

GROUP	20D	ACARICIDE
--------------	------------	------------------

Acramite[®] 50WS Miticide

MITICIDE IN WATER SOLUBLE BAGS

Selective miticide for the control of a variety of mite pests on apples; grapes; fruiting vegetable Crop Group 8-09, cucurbits Crop Group 9; hops; stone fruit Crop Group 12; Crop Subgroup 13-07A: blackberry, loganberry, raspberry, wild raspberry; tree nuts Crop Group 14, including almonds, beechnuts, butternuts, chestnuts, chinquapins, filberts (hazelnuts), hickory nuts, pecans and walnuts; for seed production only on grass Crop Group 17 and non-grass Crop Group 18; mint; and herbs Crop Subgroup 19A.

COMMERCIAL

WETTABLE POWDER

GUARANTEE: bifenazate 50%
Warning, contains the allergen Sulfites

REGISTRATION NO: 27925
PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

CAUTION – EYE IRRITANT

DO NOT SELL WATER SOLUBLE BAGS SEPARATELY

NET CONTENTS: 454 grams
(2 x 227 g pouches)

Arysta LifeScience Canada Inc.
400 Michener Road, Unit 2
Guelph, ON N1K 1E4

FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL PROPHARMA:
1-866-303-6952 or +1-651-603-3432.

FOR 24-HOUR CHEMICAL EMERGENCY (Spills, leaks, fire, exposure or accident)
CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.

Product Information: 1-866-761-9397

GENERAL INFORMATION:

Selective miticide for the control of a variety of mite pests on apples; grapes; fruiting vegetable Crop Group 8-09, cucurbits Crop Group 9; hops; stone fruit Crop Group 12; Crop Subgroup 13-07A: blackberry, loganberry, raspberry, wild raspberry; and tree nuts Crop Group 14, including almonds, beechnuts, , butternuts, chestnuts, chinquapins, filberts (hazelnuts), hickory nuts, pecans and walnuts, for seed production only on grass Crop Group 17 and non-grass Crop Group 18, mint and herbs Crop Subgroup 19A. When used as directed and applied to the foliage, **Acramite® 50WS Miticide** provides quick knockdown through contact activity. **Acramite 50WS Miticide** is not systemic in action; therefore, complete coverage of both upper and lower leaf surfaces and of fruit is necessary for effective control.

DIRECTIONS FOR USE:

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) fine classification. Boom height must be 60 cm or less above the crop or ground.

Airblast Application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

DO NOT apply by air.

Buffer zones:

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands), and estuarine/marine habitats.

Method of Application	Crop		Buffer Zones (meters) Required for the Protection of:	
			Freshwater Habitat:	Estuarine/Marine Habitat:
Field Sprayer	Blackberry, Loganberry, Raspberry, Cucurbits, Wild raspberry, Fruiting vegetables, Mint, Herbs, Grass crop and non-grass crop (animal feed) for seed production only		1	1
Airblast Sprayer	Hops, Apples, Grapes, Tree nuts, Stone fruit	Early growth stage	2	3
		Late growth stage	2	2

For tank-mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank-mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank-mix partners.

Mixing Instructions:

Always reseal the outer bag in a manner that protects the remaining packets from moisture. Fill the spray-tank with 1/2 the desired amount of water. Then add the required number of water soluble bags of **Acramite 50WS Miticide** with agitation running to disperse the product. Then fill the tank with the remaining amount of required water.

Restrictions:

1. **Acramite 50WS Miticide** is a dry powder sealed within individual water-soluble pouches (WSP). Drop intact WSP directly into spray-tank. The pouches and pesticide will dissolve readily in water.
2. Do not allow the WSP to become wet prior to use. Do not handle individual WSP with bare hands or wet gloves as this may cause breakage.
3. If broken WSP are found within the overwrap bag, wear chemical-resistant gloves, goggles and a dust mask and dispose of broken WSP according to the DISPOSAL section.
4. Always reseal the overwrap bag to protect the remaining unused WSP.

APPLICATION USE RATES AND RECOMMENDATIONS:

To provide maximum control application should be made as soon as mites appear. When used as directed, **Acramite 50WS Miticide** is effective for the control of a variety of mite species, especially two spotted spider mites, European red mites, Pacific spider mites, and McDaniel spider mites. Note: It is not effective against rust mites. **Acramite 50WS Miticide** is primarily active on the motile stage of mites.

