

CITATION™ 75WP

COMMERCIAL

INSECTICIDE

Wettable powder for control of leafminer and fungus gnats in greenhouse ornamentals and sciarid flies in mushrooms.

GUARANTEE:

Cyromazine..... 75%

**READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

The CITATION 75WP inside the foil pouch is packaged in 6 "Water Soluble Bags". Each water soluble bag contains 75 grams of CITATION 75WP.

Do not touch water soluble bags with wet gloves as they will dissolve. Do not open water soluble bags.

Re-seal foil pouch if any water soluble bags are left inside.

REGISTRATION NO.: **24465**

PEST CONTROL PRODUCTS ACT

CAUTION



POISON

WARNING:
EYE AND SKIN IRRITANT
POTENTIAL SKIN SENSITIZER

DO NOT SELL THE WATER SOLUBLE BAGS INDIVIDUALLY

Novartis Crop Protection Canada Inc.

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Guelph, ON

N1G 4Z3

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence 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.

FIRST AID:

If swallowed, call a physician or Poison Control Centre immediately. Give a large quantity of medicinal charcoal in a large quantity of water. Note: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Do not induce vomiting. Keep patient prone and quiet. Transport the patient immediately to the nearest physician.

If spilled on skin, remove all contaminated clothing and thoroughly wash skin with soap and water. If irritation occurs, obtain medical attention.

If in eyes, flush with copious amounts of clean water. Obtain medical attention.

If inhaled, move to fresh air.

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

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. When mixing, loading or applying the product wear water-tolerant coveralls (eg. TYVEK) over long-sleeve shirt and long pants, boots and rubber gloves. Greenhouse growers should wear gloves when handling treated crops.

Do not eat, drink or smoke while mixing or during application. Change and wash clothing after use. Wash hands and face before eating, drinking, smoking or using the toilet. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse.

Avoid contamination of food and feed, domestic or irrigation water supplies, lakes, streams and ponds. Use only on labelled crops. Do not reuse foil pouch; destroy when empty.

STORE IN A DRY PLACE.

Re-Entry Period:

Do not re-enter treated areas within 12 hours following application.

PRODUCT DECONTAMINATION AND DISPOSAL:

1. After the foil pouch is empty, make it unsuitable for further use by punching holes in it.
2. Dispose of the foil pouch in accordance with provincial requirements.
3. For information on the disposal of unused, unwanted product, and the cleanup of spills, contact the provincial regulatory agency or the manufacturer.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-267-6351***

NOTE TO BUYER/USER:

All uses for this product were developed by persons other than Novartis Crop Protection Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Novartis Crop Protection Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crops listed on this label. Accordingly, the Buyer and User assume all liability arising, and agree to hold Novartis Crop Protection Canada Inc. harmless, from any claims based on efficacy and/or phytotoxicity in connection with the uses described on this label.

GENERAL INFORMATION:

CITATION 75WP is an insect growth regulator type of insecticide to control leafminers and fungus gnats in greenhouse ornamentals and sciarid flies in mushrooms. When applied according to the directions given below, CITATION 75WP will provide control of leafminers, fungus gnats and sciarid flies by inhibiting the larval stages of this pest. CITATION 75WP may adversely affect some species of predatory mites and leafminer parasitoids. Use with caution in a pest management program utilizing these beneficial arthropods.

Greenhouse Ornamentals - Spray Schedule														
INSECT	RATE/HA	REMARKS												
Leafminer	188 grams of product/ha; (1 water soluble bag per 400 L of water per 0.4 ha)	Apply as a foliar spray to runoff: Use 75 grams of product (1 water soluble bag) per 400 L of water per 0.4 ha; If applied with low volume application equipment, ensure the rate of 188 grams of product per ha is followed (1 water soluble bag per 0.4 ha).												
Fungus Gnats	133 grams of product/ha; (1 water soluble bag per 570 L of water per 0.57 ha)	<p>1. Apply as a spray to all surfaces where fungus gnats may breed. This includes potting media surfaces, bench tops, undersides of benches, and areas under benches which may be contaminated with potting media or algae. Use 75 grams of product (1 water soluble bag) per 570 L of water per 0.57 ha;</p> <p>2. Apply as a drench to potted plants using 133 grams of product per 1,000 L of water (1 water soluble bag per 570 L of water) as follows:</p> <table border="1"> <thead> <tr> <th>Pot Size (cm)</th> <th>Volume of Drench (mL)</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>90</td> </tr> <tr> <td>13</td> <td>120</td> </tr> <tr> <td>15</td> <td>180</td> </tr> <tr> <td>20</td> <td>240</td> </tr> <tr> <td>25</td> <td>300</td> </tr> </tbody> </table>	Pot Size (cm)	Volume of Drench (mL)	10	90	13	120	15	180	20	240	25	300
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<p>CITATION 75WP has been evaluated for safety to many greenhouse ornamental plants as a foliar spray and a soil drench. No phytotoxicity has been observed at the rates recommended on this label on chrysanthemum, gerbera, ageratum, dahlia, marigold, salvia, verbena, zinnia, baby's breath, petunia, Easter lily, or poinsettia. While many plant species and cultivars have been evaluated, each species and/or cultivar should be evaluated for phytotoxicity prior to making applications to the entire crop. To evaluate for possible phytotoxic effects for ornamental crops not listed above, the grower should test CITATION 75WP, for at least two weeks, on a small group of plants under the same conditions in which they will be grown.</p>														

