

2024-1805
2024-06-04

GROUP	17	INSECTICIDE
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GOVERNOR 75WP

INSECTICIDE

COMMERICAL - AGRICULTURAL

WETTABLE POWDER

For control of listed insects on listed crops.

ACTIVE INGREDIENT:

Cyromazine 75%

READ THE LABEL BEFORE USING

CAUTION



POISON

"One Water Soluble Bag" contains 908 grams of GOVERNOR™ 75WP.

Do not allow the water soluble bags to become wet prior to use. Do not handle individual water soluble bags with bare hands or wet gloves as this may cause breakage. (as the water soluble bags will begin to dissolve immediately). Store above freezing in a dry location. Prolonged storage at temperatures below 0 degrees Celsius may cause the water soluble bag to become brittle.

REGISTRATION NO.: **24464**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **908 grams**

Gowan Company, L.L.C.
P.O. Box 5569
Yuma, AZ 85366-5569
1-800-960-4318

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.

FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. 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 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.

For medical emergencies call 1-888-478-0798

TOXICOLOGICAL INFORMATION

Treat symptomatically.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes or prolonged contact with skin or clothing. Avoid inhalation of dust. Causes moderate eye irritation.

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.

Handling of Water-soluble pouch (WSP): If broken water soluble bags are found within the overwrap bag, wear chemical-resistant gloves, goggles and a dust mask and dispose of broken water soluble bags according to the **DISPOSAL** section.

Do not open water soluble bags or attempt to remove the contents from them. The contents are not designed to be re-measured or subdivided.

Restricted-Entry Intervals (REIs): DO NOT enter or allow worker entry into treated areas during the intervals specified in the following table:

Crop	Postapplication activity	REI and/or PHI
Potatoes	Irrigation (handset)	18 days
	Roguing	14 days
	Harvesting	14 days
	All other activities	12 hours
Dry bulb onions	Harvesting	100 days
Green onions	Harvesting	60 days

Avoid inhalation of vapours/dust and spray mist, and working in spray mist.

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Read and follow all tank mix partner labels and observe the most stringent label restrictions, precautions and instructions for each tank mixture.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Gowan Company at 1-800-960-4318.

PERSONAL PROTECTIVE EQUIPMENT

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair.

When handling more than 38.2 kg of product per person per day, a closed cab tractor is required during application. Gloves are not required during application within a closed cab.

When handling or planting treated seed wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Planting must be done using a closed cab system. Gloves are not required during application within a closed cab.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

While using product, do not eat, drink or use tobacco (including smoking).

ENVIRONMENTAL PRECAUTIONS

TOXIC to non-target terrestrial plants, aquatic organisms and small wild mammals. Observe buffer zones specified under DIRECTIONS FOR USE.

Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

Toxic to bees. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to the evening when most bees are not foraging. Avoid applications when bees are foraging in the treatment area in ground cover containing blooming weeds. To further minimize exposure to pollinators, refer to the complete guidance "Protecting Pollinators during Pesticide Spraying – Best Management Practices" on the Canada.ca website (www.canada.ca/pollinators).

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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 strip between the treated area and the edge of the water body.

Treated seed is toxic to birds and small mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

The residues of cyromazine (melamine) are persistent and may carryover. It is recommended that any products containing cyromazine not be used in areas treated with this product during the previous season.

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.

USE RESTRICTIONS

1. GOVERNOR 75WP treated seed is for the control of onion maggot on dry bulb and green onions in Eastern Canada only
2. Treated seed must not be used for food, feed or oil processing.
3. Store away from food, feed, and out of the reach of children and animals.
4. Seed onions treated with cyromazine may not be planted in the same field in successive years. Cyromazine has the potential to persist in soil and to carryover into the subsequent year.
5. "All containers or packages containing treated seed for sale or use in Canada must be labeled or tagged as follows: **Do not use for food, feed or oil processing. This seed has been treated with cyromazine. When handling or planting treated seed wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Planting must be done using a closed cab system. Gloves are not required during application within a closed cab. Store away from food and feedstuffs. Keep out of reach of children and domestic animals. Do not contaminate food, feed or domestic water supplies. Follow rotational crop restrictions as outlined in Section 11.4 of the product label. Treated seed is toxic to non-target terrestrial plants, birds, aquatic organisms and small wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned up.**"

STORAGE

Store this product away from food or feed.

Store in a cool, dry area above freezing. Do not remove the water-soluble pouches from container except for immediate use.