Crop	Mites Controlled	Number of Pouches per Hectare	Recommended Water Volume (L/ha)	Total Number of Sprays per Year	Earliest Harvest Days after Application (PHI Days)	Restricted Entry Interval (REI)
Apples	Two Spotted Spider Mite, McDaniel Spider Mite	568 g product / ha (284 g ai/ha). This rate is equivalent to 10 pouches/4 ha.	1000	1	7	12 hours
	European Red Mite	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.				
Grapes	Two Spotted Spider Mite	568 g product / ha (284 g ai/ha). This rate is equivalent to 10 pouches/4 ha.	1000	1	14	12 hours except 1 day for grapes when hand harvesting, tying, pruning, training, leaf pulling, thinning, and 5 days for grapes when cane turning, tying, girdling.
	European Red Mite	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.				
Stone fruit Crop Group 12; apricot, sweet cherry, tart cherry,	Two Spotted Spider Mite, European Red Mite, Pacific	851 g product/ha (426 g ai/ha). This rate is equivalent to 15 pouches/4ha.	Minimum of 1000L/ha. Ensure thorough coverage of all	1	7	12 hours

nectarine, peach, plum, Chickasaw plum, damson plum, Japanese plum, plumcot, prune	Spider Mite		leaf surfaces.			
--	-------------	--	----------------	--	--	--

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Arysta LifeScience Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion Program. Arysta LifeScience Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crops listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Arysta LifeScience Canada Inc. harmless from any claims based on efficacy or phytotoxicity in connection with the uses described below.

Crop	Mites Controlled	Number of Pouches per Hectare	Recommended Water Volume (L/ha)	Total Number of Sprays per Year	Earliest Harvest Days after Application (PHI Days)	Restricted Entry Interval (REI)
Hops	Two Spotted Spider Mite	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.	Minimum of 1000 L/ha. Ensure thorough coverage of all leaf surfaces.	1	14	12 hours, except 5 days for hops when stripping and/or training.
Fruiting vegetable Crop Group 8-09: African eggplant, currant tomato, eggplant, garden huckleberry, goji berry, groundcherry, okra, pea eggplant, bell pepper, nonbell pepper, scarlet eggplant, sunberry, tomatillo, tomato, cultivars, varieties and hybrids of these commodities	Two Spotted Spider Mite	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.	Minimum of 500 L/ha. Ensure thorough coverage of all leaf surfaces.	1	3	12 hours
Cucurbits, Crop Group 9; Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd, Momordica ssp., muskmelon, pumpkin, summer squash, winter squash, and watermelon	Two Spotted Spider Mite,	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.	Minimum of 500 L/ha. Ensure thorough coverage of all leaf surfaces.	1	3	12 hours

Crop Subgroup 13-07A: blackberry, loganberry, raspberry, wild raspberry	Two Spotted Spider Mite, McDaniel Spider Mite	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.	Minimum of 500 L/ha. Ensure thorough coverage of all leaf surfaces.	1	1	12 hours
*For Seed Production Only: Grass Crop Group 17 (including bluegrass, bromegrass and fescue)	Two Spotted Spider Mite	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.	<u>Minimum</u> of 250 L/ha. Ensure thorough coverage of all leaf surfaces. Include a registered nonionic surfactant at 0.25% v/v.	1	NA	12 hours
*For Seed Production Only: Non-grass Crop Group 18 (including alfalfa; clover; kudzu; lespedeza; lupin; sainfoin; trefoil; vetch; vetch, crown; vetch, milk)	Two Spotted Spider Mite	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.	<u>Minimum</u> of 250 L/ha. Ensure thorough coverage of all leaf surfaces. Include a registered nonionic surfactant at 0.25% v/v.	1	NA	12 hours
Tree Nuts, Crop Group 14: (including almonds, beechnuts, butternuts, chestnuts, chinquapins, filberts (hazelnuts), hickory nuts, pecans and walnuts)	Two Spotted Spider Mite	568 g product / ha (284 g ai/ha). This rate is equivalent to 10 pouches/4 ha.	1000	1	14	12 hours
	European Red Mite	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.				
Mint	Two Spotted Spider Mite	851 g product / ha (426 g ai/ha). This rate is equivalent to 15 pouches/4 ha.	Ensure thorough coverage of all leaf surfaces.	1	Mint =7 Basil = 3	12 hours
Crop Subgroup 19A (herbs)*						