Mushrooms - Spray Schedule							
INSECT		RATE		REMARKS			
Sciarid Fly		5 parts per million of cyromazine in compost		Using no more than 1 application per cycle, apply CITATION 75WP when preparing the mushroom substrate using a coarse drenching spray with low pressure to minimize the formation of mists. Apply in sufficient water for uniform distribution to the compost according to the Table below. These rates result in a concentration of 5 parts per million of active ingredient. Thoroughly incorporate during substrate preparation or spawning operation.			
Compost Fill: Wet Weight @ 66.6% Water		Compost Fill: Dry Weight		Grams of CITATION 75 WP		Area Treated By One 75 Gram Water Soluble Bag of CITATION 75WP	
Kg/m ²	lb/ft ²	Kg/m ²	lb/ft ²	100 m ²	1000 ft ²	m ²	ft ²
58.59	12	19.53	4	41.07	38.15	182.61	1965.70
68.36	14	22.79	4.67	47.56	44.18	157.71	1697.65
73.24	15	24.41	5	51.88	48.19	144.57	1556.18
83.01	17	27.67	5.67	56.20	52.21	133.45	1436.48
87.89	18	29.30	6	60.52	56.23	123.92	1333.87
97.65	20	32.55	6.67	67.01	62.25	111.92	1204.79
102.54	21	34.18	7	71.33	66.27	105.14	1131.77
112.30	23	37.43	7.67	75.66	70.28	99.13	1067.10
117.18	24	39.06	8	82.14	76.31	91.31	982.85
126.95	26	42.32	8.67	86.46	80.32	86.74	933.71
131.83	27	43.94	9	92.95	86.35	80.69	868.57
<p>Example: When applying CITATION 75WP to a wet compost bed weighing 112.3 kg/m² at 66.6% moisture, use 75 grams (one water soluble bag) per 99.13 m² of compost (one water soluble bag per 1,067 ft.²). To adjust for varying moisture rates, first convert to a dry matter basis using the following formula:</p> <p style="text-align: center;">Wet weight of compost (kg/m²) x (1 - [x% compost moisture/100]).</p> <p>Locate the closest "Dry Weight (Kg/m²)" from the table and use the appropriate rate of CITATION 75WP.</p>							

Refer to and retain booklet and label for DIRECTIONS FOR USE, MIXING INSTRUCTIONS, USE LIMITATIONS and PRODUCT DECONTAMINATION & DISPOSAL.

MIXING INSTRUCTIONS:

CITATION 75WP is a wettable powder formulation to be mixed with water and applied as a spray. Be sure sprayer is clean; if it is contaminated with any material, crop injury or sprayer clogging may result.

Mixing Steps:

1. Fill the tank 1/4 to 1/2 full with clean water and start agitation.
2. Add the correct amount of product.
3. Complete filling tank with water, maintaining sufficient agitation at all times.
4. Do not leave spray mixtures in the tank without adequate agitation. Always maintain agitation to avoid separation and buildup of residues.
5. Immediately after use, clean sprayer thoroughly by flushing system with water containing a detergent and rinse with clean water.
6. If a residue starts to build up in tank, drain and clean with strong detergent and ammonia solution. Then rinse thoroughly with clean water.

USE LIMITATIONS:

CITATION 75WP will control the larval stages of the leafminer but does not prevent the initial damage caused by the adult stage. CITATION 75WP is only effective on leafminer of the *Liriomyza* genus.

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