



Health  
Canada

Santé  
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Pest  
Management  
Regulatory  
Agency

Agence de  
réglementation  
de la lutte  
antiparasitaire

May 11, 2016

Submission No. 2016-1812

BioWorks Inc.  
C/O Laurie Tyo  
TSG Canada Inc.  
49-3278 Colonel Talbot Road  
London, Ontario  
N6P 1H4

Previous PMRA File No.:

D.3.1: 2015-2839

D.3.2: 2015-4981

Dear Ms. Tyo

RE: URMULE - User Requested Minor Use Label Expansion for the use of RootShield HC Biological Fungicide Wettable Powder (*Trichoderma harzianum* Strain KRL-AG2), Reg. No. 27115, for the suppression of root rot caused by *Fusarium* spp., *Rhizoctonia* spp., and *Pythium* spp. on hops in Canada

The review of your application to amend the RootShield HC Biological Fungicide Wettable Powder label has been completed. We are pleased to inform you that, pursuant to subsection 8(1) of the *Pest Control Products Act*, amended registration has been granted.

Your Amended Registration Certificate and a copy of the PMRA approved bilingual text label are enclosed. This application is now complete.

Yours truly,

Patricia Curry  
Director

Value Assessment and Re-evaluation Management Directorate  
Pest Management Regulatory Agency

Enclosures: Amended Registration Certificate  
PMRA Approved bilingual text label

cc.: Jim Chaput, Provincial Minor Use Coordinator  
Ian Gardiner, Submissions Manager, Pest Management Centre – AAFC  
Allison Plunkett, Pest Management Centre - AAFC  
Provincial Minor Use Coordinators  
PMRA Regional Managers

Canada

**Application for New or Amended registration Under the Pest Control Products Act** / **Demande d'homologation ou de modification d'homologation en vertu de la Loi sur les produits antiparasitaires**

1. Product Name (Full Name, No Abbreviations) - Nom du produit (nom complet, aucune abréviation)\*  
 RootShield HC Biological Fungicide

2. Registration No. - N° d'homologation  
 27115

**3. Registrant Name and Address - Nom et adresse du titulaire d'homologation**

Registrant Name (Full Legal Name - No Abbreviation) - Nom du titulaire (nom légal complet, aucune abréviation)\*  
 BioWorks Inc.

Postal Delivery Address - Adresse de livraison postale\*  
 100 Rawson Road, Suite 205

City / Town - Ville\*  
 Victor

Prov / State - Province / État\*  
 NY

Country - Pays\*  
 USA

Postal Code / ZIP - Code postal / ZIP\*  
 14564

Contact Name - Nom personne-ressource\*  
 Michael Cordaro

Job Title - Titre du poste\*  
 Regulatory Manager

Phone - Téléphone\*  
 585-924-4362 x342

Fax - Télécopieur

E-mail - courriel\*  
 mcordaro@bioworksinc.com

**4. Regulatory Mailing Address - Adresse postale réglementaire** SAME AS BOX 3 ABOVE - MÊME QU'À LA CASE 3

Company Name (Full Name - No Abbreviation) - Nom de l'entreprise (nom complet, aucune abréviation)  
 Technology Sciences Group (TSG) Canada Inc.

Regulatory Mailing Address - Adresse postale réglementaire  
 49-3278 Colonel Talbot Road

City / Town - Ville  
 London

Province - Province / État  
 ON

Country - Pays  
 Canada

Postal Code - Code postal  
 N6P 1H4

Contact Name - Nom personne-ressource  
 Laurie Tyo

Job Title - Titre du poste  
 Regulatory Consultant

Phone - Téléphone  
 519-203-3056

Fax - Télécopieur  
 519-203-3046

E-mail - courriel  
 ltyo@tsgcanada.ca

**5. Submission Contact - Personne-ressource au sujet de la demande** SAME AS BOX 4 ABOVE - MÊME QU'À LA CASE 4  X

Company Name (Full Name - No Abbreviation) - Nom de l'entreprise (nom complet, aucune abréviation)  
 Technology Sciences Group (TSG) Canada Inc.

