

2021-2220
2026-08-21

Container Label:

Captiva Prime®
INSECTICIDE / MITICIDE

COMMERCIAL
SOLUTION

READ THE LABEL AND BOOKLET BEFORE USE
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENTS

Capsaicin.....0.115%
Related capsaicinoids.....0.151%
Garlic oil.....23.40%
Canola oil.....55.0%

WARNING
POISON



SKIN IRRITANT
POTENTIAL SKIN SENSITIZER

REGISTRATION NO: 36051 PEST CONTROL PRODUCTS ACT

Net Contents: 1 L - Bulk

Gowan Company, L.L.C.
PO Box 5569
Yuma, AZ 85366-5569

Product Information: 1-800-960-4318

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Avoid breathing sprays. Causes skin and mucous membrane irritation. DO NOT get on skin. Potential skin sensitizer.

Personal Protective Equipment (PPE) by application scenario

Application equipment and engineering controls	Personal protective equipment	
	Mixer/Loader/Cleanup and Repair	Applicator
Aerial – Open-Cockpit	Coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	Coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.
Aerial – Closed-Cockpit	Same as above.	Long-sleeved shirt, long pants, socks and shoes.
Airblast – Open-Cab (except handheld airblast) and Overhead sprayers – Open-Cab	Same as above.	Coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and headgear ² .
Airblast – Closed-Cab ¹	Same as above.	Long-sleeved shirt, long pants, socks and shoes.
Groundboom – Open-Cab	Same as above.	Coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.
Groundboom – Closed-Cab ¹	Same as above	Long-sleeved shirt, long pants, socks and shoes.
Handheld equipment (including high-pressure hand wand but excluding handheld airblast) For overhead applications, see below.	Same as above	Coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.
Handheld equipment- Overhead and above the waist (including high-pressure hand wand but excluding handheld airblast)	Same as above	Coveralls, over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear, chemical-resistant headgear ² , protective

		eyewear (goggles or face shield), and a respirator with a NIOSH-approved organic-vapour-removing cartridge (with a prefilter) approved for pesticides OR a NIOSH-approved canister approved for pesticides.
Handheld airblast/mistblower equipment	Same as above	Chemical-resistant coveralls with a chemical-resistant hood over long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a respirator with a NIOSH-approved organic-vapour-removing cartridge (with a prefilter) approved for pesticides OR a NIOSH-approved canister approved for pesticides.

¹ A closed-cab provides both a physical barrier and respiratory protection (such as dust/mist filtering and/or vapour/gas purification system). The closed-cab MUST have a chemical-resistant barrier that totally surrounds the occupant and prevents contact with pesticides outside the cab. Chemical resistant gloves are not required in a closed-cab.

² Chemical-resistant headgear includes chemical-resistant Sou'Wester hat, chemical-resistant rain hat or large-brimmed waterproof hat and hood with sufficient neck protection

Restricted-Entry Interval (REI): DO NOT enter or allow worker entry into treated areas for 4 hours or until sprays have dried.

If early entry is required, workers MUST wear appropriate PPE as follows:

- **For early entry into treated areas when aerial, airblast (except handheld airblast), and all overhead sprayer application was made, workers are required to wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and headgear.**
- **For early entry into treated areas when ground boom application was made, workers are required to wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.**
- **For early entry into treated areas for all other methods of applications, workers are required to wear PPE specific for the method of application.**

DO NOT enter or allow people (or pets) to enter the treated area until sprays have dried.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

DO NOT allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system.

DO NOT eat, drink or smoke/vape while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, using the toilet or handling mobile devices. Aircraft cockpit and vehicle cabs MUST be decontaminated regularly.

If the product comes in contact with clothing/PPE, remove all contaminated clothing/PPE, wash the outside of gloves with soap and water before removing, wash contaminated skin with soap and water, and then dress in clean clothing. Launder contaminated clothing/PPE regularly and separately from other laundry. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. DO NOT reuse them.

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 on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center 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.
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.
HOT LINE NUMBER	
Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention. For product information call 1-800-960-4318 or visit our website at www.gowanco.com . In case of emergency involving a major spill, leak or fire call Chemtrec® at 1-800-424-9300. For medical emergencies, call 1-888-478-0798.	

ENVIRONMENTAL PRECAUTIONS

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.

STORAGE

Store this product away from food or feed. Store product in original container only.

DISPOSAL

Recyclable Containers:

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.

Returnable Containers:

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

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.

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.

CAPTIVA® is a registered trademark used under license by Gowan Company, L.L.C.
Chemtrec® is a registered trademark of American Chemistry Council, Inc.

Booklet Label

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DIRECTIONS FOR USE

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.

DO NOT allow releases, effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Read all Directions for Use carefully before applying.

USE INFORMATION

CAPTIVA PRIME is an insecticide and miticide formulated using concentrated plant extracts that can be used alone or in tank mixes with other biological or conventional insecticides or miticides.

Read all directions before using this product. Refer to the Insecticidal and Miticidal Uses Section for a complete listing of crops.

Preharvest interval: The harvest of crops treated with Captiva Prime is permitted on the day of application.

