



GROUP	23	INSECTICIDE
-------	----	-------------

Container Label

VELANCOR

For control of certain insects on pome fruits, stone fruits, small fruits vine climbing (except fuzzy kiwifruit) and tree nuts (except almonds)

Insecticide

COMMERCIAL

ACTIVE INGREDIENT: spidoxamat*..... 75%
* present as potassium salt

Soluble Granule

REGISTRATION NO. 35866 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND ACCOMPANYING BROCHURE BEFORE USING

WARNING – EYE IRRITANT

Warning, contains the allergen sulfites
KEEP OUT OF REACH OF CHILDREN

NET CONTENTS : __ g

Product Information: 1-888-283-6847
www.cropscience.bayer.ca

Bayer CropScience Inc.
200-160 Quarry Park Boulevard S.E.
Calgary, Alberta T2C 3G3

In case of spills, poisoning or fire, telephone emergency response number 1-800-334-7577
(24 hours a day).

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN Causes eye irritation. DO NOT get in eyes. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, or using the toilet. If the product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder contaminated clothing regularly and separately from other laundry.

DO NOT apply in greenhouses.

DO NOT apply by air.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Inc. at 1-888-283-6847 or www.cropscience.bayer.ca

PERSONAL PROTECTIVE EQUIPMENT:

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and protective eyewear (goggles or face shield) during mixing, loading, clean-up and repair.

FIRST AID:

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

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

TOXICOLOGICAL INFORMATION:

Note to Physician: No specific antidote is available. Treat patient symptomatically

ENVIRONMENTAL PRECAUTIONS

Refer to the Environmental Precautions section of the booklet label for all environmental precautions and directions for use information.

STORAGE

Store this product away from food or feed. DO NOT store near any oxidizing agents or in direct sunlight.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides and fertilizers. Store in original container and keep tightly closed when not in use. Store out of the reach of children, preferably in a locked storage area.

DISPOSAL

For recyclable containers:

Disposal of container: 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 or 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 or territorial requirements.

Disposal of unused, unwanted product: For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for clean-up of spills.

For returnable containers:

Disposal of container: DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For non-recyclable / non-returnable containers:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial or territorial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial or territorial requirements.

VELANCOR is registered trademarks of Bayer.



GROUP	23	INSECTICIDE
-------	----	-------------

Booklet Label

VELANCOR

For control of certain insects on pome fruits, stone fruits, small fruits vine climbing (except fuzzy kiwifruit) and tree nuts (except almonds)

Insecticide
COMMERCIAL

ACTIVE INGREDIENT: spidoxamat* 75%

* present as potassium salt

Soluble Granule

REGISTRATION NO. 35866 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND THIS BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

WARNING – EYE IRRITANT

Warning, contains the allergen sulfites

NET CONTENTS : __ g

Product Information: 1-888-283-6847

www.cropscience.bayer.ca

Bayer CropScience Inc.
200-160 Quarry Park Boulevard S.E.
Calgary, Alberta T2C 3G3

In case of spills, poisoning or fire, telephone emergency response number 1-800-334-7577
(24 hours a day).

TABLE OF CONTENTS:

Section Number

GENERAL	Notices	1
INFORMATION,	The Product	2
SAFETY AND	Precautions and Personal Protective Equipment	3
HANDLING	First Aid and Toxicological Information	4
	Environmental Precautions	5
	Storage	6
	Disposal	7
DIRECTIONS FOR USE	Crops and Pests	8
	Application Instructions and Use Limitations	9
	Mixing and Tank Mix Instructions	10
	Pre-harvest Intervals	11
	Resistance Management Recommendations	12

GENERAL INFORMATION

Section 1: Notices

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

Section 2: The Product

VELANCOR is a soluble granule formulation. VELANCOR is fully systemic, moving through phloem and xylem to all plant tissues including new shoot, leaf and root growth. VELANCOR is active primarily by ingestion by immature insect life stages. Application should be timed to coincide with an early threshold level in developing insect populations. VELANCOR is to be applied as a soil application by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment.

SAFETY AND HANDLING

Section 3: Precautions and Personal Protective Equipment
--

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN Causes eye irritation. DO NOT get in eyes. Avoid contact with skin or clothing.. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, or using the toilet. If the product comes in contact with clothing, remove all contaminated clothing, wash skin with soap and water and dress in clean clothing. Launder contaminated clothing regularly and separately from other laundry.

DO NOT apply in greenhouses.

DO NOT apply by air.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Inc. at 1-888-283-6847 or www.cropscience.bayer.ca

PERSONAL PROTECTIVE EQUIPMENT:

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and protective eyewear (goggles or face shield) during mixing, loading, clean-up and repair.

Section 4: First Aid and Toxicological Information
--

FIRST AID:

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

If swallowed:	Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.
If in eyes:	Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
If inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

TOXICOLOGICAL INFORMATION:

Note to Physician: No specific antidote is available. Treat patient symptomatically

Section 5: Environmental Precautions

Toxic to non-target terrestrial plants.

