggs, feed and water troughs. Ventilate during treatment.

LIVESTOCK INSECT CONTROL

LIVESTOCK	INSECT	SPECIFIC DIRECTIONS
Beef cattle Horses	Fleas Hornfly Lice Winter tick	Mix 1.2 litres SEVIN XLR in 100 litres of water (0.5% water suspension). Apply thoroughly to entire animal at rate of 4.5 litres of finished spray per head. Repeat as necessary, but not more often than twice weekly. For lice repeat at intervals of 14 to 18 days. Do not apply to livestock within 7 days before slaughter
Goats (non lactating) Sheep	Fleas Lice Winter tick	Mix 1.2 litres SEVIN XLR in 100 litres of water (0.5% water suspension). Apply thoroughly to entire animal at rate of 4.5 litres of finished spray per head. Repeat as necessary, but not more often than twice weekly. For lice repeat at intervals of 14 to 18 days. Do not apply to livestock within 7 days before slaughter
Hogs	Fleas Lice	Mix 1.2 litres SEVIN XLR in 100 litres of water (0.5% water suspension). Apply thoroughly to entire animal at rate of 4.5 litres of finished spray per head. Repeat as necessary, but not more often than twice weekly. For lice repeat at intervals of

14 to 18 days. Do not apply to livestock within 7 days before slaughter.

Dairy cattle

Fleas
Hornfly
Lice
Winter tick

Mix 1.2 litres SEVIN XLR in 100 litres of water (0.5% water suspension). Apply carefully along topline, sides and legs. Avoid direct application to underline and udder. Repeat if necessary, but not more often than twice weekly.
Do not apply before milking. Wash udder thoroughly before milking. Do not contaminate milking utensils. Do not apply to livestock within 7 days before slaughter.



SEVIN BRAND XLR
CARBARYL INSECTICIDE
LIQUID SUSPENSION
COMMERCIAL

GUARANTEE: Carbaryl.....43% by wt.
(Contains 480 Grams Carbaryl Per Litre)

THIS PRODUCT CONTAINS 0.3% OF FORMALDEHYDE WHICH HAS BEEN DETERMINED TO BE OF TOXICOLOGICAL CONCERN

REGISTRATION NO. 17027
PEST CONTROL PRODUCTS ACT



WARNING

POISON

READ THE LABEL AND BOOKLET BEFORE USING

Aventis CropScience Canada Co
295 Henderson Drive
Regina, Saskatchewan S4N 6C2
(306) 721-4500

GROUP	1A	INSECTICIDE
--------------	-----------	--------------------

IN CASE OF SPILLS, POISONING OR FIRE, TELEPHONE EMERGENCY
RESPONSE NUMBER 1-888-AVENTIS (283-6847) (24 HOURS A DAY)

NET CONTENTS: 10 L



and SEVIN are registered trademarks of the Aventis Group.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. HARMFUL IF INHALED OR SWALLOWED. Avoid breathing of spray mist. 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. AVOID CONTAMINATION OF FOOD, FEED, WATER SUPPLIES, STREAMS AND PONDS.

BEE CAUTION: This product is highly toxic to honey bees exposed to direct treatment on blooming crops or weeds. However, field studies have shown that SEVIN XLR Carbaryl Insecticide, while toxic to honey bees, is less hazardous than other carbaryl products when direct application to bees is avoided and the spray residues have dried. For maximum honey bee hazard reduction, apply SEVIN XLR Carbaryl Insecticide from late evening to early morning or when bees are not foraging. If application must be made during foraging periods, the following precautionary measures must be performed prior to treatment to minimize honey bee kill: notify beekeepers to: (1) confine the honey bees to the hive by covering the colony or screening the entrance; or (2) locate hives beyond honey bee flight range from the treated area. Precautionary measures may be discontinued after spray residues have dried.

Leafcutter bees are more sensitive to insecticides than honey bees. Carbaryl applications should be avoided where these bees are foraging.

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 XLR 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 soybeans.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or www.cropro.org/.

FIRST AID: Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention. If on skin or in eyes, flush with water. If swallowed, induce vomiting at once. Contact a physician or Poison Control Centre immediately. Get to a physician as quickly as possible.

TOXICOLOGICAL INFORMATION:

SEVIN XLR carbaryl insecticide is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal. Do not use 2-PAM, opiates or cholinesterase inhibiting drugs.

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 38°C. Do not contaminate water, food or feed by storage or disposal.

Recyclable Container Disposal:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer of municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Disposal of Unused, Unwanted Product:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.

+))