Submission Contact Mailing Address - Adresse postale de la personne-ressource pour la demande d'homologation  
 49-3278 Colonel Talbot Road

City / Town - Ville  
 London

Prov / State - Province / État  
 ON

Country - Pays  
 Canada

Postal Code / ZIP - Code postal / ZIP  
 N6P 1H4

Contact Name - Nom personne-ressource  
 Laurie Tyo

Job Title - Titre du poste  
 Regulatory Consultant

Phone - Téléphone  
 519-203-3056

Fax - Télécopieur  
 519-203-3046

E-mail - courriel  
 ltyo@tsgcanada.ca

**6. Communication - Communication**

Formal correspondence, including the Registration Letter, Certificate of Registration, and Approved Label text will be sent to the Regulatory Mailing Address identified in block 4 - Toute correspondance formelle, notamment la lettre et le certificat d'homologation ainsi que le libellé de l'étiquette approuvé, sera envoyée à l'adresse indiquée à la case 4.

Would you like a copy sent to the Submission Contact identified in Block 5? - Voulez-vous que l'ARLA envoie une copie à la personne-ressource indiquée à la case 5?  No -  Yes - Oui

**7. Application for - Type de demande\***

New - Nouvelle  X Amendment - Modification  Reinstatement - Rétablissement

**8. Type of product, Code(s) - Type de produit, Code(s)\***

FUN

**9. Proposed classification - Classification proposée\***

End Use Product - Préparation commerciale

Domestic / Domestique  X Commercial / Commercial  Restricted / Restreint

Manufacturing Use Product - Produit de fabrication

Manufacturing Concentrate / Concentré de fabrication  Technical / Technique  Integrated System Product / Produit de système intégré

**10. Container Material - Matériau du contenant\***

Metal - Métal  Glass - Verre  X Plastic - Plastique  X Paper - Papier

Other (specify) - Autre (préciser) :

Container Type - Type de contenant :  
 polyethylene bag in cardboard box or bulk size plastic drum

Size of container - Grandeur du contenant Size range / units - Étendue des formats / unités: 0.453 kg to / à: 90.9 kg

or Size(s) / units - Formats / unités


**11. Nanotechnology - Nanotechnologie\***

Does the product contain nanomaterials? - Est-ce que le produit contient des nanomatériaux?  Yes - Oui  X  No - Non

**12. Master/Initial Product Status - Statut de produit étalon/initia**

Applying for Initial Product status - Demande pour le statut de produit initial  Applying for Master Product status - Demande pour le statut de produit étalon

**Proposed new Uses and / or Uses to be Withdrawn - Nouveaux usages proposés ou les usages à retirer\***

**Application for New or Amended registration Under the Pest Control Products Act**

**Demande d'homologation ou de modification d'homologation en vertu de la Loi sur les produits antiparasitaires**

Date received – Date reçue  
**2016-03-29**  
 Submission No. – N° de la demande  
**2016-1812**

1. Product Name (Full Name, No Abbreviations) – Nom du produit (nom complet, aucune abréviation)\*  
**RootShield HC Biological Fungicide**

2. Registration No. – N° d'homologation  
**27115**

Form 6023 submitted, Proposed for New Uses and/or Uses to be Withdrawn from the Label? – Avez-vous envoyé un formulaire déclarant Formulaire 6023: Formulaire visant les nouveaux usages proposés ou les usages à retirer ?