MIXING AND APPLICATION

GROUND APPLICATIONS: CAPTIVA PRIME provides suppression of adult and immature stages of twospotted spider mite and thrips

- Apply with ground spray equipment.

- This product must come into contact with the targeted pests to be effective. For best results, coverage typically requires a minimum of 100 Litres of total spray volume per hectare. Higher volumes will be required for larger perennial crops.
- For best preventive results, this product **MUST** be applied at least once a week on a regular and continuous basis.
- When pest pressure is heavy or plant canopy is dense, use higher rates and increase spray frequency. Repeat application if measurable rain occurs within two to three hours of spraying.

Field sprayer application: DO NOT apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. DO NOT apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) Medium classification. Boom height must be 60 cm or less above the ground or crop.

Airblast application: DO NOT apply when wind speed is less than 1 km/h. 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.

AERIAL APPLICATIONS: Apply CAPTIVA PRIME uniformly with properly calibrated equipment in 20 to 150 Litres of water per hectare. Thoroughly clean equipment prior to mixing spray solution. Repeat application if rain occurs before the product is dry.

Conventionally piloted aircraft application: DO NOT apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. DO NOT apply when wind speed is greater than 16 km/h at flying height at the site of application. DO NOT apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) Medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Apply only by 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 specified for aerial application on this label. Where no rate for aerial application appears 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 or a Global Positioning System (GPS).

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 National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Product Specific Precautions: Read and understand the entire label before opening this product. If you have questions, call the registrant at 1-800-960-4318 or obtain technical advice from the distributor or your provincial or territorial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply the specified rate in a minimum spray volume of 20 litres per hectare for conventionally piloted aircraft.

MIXING:

- Shake well before using. Add required amount of CAPTIVA PRIME to a clean spray tank with at least one-half of the water to be sprayed.
- Agitate the mixture thoroughly, add other products and then fill the tank with the remaining water and continue agitation.
- Always use this product promptly after mixing with water and do not let tank mix sit for more than 6 hours.
- Use water with a pH less than 8 for dilution.
- CAPTIVA PRIME has been found to be compatible with most commonly used pesticides. To avoid problems, conduct a compatibility test before using this product in a tank mix with other pesticides. To test for compatibility, mix a small amount of each product, in the appropriate proportions, in a small jar.

PHYTOTOXICITY: CAPTIVA PRIME has been evaluated for phytotoxicity on a wide range of crops and ornamentals. However, since testing on all varieties of all crops and ornamentals is not feasible, testing a small portion of the area to be treated for phytotoxicity is recommended before treating the entire area. Further, all possible combinations or sequences of pesticide sprays, including other fertilizers, surfactants, adjuvants and other pesticides, have not been tested, thus testing for phytotoxicity of spray mixtures is recommended. It is further recommended that spray equipment used to apply CAPTIVA PRIME be thoroughly cleaned before use. Highly alkaline products can cause unacceptable phytotoxicity and/or reduced effectiveness on target pests. Avoid tank mix combinations of CAPTIVA PRIME with compounds known to be incompatible with an oil-based formulation to prevent phytotoxicity. 'Waxy bloom' on certain crops and ornamental plants may be reduced after a CAPTIVA PRIME application.

INSECTICIDAL AND MITICIDAL USES

Use CAPTIVA PRIME as a foliar spray when pest pressure is low or use as a preventative management tool or integrated pest management system.

TARGETED PESTS: Use CAPTIVA PRIME in a foliar spray to suppress the following soft bodied pests:

- Twospotted Spider Mite (*Tetranychus urticae*)
- Thrips (*Thrips* spp., *Thrips tabaci*, *Frankliniella* spp.)

AGRICULTURE (FIELD)

GROUP	CROPS
BERRIES	Blackberry, Blueberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Raspberry (black and red), Strawberry
BULB VEGETABLES	Garlic, Leek, Onion (dry bulb, green and Welch), Shallot
CUCURBIT VEGETABLES	Chayote, Chinese waxgourd, Citron melon, Cucumber, Gherkin, Gourd (edible), Muskmelon, Pumpkin, Squash (summer and winter), Watermelon
FRUITING VEGETABLES	Eggplant, Groundcherry, Pepino, Pepper (including bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, Tomato
HERBS GROUP	Angelica, Balm (lemon balm), Basil, Borage, Burnet, Chamomile, Caraway, Catnip, Chervil (dried), Chive, Chinese Chive, Clary, Coriander/Cilantro/Chinese Parsley (leaf), Costmary, Curry (leaf), Dill (Dillweed), Fennel (Florence), Fenugreek, Horehound, Hyssop, Lavender, Lemongrass, Lovage (leaf), Marigold, Marjoram, Nasturtium, Parsley (dried), Pennyroyal, Rosemary, Sage, Savory (summer and winter), Sweet Bay (bay leaf), Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood
SPICES GROUP	Caper buds, Caraway (black), Celery seed, Cumin, Dill (seed), Juniper berry, Lovage (seed), Mustard (seed), Poppy (seed), Rue, Saffron
LEGUME VEGETABLES	Bean, Broad Bean, Chickpea, Guar, Jackbean, Lablab bean, Lentil, Pea, Pigeon Pea, Soybean, Sword bean