Toxic to bees. This product is systemic and bees can be exposed to product residues in flowers, pollen and/or nectar resulting from soil applications. However, when used according to label directions, minimal exposure or risk is expected.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

Section 6: Storage

Store this product away from food or feed. DO NOT store near any oxidizing agents or in direct sunlight. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides and fertilizers. Store in original container and keep tightly closed when not in use. Store out of the reach of children, preferably in a locked storage area.

Section 7: Disposal

For recyclable containers:

Disposal of container: 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 or 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 or territorial requirements.

Disposal of unused, unwanted product: For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for clean-up of spills.

For returnable containers:

Disposal of container: DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For non-recyclable / non-returnable containers:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial or territorial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial or territorial requirements.

DIRECTIONS FOR USE

Section 8: Crops and Pests

Apply specified dosage of VELANCOR early in the infestation as the population begins to develop or at early threshold for the target insect pest. Apply higher dosages specified within the crop specific sections when applied as a preventive application, for moderate to heavy insect pressure, or

where longer residual control is desired. Degree of efficacy against labelled pests will be determined, in part, by the stage of pest development at application and infestation level of those pests.

VELANCOR must be applied when plants have developed active root to maximize uptake and systemicity of the active ingredient within treated plants; please contact your local Bayer CropScience representative for specific recommendations by crop.

POME FRUITS	
Crops of Crop Group 11-09 Including: Apple; azarole; crabapple; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties and/or hybrids of these.	
Pests Controlled	Product Rate (g/ha)
Aphids (except woolly apple aphid) Scales	135 – 270
Woolly apple aphid (suppression only)	270
Soil Applications: Apply specified dosage by chemigation into the root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent irrigation equipment.	
Soil Application Restrictions: Pre-Harvest Interval (PHI): 28 days. Minimum interval between applications: 14 days. Maximum number of VELANCOR applications per calendar year : 2 Maximum amount of VELANCOR allowed per calendar year: 540 g/ha (405 g a.i./ha) If applying spidoxamat as a soil and foliar application in the same year, the combination of 1 soil application and 1 foliar application of a spidoxamat-containing product is permitted: DO NOT apply more than a total of 300 g a.i./ha, spidoxamat. Always follow label directions. Higher rates should be used for moderate to heavy insect pressure or where longer residual control is desired.	

SMALL FRUITS VINE CLIMBING SUBGROUP (Except Fuzzy Kiwifruit)	
Crops of Crop Subgroup 13-07F Including: Amur river grape; gooseberry; grape; kiwifruit, hardy; maypop, Schisandra berry; cultivars, varieties and/or hybrids of these.	
Pests Controlled	Product Rate (g/ha)
Mealybugs	135 – 200
Aphids Scales	135 – 270
Soil Applications: Apply specified dosage by chemigation into the root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent irrigation equipment.	

Soil Application Restrictions:

Pre-Harvest Interval (PHI): 28 days.

Minimum interval between applications: 14 days.

Maximum number of VELANCOR applications per calendar year : 2

Maximum amount of VELANCOR allowed per calendar year: 540 g/ha (405 g a.i./ha)

If applying spidoxamat as a soil and foliar application in the same year, the combination of 1 soil application and 1 foliar application of a spidoxamat-containing product is permitted: DO NOT apply more than a total of 300 g a.i./ha, spidoxamat. Always follow label directions. Higher rates should be used for moderate to heavy insect pressure or where longer residual control is desired.

STONE FRUITS

Crops of Crop Group 12-09 Including: Apricot; apricot, Japanese; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; Jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach; plum, Canada; plum, cherry; plum, Chickasaw; plum, Damson; plum, Japanese; plum, Klamath; plum, prune; plumcot; sloe; cultivars, varieties, and/or hybrids of these.

Pests Controlled	Product Rate (g/ha)
Aphids Scales	135 – 270

Soil Applications:

Apply specified dosage by chemigation into the root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent irrigation equipment.

Soil Application Restrictions:

Pre-Harvest Interval (PHI): 28 days.

Minimum interval between applications: 14 days.

Maximum number of VELANCOR applications per calendar year : 2

Maximum amount of VELANCOR allowed per calendar year: 540 g/ha (405 g a.i./ha)

If applying spidoxamat as a soil and foliar application in the same year, the combination of 1 soil application and 1 foliar application of a spidoxamat-containing product is permitted: DO NOT apply more than a total of 300 g a.i./ha, spidoxamat. Always follow label directions. Higher rates should be used for moderate to heavy insect pressure or where longer residual control is desired.

TREE NUTS (Except Almonds)

Crops of Crop Group 14-11 Including: Beechnut; bur oak; butternut; chestnut; chinquapin; ginkgo; hazelnut (Filbert); heartnut; hickory nut; Japanese horse-chestnut; monkey puzzle nut; pecan; pine nut; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these.