<input checked="" type="checkbox"/>	Yes – Oui	<input type="checkbox"/>	No – Non
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**Purpose – Rôle\***

**Category A – New active ingredient – Catégorie A – Nouvelle matière active**

<input type="checkbox"/>	Canadian Registration - Homologation canadienne	<input type="checkbox"/>	Major New Use - Nouvel usage important
<input type="checkbox"/>	Import MRL only - LMR à l'importation seulement		
<input type="checkbox"/>	URMUR – PHULDU		

**Category B – Catégorie B**

<input type="checkbox"/>	New or amended product chemistry - Caractéristiques chimiques nouvelles ou modifiées
<input type="checkbox"/>	New MRL(s) for previously assessed active ingredient - Nouvelle(s) LMR pour une matière active déjà évaluée
<input type="checkbox"/>	New or amended label statements - Énoncés nouveaux ou modifiés sur l'étiquette
<input type="checkbox"/>	Conversion/Renewal of Conditional Registration - Conversion/renouvellement d'une homologation ou utilisation temporaire ou à période limitée
<input type="checkbox"/>	Other (specify in covering letter) - Autre (préciser dans lettre d'accompagnement)

**Category C – Catégorie C**

<input type="checkbox"/>	New or amended product chemistry - Caractéristiques chimiques nouvelles ou modifiées	
<input checked="" type="checkbox"/>	New or amended label statements - Énoncés nouveaux ou modifiés sur l'étiquette	
<input type="checkbox"/>	Similar product or use already registered – Produit ou usage similaire déjà homologué	Number of precedent product – N° d'homologation la produit déjà homologué :

**Administrative changes – Changements administratifs:**

<input type="checkbox"/>	Change in source of registered active ingredient - Changement de source de la matière active
<input type="checkbox"/>	Registration or addition of minor use - Homologation ou ajout d'un usage limité
<input type="checkbox"/>	Other (specify in covering letter) - Autre (préciser dans lettre d'accompagnement)

**Category D – Catégorie D**

<input type="checkbox"/>	IMEP – PIPAFE
<input type="checkbox"/>	Label Improvement Program - Programme d'amélioration des étiquettes
<input type="checkbox"/>	New Master Copy based on Master Product Regn. No. - Nouvelle copie étalon basée sur le produit étalon portant le n° d'homol. :

**15. Declaration – Déclaration du demandeur\***

In compliance with the Pest Control Products Act, application is hereby made for the registration of a control product as outlined in this application, product specification form and labelling. It is certified that the information is true and complete – Conformément à la Loi sur les produits antiparasitaires, nous demandons l'homologation de ce produit tel qu'il est décrit dans la présente demande, celle des spécifications du produit et sur l'étiquette. Nous attestons que ces renseignements sont véridiques et complets.

Signature – Signature du demandeur <b>Laurie Tyo</b>	Printed Name – Nom en lettres moulées <b>Laurie Tyo</b>	Date <b>2016-03-28</b>
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Company affiliation of the signer – Compagnie du signataire <b>TSG Canada</b>	Phone – Téléphone <b>519-203-3056</b>	Email-Courriel <b>ltyo@tsgcanada.ca</b>
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Pursuant to the application and attachments and subject to amendments (if any) made therein, registration is granted and the above registration number is hereby assigned. – Conformément à cette demande et aux pièces jointes, et sous réserve des modifications qui lui sont apportées (s'il y a lieu), l'homologation est accordée et le numéro d'homologation ci-dessus attribué.

**This certificate is for the registration period ending December 31, 2018**  
**Ce certificat est valable pour la période d'homologation prenant fin le 31 décembre 2018**

Note: This registration is not an endorsement or an approval by Health Canada of this control product. – Nota : Cette homologation ne constitue ni une acceptation ni une approbation de ce produit antiparasitaire par Santé Canada.