LEAFY VEGETABLES	Chinese Amaranth, Leafy Amaranth, Arugula, Broccoli raab (rapini), Chinese Cabbage (bok choy), Chinese mustard Cabbage (gai choy), Chervil, Chrysanthemum (edible-leaved, Garland), Collards, Corn salad, Cress (garden, upland), Dandelion, Dock (sorrel), Endive (escarole), Kale, Lettuce (head and leaf), Mizuna, Mustard Greens, Orach, Parsley, Purslane (garden, winter), Radicchio (red chicory), Rape Greens, Spinach, Spinach (New Zealand, vine), Swiss Chard, Turnip Greens
BRASSICA HEAD AND STEM VEGETABLES	Broccoli, Brussels Sprouts, Cabbage, Chinese Cabbage (napa), Cauliflower, Cavalo broccoli, Chinese Broccoli (gai lon), Mustard Spinach
STALK, STEM, AND LEAF PETIOLES	Cardoon, Celery, Chinese Celery, Fennel (Florence), Kohlrabi, Rhubarb, Celtuce
POME FRUITS	Apple, Crabapple, Loquat, Mayhaw, Quince, Oriental Pear, or Pear
ROOT AND TUBER VEGETABLE	Arracacha, Arrowroot, Artichoke (Jerusalem, Chinese), Beet (garden, sugar), Burdock (edible), Canna (edible), Carrot, Cassava (bitter and sweet), Celeriac (celery root), Chayote (root), Chervil, (turnip-rooted), Chicory, Chufa, Dasheen (taro), Ginger, Ginseng, Horseradish, Leren, Oriental Radish (daikon), Parsley (turnip-rooted), Parsnip, Potato, Radish, Rutabaga, Salsify (oyster plant, black, Spanish), Skirret, Sweet potato, Tanier, Turmeric, Turnip, Yam bean (jicama, manioc pea), Yam (true)
STONE FRUIT	Apricot, Cherry (sweet and tart), Nectarine, Peach, Plum (Chickasaw, Damson, Japanese), Plumcot, Prune
TREE AND NUT	Almond, Beech nut, Butternut, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Pecan, Walnut (black and English), Pistachios

GREENHOUSE

PRODUCTION TYPE	CROPS
GREENHOUSE VEGETABLE PRODUCTION	Tomatoes, cucumbers, leaf and Bibb lettuces, bell peppers, eggplant, herbs (Angelica, Balm (lemon balm), Basil, Borage, Burnet, Chamomile, Caraway, Caraway (black), Catnip, Celery seed, Chervil (dried), Chive, Chinese Chive, Clary, Coriander (cilantro or Chinese parsley – leaf), Coriander (cilantro-seed), Costmary, Cilantro (leaf and seed), Curry (leaf), Dill (Dillweed and seed), Fennel (common, Florence), Fenugreek, Horehound, Hyssop, Lavender, Lemongrass, Lovage (leaf and seed), Marigold, Marjoram, Mustard (seed), Nasturtium, Parsley (dried))

TRANSPLANT VEGETABLE PRODUCTION	Brassicas (Brussels Sprouts, Cauliflower, Cavalo broccoli, Chinese Broccoli (gai lon), Kohlrabi, Mustard Spinach), cucumbers, eggplants, melons, onion, peppers, squash
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ORNAMENTAL (Herbaceous and Woody) Growing Outdoors, in Nurseries or in Greenhouses

GROUP	CROPS
ORNAMENTAL SHRUBS AND PLANTS	Amaranthus, Aster, Azalea, Ferns, Fuchsias, Caladium, Carnation, Chrysanthemum, Dahlia, Daisy, Lilies, Ivy, Ficus, Gardenia, Impatiens, Iris, Jasmine, Lilac, Marigold, Philodendron, Poinsettia, Rose, Zinnia
ORNAMENTAL TREES	Ash, Birch, Dogwood, Elm, Maple, Oak

AGRICULTURAL USE RATES

Agricultural crops grown in the field:

- For suppression of twospotted spider mite and thrips, apply 1.2 - 2.4 Litres of CAPTIVA PRIME per hectare. For ground application, apply diluted product in a minimum of 100 L spray volume per hectare. For aerial applications, apply diluted product in a spray volume of 20 to 150 L water per hectare. Apply by spraying every 4 -7 days, when used as a preventative management tool or in an integrated pest management system.
- When pest pressure is heavier or canopy is dense, use higher rates.

GREENHOUSE AND ORNAMENTAL USE RATES

- For suppression of twospotted spider mite and thrips, apply 1.2 – 2.4 Litres of CAPTIVA PRIME per hectare diluted in 378 Litres water per hectare and apply by spraying every 4 – 7 days when used as a preventative management tool or in an integrated pest management system.
- When pest pressure is heavier or canopy is dense, use higher rates.

TANK MIXING

This product may be tank mixed with a fertilizer, 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 Gowan Company at 1-800-960-4318 for information before applying any tank mix that is not specifically recommended on this label.

STORAGE

Store this product away from food or feed. Store product in original container only.

DISPOSAL

Recyclable Containers:

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:

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