Pests Controlled	Product Rate (g/ha)
-------------------------	----------------------------

Aphids Scales	135 – 270
Soil Applications: Apply specified dosage by chemigation into the root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent irrigation equipment.	
Soil Application Restrictions: Pre-Harvest Interval (PHI): 28 days. Minimum interval between applications: 14 days. Maximum number of VELANCOR applications per calendar year : 2 Maximum amount of VELANCOR allowed per calendar year: 540 g/ha (405 g a.i./ha) If applying spidoxamat as a soil and foliar application in the same year, the combination of 1 soil application and 1 foliar application of a spidoxamat-containing product is permitted: DO NOT apply more than a total of 300 g a.i./ha, spidoxamat. Always follow label directions. Higher rates should be used for moderate to heavy insect pressure or where longer residual control is desired.	

Section 9: Application Instructions and Use Limitations
--

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuarine/ marine habitats.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Chemigation Application Directions

Chemigation applications of VELANCOR may be made to crops through chemigation systems as specified in crop-specific application sections.

Apply this product only through low-pressure drip, trickle, micro-sprinkler or equivalent irrigation systems that can deliver the product into active root system of the target crop. DO NOT apply this product through any other type of irrigation system. Apply with nozzle height recommended by the manufacturer and centered on the root-zone of the crops. Avoid application to non-crop vegetation. Do not apply when wind speed causes non-uniform distribution and/or favors drift beyond the area intended for treatment. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If there are questions about calibration, contact provincial or territorial extension service specialists, equipment manufacturers or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Users must check with

provincial or territorial and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler or drip irrigation equipment.

Do not connect an irrigation system used for pesticide application to a public water system, unless the pesticide label prescribed safety devices for public water systems are in place. 'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), back flow preventer, or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an alternative to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. Pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The systems must contain functional interlocking controls, to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a 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.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. Apply pesticide continuously for the duration of the water application. For mixing instructions, please refer to directions in Section 11 of this label.

This product may be used through drip irrigation on crops where specified on this label. 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 back flow. With stationary systems, an effectively designed in-line Venturi applicator unit is preferred to support even and quick distribution. However, a positive-displacement pump can also be used. Mix desired amount of this product for area to be covered with water so that the total mixture of this product plus water in the injection tank is equal to the quantity of water used during calibration. Provide chemical supply tank agitation sufficient for mixing until chemigation is completed. Operate entire system at normal pressures recommended by the manufacturer of injection equipment used, for amount of time established during calibration. This product can be injected during the irrigation cycle or as a separate application. For drip irrigation systems, introduce insecticide into irrigation solution for a period sufficient to distribute the product uniformly in the crop. Insecticide should be added near the end of the normal irrigation cycle so that subsequent watering will not flush the product from the root zone. Stop injection equipment

with any system after treatment is completed and continue to operate irrigation system until this product has been cleared from the last drip irrigation line. See crops section on the label for recommended treatment rates and additional use information.

Section 10: Mixing and Tank Mix Instructions

VELANCOR must be applied with properly calibrated, clean equipment.

To insure uniform mixing of the insecticide in the water line, inject the mixture in the center of the pipe diameter or just ahead of an elbow or tee in the irrigation line so the turbulence created at those points will assist in mixing. The injection point must be located after all back-flow prevention devices on the water line unless the water is from a man-made self-contained source on private land.

If tank mixing with other pesticides follow the WAMLEGS [**W**ettable powders/flowable, **A**gitate, anti-foaming compounds/buffers, **M**icrocapsule suspension, **L**iquids and solubles, **E**mulsi~~f~~iable concentrates, **H**igh load **G**lyphosates, **S**urfactants] mixing order system:

- Add water soluble bags first
- Followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
- Prepare no more spray mixture than is required for the immediate spray operation.

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Bayer CropScience Inc. at 1-888-283-6847 or www.cropscience.bayer.ca for information before applying any tank mix that is not specifically recommended on this label.

Bayer CropScience Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application. To determine the physical compatibility of this product with other products, use a jar test.

Section 11: Pre-harvest Intervals

Crop	Pre-harvest interval (days)
------	-----------------------------

Pome fruits (Crop Group 11-09)	28
Stone fruits (Crop Group 12-09)	28
Small fruits vine climbing, except fuzzy kiwifruit (Crop Subgroup 13-07F)	28
Tree nuts (Crop Group 14-11), except almonds	28

Section 12: Resistance Management Recommendations

For resistance management, please note that VELANCOR contains a Group 23 insecticide. Any insect population may contain individuals naturally resistant to VELANCOR and other Group 23 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. 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 VELANCOR or other Group 23 insecticides with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that is effective on the target pest when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting and record keeping, and considers cultural, biological and other chemical control practices.
- Before applying VELANCOR, correctly identify the pest and ensure economic and agronomic thresholds are met as recommended by local provincial/territorial or IPM specialists.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For further information or to report suspected resistance contact Bayer CropScience via internet at www.cropscience.bayer.ca or phone 1-888-283-6847.

VELANCOR is a registered trademark of Bayer.