*Angelica (*Angelica archangelica*), Balm (lemon balm) (*Melissa officinalis*), Basil (*Ocimum basilicum*), Borage (*Borago officinalis*), Burnet (*Sanguisorba minor*), Camomile (*Anthemis nobilis*), Catnip (*Nepeta cataria*), Chervil (dried) (*Anthriscus cerefolium*), Chive (*Allium schoenoprasum*), Chive, Chinese (*Allium tuberosum*), Clary (*Salvia sclarea*), Cilantro (leaf) (*Coriandrum sativum*), Costmary (*Chrysanthemum balsamita*), Culantro (leaf) (*Eryngium foetidum*), Curry (leaf) (*Murraya koenigii*), Dill (dillweed) (*Anethum graveolens*), Horehound (*Marrubium vulgare*), Hyssop (*Hyssopus officinalis*), Lavender (*Lavandula officinalis*), Lemongrass (*Cymbopogon citratus*), Lovage (leaf) (*Levisticum officinale*), Marigold (*Calendula officinalis*), Marjoram (*Origanum spp.*) (includes sweet or annual marjoram, wild marjoram or oregano and pot marjoram), Nasturtium (*Tropaeolum majus*), Parsley (dried) (*Petroselinum crispum*), Pennyroyal (*Mentha pulegium*), Rosemary (*Rosemarinus officinalis*), Rue (*Ruta graveolens*), Sage (*Salvia officinalis*), Savory, summer and winter (*Satureja spp.*), Sweet bay (bay leaf) (*Laurus nobilis*), Tansy (*Tanacetum vulgare*), Tarragon (*Artemisia dracuncululus*), Thyme (*Thymus spp.*), Wintergreen (*Gaultheria procumbens*), Woodruff (*Galium odorata*), Wormwood (*Artemisia absinthium*).

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that **Acramite 50WS Miticide** contains a Group 20D acaricide. Any mite population may contain individuals naturally resistant to **Acramite 50WS Miticide** and other Group 20D acaricides. The resistant individuals may dominate the mite population if this group of acaricides is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Ensure thorough spray coverage to all foliage and fruit.
- Where possible, rotate the use of **Acramite 50WS Miticide** or other Group 20D acaricides with different groups that control the same pests in a field.
- Acaricide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- 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.

PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN
2. Do NOT contaminate food or feed products.
3. May cause moderate eye irritation. Avoid contact with eyes or clothing.
4. Applicators and Other Handlers MUST WEAR: chemical-resistant gloves, long-sleeved shirt and long pants, shoes plus socks.
5. If pesticide is spilled on work clothing, remove immediately. Wash thoroughly and put on clean clothing.
6. Work clothing should be washed with detergent and hot water. Wash work clothing separately from other laundry.
7. Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

ENVIRONMENTAL HAZARDS:

1. This product may be harmful to beneficial predatory or parasitic arthropods. The best available application technique, which minimizes off-target drift, should be used to reduce effects on beneficial arthropods in the adjacent field.
2. This product is toxic to fish and other aquatic organisms.
3. Do not over spray aquatic systems including sloughs, ponds, prairie potholes, lakes, rivers, streams, and wetlands.

4. Do not contaminate these habitats when cleaning and rinsing spray equipment or containers.
5. Observe buffer zones specified under DIRECTIONS FOR USE.

FIRST AID:

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 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 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 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.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE AND DISPOSAL:

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed.

Store in a dry location and keep bag sealed.

DISPOSAL/DECONTAMINATION:

1. Make outer bag unsuitable for further use.
2. Do not reuse outer bag for any purpose.
3. Dispose of outer bag in accordance with provincial requirements.
4. 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 clean-up of spills.

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. The user assumes the risk to persons or property that arises from any such use of this product.

Arysta LifeScience and the Arysta LifeScience logo are registered trademarks of Arysta LifeScience Corporation.

Acramite is a Registered Trademark of Arysta LifeScience Canada Inc.