HC/PMRA Official – Représentant de SC/ARLA	<i>P. Curry</i>	Date <i>May 11, 2016</i>
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## RootShield® HC - Biological Fungicide Wettable Powder

*For the Suppression of Root rot caused by Pythium spp., Rhizoctonia spp. and Fusarium spp. in Greenhouse Crops, Greenhouse Vegetable Transplants, Greenhouse Vegetables, Outdoor Nursery Plants, Agricultural Field Crops, Hops, Ginseng, and Cannabis (marihuana) produced commercially indoors; Foliar Diseases caused by Botrytis cinerea in Greenhouse Crops, Greenhouse Vegetable Transplants, Greenhouse and Field Vegetables, Greenhouse Ornamentals, Outdoor Nursery Plants, Strawberry, Lettuce, Geranium, Ginseng, and Cannabis (marihuana) produced commercially indoors*

COMMERCIAL

**READ THE LABEL BEFORE USING**

**GUARANTEE:** *Trichoderma harzianum* Rifai strain KRL-AG2 contains a minimum of  $1.0 \times 10^7$  colony forming units per gram of dry weight

Warning, contains the allergens wheat and sulfites

POTENTIAL SENSITIZER

LIVE ORGANISMS

REGISTRATION No. 27115 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 0.453 – 90.9 kg

Manufactured by BioWorks, Inc. 100 Rawson Road, Suite 205, Victor, NY 14564  
Telephone: 1.585.924.4362

Distributed by BioWorks, Inc., P.O. Box 1125, Fonthill, Ontario, L0S 1E0  
Telephone: 800-877-9443

Lot No.:

Date of Manufacture: Use within 12 months of date of manufacture.

**GENERAL INFORMATION:** RootShield® HC - Biological Fungicide Wettable Powder is a biological fungicide for the suppression of root or foliar diseases in greenhouse crops, greenhouse vegetable transplants, outdoor nursery plants, agricultural field crops, strawberries, lettuce, hops ginseng, and *Cannabis* (marihuana) produced commercially indoors. The active ingredient is a beneficial microbe *Trichoderma harzianum* strain T-22 (KRL-AG2). When applied to seeds, transplants, greenhouse planting mix or soil, RootShield® HC - Biological Fungicide Wettable Powder actively grows onto plant roots as they develop and protects roots against *Pythium*, *Rhizoctonia* and *Fusarium*. As a foliar application, RootShield® HC - Biological Fungicide Wettable Powder also suppresses *Botrytis cinerea*.

RootShield® HC - Biological Fungicide Wettable Powder can be used alone or in conjunction with certain chemical fungicides; contact manufacturer or distributor for compatibility Technical Bulletin.

For control of seed rot and damping off of internally infected cuttings, use chemical fungicides or other appropriate measures in addition to RootShield® HC - Biological Fungicide Wettable Powder.

**Note:** RootShield® HC - Biological Fungicide Wettable Powder contains live spores of a beneficial microbe. RootShield® HC - Biological Fungicide Wettable Powder becomes active when soil temperatures are above 10 degrees C. Control is not effective while soils remain cold and is more effective in neutral or acidic soils than in alkaline soils.

## **DIRECTIONS FOR USE:**

### **DRENCH APPLICATION TO POTTING MIX OR SOIL**

*Greenhouse Peppers, Tomatoes, and Cucumbers*  
*Greenhouse Ornamental Crops*  
*Greenhouse Vegetable Transplants*  
*Outdoor Nursery Crops*  
*Hops*  
*Ginseng*  
*Cannabis (Marihuana) produced commercially indoors*

**POTTING MIX:** Suspend RootShield® HC - Biological Fungicide Wettable Powder in sufficient water (eg. 30-45 g/100L) to achieve uniform application and apply at the rate of 55-110 g per cubic metre (loose) of greenhouse potting mix, soil or planting beds. RootShield® HC - Biological Fungicide Wettable Powder can be applied through low pressure watering nozzles such as fan nozzles or other watering systems. Agitate to maintain suspension.

*Cannabis (marihuana) produced commercially indoors:* RootShield HC is applied to potting mix or soil as a drench prior to planting.

### **NURSERY DRENCH:**

Suspend RootShield® HC - Biological Fungicide Wettable Powder in sufficient water (eg. 30 – 45 g/100 L) to achieve uniform application and apply at the rate of 55 – 110 g per cubic metre (loose) of nursery potting mix, soil or planting beds. RootShield® HC - Biological Fungicide Wettable Powder can be applied through low pressure watering nozzles such as fan nozzles or other watering systems. Agitate to maintain suspension.