DISPOSAL

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.

1. When all the water-soluble bags are used, make the empty outer package unsuitable for further use.
2. Dispose of the outer package in accordance with provincial requirements.

PRODUCT INFORMATION

GOVERNOR 75WP is an insect growth regulator (IGR), active against early larval stages of the Colorado potato beetle. When applied to first generation Colorado potato beetle larvae according

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to the directions given below, GOVERNOR 75WP will provide control by inhibiting the development of larval stages. GOVERNOR 75WP is active on Colorado potato beetle larvae that are resistant to currently available chemistry (e.g. synthetic pyrethroid or organophosphate insecticides).

Life Cycle of the Colorado Potato Beetle:

The Colorado potato beetle overwinters as an adult in the soil, emerging in the spring to mate and lay eggs on the undersides of potato leaves. These eggs hatch to first instar larvae over a period of up to three weeks. Larvae of the Colorado potato beetle pass through four instar stages, each instar larger and causing more defoliation than the previous. Fourth instar larvae drop to the soil to pupate, later emerging as an adult of the second generation.

Integrated Pest Management:

Under conditions in which the early adults emerge in a strong flush, the use of cultural, physical, or chemical control methods may be used to reduce their numbers and, in turn, reduce the number of eggs laid on the potatoes.

Subsequent control measures directed against larval stages of the Colorado potato beetle form the basis of most management programs. This is effectively accomplished with TWO PROPERLY TIMED applications of GOVERNOR 75WP, targeted against the early larval stages of the first generation of the season. Proper application timing can be achieved by regular and frequent crop scouting. Please refer to the Directions For Use section of the label for specific application instructions. The use of GOVERNOR 75WP will give control of the Colorado potato beetle through the first generation and result in a significant reduction in the population of any subsequent generations.

GOVERNOR 75 WP has excellent contact and feeding "systemic" action against the 1st and 2nd instar larvae of Colorado potato beetle. The larvae stop feeding immediately after the uptake of GOVERNOR 75 WP and do not develop any further.

DIRECTIONS FOR USE

General Information

To protect pollinators, follow the instructions regarding bees in the Environmental Precautions section.

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.

Toxic to bee brood. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period.

Do not apply by air.

Water-Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs.

Ground Application

General Information

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 S572.1) medium 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.

Handling Instructions

Follow these steps when handling pesticide products in WSPs:

1. Mix in spray tank only.
2. Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on a minimum of coveralls, chemical-resistant gloves, chemical-resistant footwear, and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested and then continue with mixing instructions.
3. Keep the WSP(s) in outer packaging until just before use.
4. Keep the WSP dry prior to adding to the spray tank.
5. Handle with dry gloves and according to the label instructions for PPE.
6. Keep WSP intact. Do not cut or puncture WSP.
7. Reseal the WSP outer packaging to protect any unused WSP(s).

Mixing Instructions

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products. All other directions for use of all tank mixed products should be followed provided they do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
3. Stop adding water and stop any agitation.
4. Place intact/unopened WSP(s) into the tank.
5. Do not spray water from a hose or fill pipe to break or dissolve the WSP(s).
6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
7. Dissolving the WSP(s) may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
8. Stop agitation before tank lid is opened.
9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
11. Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
12. Use the spray solution when mixing is complete.
13. Maintain agitation of the diluted pesticide mix during transport and application.
14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

Spraying Instructions

1. **Water Volume:** Apply in a minimum spray volume of 100 L/ha or as directed in the crop and pest specific instructions below, whichever is LARGER. Appropriate water volumes aid good coverage.
2. **Spray Nozzles:** 80° or 110° drift reducing flat fan (e.g. those with a pre-orifice or turbulence chamber) or air induction nozzles are recommended. Do not use flood type nozzles, controlled droplet application equipment, spray foils or hollow cone nozzles.
3. **Pressure:** As recommended by the nozzle manufacturer to achieve no smaller than ASABE medium sized droplets.
4. Apply at uniform speed and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from over application.

Equipment Clean-Up

Before Spraying:

- Prior to using GOVERNOR 75WP, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow GOVERNOR 75WP residue to dry within the spray tank.
- When using tank mixes, consult the tank-mix partner label for additional clean-up instructions.
- The following recommendations are provided:
 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean the sprayer near desirable vegetation, wells or other water sources.
 2. Remove all nozzles and screens and wash separately.
 3. Dispose of all rinsate in accordance with provincial regulations.

Buffer Zone

Spot treatments using hand-held equipment do not require a buffer zone.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:		
		Freshwater Habitat of Depths:		Terrestrial Habitat:
		Less than 1 m	Greater than 1 m	
Field sprayer	All crops	1	1	1

Rotational Crop Restrictions

Potato fields treated with Governor 75WP may only be rotated with the following crops: head lettuce, leaf lettuce, celery, spinach, tomatoes, peppers, melons, cucumbers, hay, wheat, barley or oats.

Crop, Crop Group, or Crop Subgroup	Plant-back Interval
Head lettuce, leaf lettuce, celery, spinach, tomatoes, peppers, cucumbers, melons.	1 day
Hay, wheat, barley, and oats	300 days

CROP USE DIRECTIONS

Potatoes

INSECT GROWTH REGULATOR FOR THE CONTROL OF LARVAL STAGES OF COLORADO POTATO BEETLE ON POTATOES IN ONTARIO, QUEBEC AND ATLANTIC CANADA ONLY

Rate of Application

First Application:

Apply at rate of 373 grams of GOVERNOR 75WP in a minimum of 110 L of water per hectare as a foliar spray. One water soluble bag treats 2.5 hectares (6 acres).

Second Application:

Apply at a rate of 186 grams of GOVERNOR 75WP in a minimum of 110L of water per hectare as a foliar spray. One water soluble bag treats 5 hectares (12 acres).

Timing of Application

Target TWO applications of GOVERNOR 75WP against small Colorado potato beetle larvae of the first generation of the season. Frequent field scouting is important to identify the development stages of Colorado potato beetle and the larval population levels.

First Application:

Apply GOVERNOR 75WP when 30% of eggs of the first generation have hatched and small larvae are observed.

A suggested scouting technique is as follows:

Locate and mark 20 (or more) plants with egg masses

Monitor the egg masses on the marked plants daily

When 6 of 20 egg masses have hatched (or 30% of the number used), apply GOVERNOR 75WP.

In warm conditions (>24 °C) eggs will hatch quickly and the percent of egg masses hatched can change significantly in one day. In these conditions, it is recommended that 10% egg hatch be used as the timing for the first application.

Second Application:

The second application is necessary to provide lasting control through the first generation of Colorado potato beetle. Apply GOVERNOR 75WP 6-10 days after the first application. Use the shorter re-spray interval (6-7 days) during periods of rapid larval development (>24 °C).

Do not apply within 14 days of harvest.

Cyromazine has the potential to persist in soil and to carry-over into the subsequent year. Use of Governor 75WP on the same field in consecutive years should be avoided.

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Dry Bulb and Green Onion

FOR THE IMPORTATION OF GOVERNOR 75WP-TREATED DRY BULB AND GREEN ONION SEEDS INTO CANADA ONLY.

NO SEED TREATMENTS ARE TO BE CONDUCTED IN CANADA.

GOVERNOR 75WP treated seed is for the control of onion maggot on dry bulb and green onions in Eastern Canada only.

All Seed Packaging Labels containing seed treated with GOVERNOR 75WP must contain the following statements:

“GOVERNOR 75WP treated seed is for the control of onion maggot on dry bulb and green onions in Eastern Canada only.”

Do not use for food or feed. This seed has been treated with 66.7 g GOVERNOR 75WP (50 g cyromazine) per kg seed, Registration No. 24464, Pest Control Products Act.

For the Canadian importation of Governor 75WP-treated seeds only. No seed treatments are to be conducted in Canada.

Treated seeds may only be planted in muck soils of Eastern Canada only.

Seed onions treated with cyromazine may not be planted in the same field in successive years.

Cyromazine has the potential to persist in soil and to carryover into the subsequent year.

PHI green onions 60 days. PHI Dry bulk onions 100 days.”

Rate of Use

Apply 66.7 grams product (50 g ai) per kg of seed.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that GOVERNOR 75WP contains a Group 17 insecticide. Any insect population may contain individuals naturally resistant to GOVERNOR 75WP and other Group 17 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same field. 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:

Where possible, rotate the use of GOVERNOR 75WP or other Group 17 insecticides with different groups that control the same pests in a field.

Avoid application of more than the maximum number listed in the label and consecutive sprays of GOVERNOR 75WP or other insecticides in the same group in a season.

Use tank mixtures with insecticides from a different group when such use is permitted.

Insecticide 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.

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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 Gowan Company at 1-800-960-4318 or at www.gowanco.com.