*Ginseng, Hops:* Suspend RootShield® HC - Biological Fungicide Wettable Powder in 1,000 litres of water and apply at the rate of 3-4 kg per hectare to the soil surface immediately around the

plants. Use higher rates when conditions favour disease development or high disease pressure is anticipated. Sufficient irrigation or rainfall of at least 5 mm should occur within 24 hours after application to move the active ingredient into the root zone. Agitate to maintain suspension.

## **DIP APPLICATION**

*Bulbs: All Ornamental Crops*

Dip bulbs in suspension of 60 g/L RootShield® HC - Biological Fungicide Wettable Powder prior to planting.

## **FOLIAR APPLICATION:**

RootShield® HC should be applied preventatively prior to onset of disease.

*Greenhouse Vegetable Transplants:* For suppression of *Botrytis cinerea*, apply 10 grams per liter of water to foliage every 7-14 days depending upon disease pressure.

*Strawberry (Greenhouse and Field):* For suppression of *Botrytis cinerea* on strawberry, apply 10 grams per liter of water to foliage and blossoms every 7-14 days depending upon disease pressure.

*Lettuce (Greenhouse and Field):* For suppression of botrytis blight (*B. cinerea*), apply 10 grams per liter of water to foliage every 7-14 days depending upon disease pressure.

*Ginseng:* For suppression of *Botrytis cinerea*, apply RootShield® HC - Biological Fungicide Wettable Powder at 10 kg per hectare in a spray volume of 1,000 litres of water per hectare to foliage every 7-14 days depending upon disease pressure. Apply prior to disease establishment, when conditions favour disease development. Apply enough volume to thoroughly cover plant above-ground surfaces without runoff.

*Fruiting Vegetables: (Greenhouse and Field):* For suppression of *Botrytis cinerea* apply 3.75-7.5 grams per liter of water to foliage every 7-14 days depending upon disease pressure.

*Cucurbit vegetables (Greenhouse and Field):* For suppression of *Botrytis cinerea* apply 3.75-7.5 grams per liter of water to foliage every 7-14 days depending upon disease pressure.

*Greenhouse and Outdoor Ornamental Crops:* For suppression of *Botrytis cinerea* on ornamental crops apply 7.5 grams per liter of water to foliage every 7-14 days.

*Cannabis (marihuana) produced commercially indoors:* For suppression of *Botrytis cinerea*, apply 3.75 - 10 grams per liter of water to foliage every 7-14 days depending upon disease pressure.

It is not possible to test all ornamental varieties, and some may show delayed growth. RootShield® HC - Biological Fungicide Wettable Powder should first be tested on small lot of plants, if the response of the variety is not known, before using it for commercial scale production.

## **SEED TREATMENT (ONSITE APPLICATION TO SEED)**

*Pea, Lima Bean, Bean, Lentil, and Soybean*

RootShield® HC - Biological Fungicide Wettable Powder is applied to seeds at the rate of 60 - 125 grams per 50 kg of seed for protection against root rot. To assure uniform application, add half the required amount of RootShield® HC - Biological Fungicide Wettable Powder to half the seed in the hopper, mix with a wooden paddle, and then add the remaining seed and RootShield® HC - Biological Fungicide Wettable Powder. RootShield® HC - Biological Fungicide Wettable Powder can be applied in sufficient water to coat seeds. [4 oz/100 lb seed (cwt) = 125 g/50 kg of seed]



DRENCH APPLICATION TO POTTING SOIL OR MIX					
Crops	Disease	Pathogens	Rate	Spray volume	Control/Suppression
Greenhouse Ornamental Crops	Root rot	<i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Fusarium</i> spp.	55-110 g/m <sup>3</sup>	30-45 g/100 L	Suppression
Outdoor Nursery Crops					
Greenhouse Vegetable Transplants Bulb vegetables Leafy vegetables Brassica vegetables Fruiting vegetables Cucurbit vegetables Herbs					
Greenhouse Peppers, Tomatoes, and Cucumbers					
<i>Cannabis</i> (marihuana) Transplants produced commercially indoors					
Ginseng			3-4 kg/ha	1000 litres/ha	
Hops			3-4 kg/ha	1000 litres/ha	

FOLIAR APPLICATION					
Crops	Disease	Pathogens	Rate	Days between application	Control/Suppression
Greenhouse Vegetable Transplants Bulb vegetables Leafy vegetables Brassica vegetables Fruiting vegetables Cucurbit vegetables Herbs	Foliar Disease Botrytis blight	<i>Botrytis cinerea</i>	10 g/L	7-14 days	Suppression
Strawberry (Greenhouse and Field)					
Lettuce (Greenhouse and Field)					
Ginseng			10 kg/ha		
Fruiting Vegetables (Greenhouse and Field)	Botrytis blight	<i>Botrytis cinerea</i>	3.75 – 7.5 g/L	7-14 days	Suppression
Cucurbit	Botrytis	<i>Botrytis</i>	3.75 – 7.5	7-14 days	Suppression

Vegetables (Greenhouse and Field)	blight	<i>cinerea</i>	g/L		
Greenhouse and Outdoor Ornamental Crops	Botrytis blight	<i>Botrytis cinerea</i>	7.5 g/L	7-14 days	Suppression
<i>Cannabis</i> (marihuana) produced commercially indoors	Botrytis blight	<i>Botrytis cinerea</i>	3.75 – 10 g/L	7-14 days	Suppression

DIP APPLICATION				
Crops	Disease	Pathogens	Rate	Control/Suppression
Ornamental Bulbs	Root rot	<i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Fusarium</i> spp.	Dip bulbs in 60 g/L suspension	Suppression

SEED TREATMENT (ONSITE APPLICATION TO SEED)				
Crops	Disease	Pathogens	Rate	Control/Suppression
Pea Lima Bean Bean Lentil Soybean	Root rot	<i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Fusarium</i> spp.	60-125 g/50kg seed	Suppression

**Bulb vegetables:** chive, Chinese chive, daylily, Elegans hosta, fritillaria, garlic (bulb, great-headed, serpent), onion (bulb, green), kurrat, leek, lady's leek, wild leek, lily, onion (bulb, Chinese, green, macrostem, pearl, potato, tree, Welsh), shallot

**Leafy vegetables:** amaranth, arugula, cardoon, celery, Chinese celery, celtuce, chervil, chrysanthemum (edible-leaved, garland), corn salad, cress (garden, upland), dandelion, dock, endive, fennel, lettuce (head, leaf), orach, parsley, purslane (garden, winter), radicchio, rhubarb, spinach, New Zealand spinach, vine spinach, swiss chard

**Brassica vegetables:** broccoli (Chinese, raab), Brussels sprouts, cabbage, Chinese cabbage, cauliflower, cavolo broccoli, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, rape greens

**Fruiting vegetables:** cocona, eggplant (including African, pea, scarlet), groundcherry, martynia, okra, pepino, pepper (bell, non-bell), sunberry, tomatillo, tamarillo, goji berry, tomato (including bush, currant)

**Cucurbit vegetables:** Chinese waxgourd, citron melon, cucumber, gherkin, gourd (edible), momordica, muskmelon (cantaloupe, casaba, crenshaw, golden pershaw, honeydew, honey balls, mango Persian, pineapple, Santa Claus, snake), pumpkin, squash (winter, summer), watermelon

**Herbs:** angelica, anise (anise seed), balm (lemon balm), basil, borage, burnet, chamomile, caraway, black caraway, catnip, celery seed, chervil (dried), chive, Chinese chive, clary, coriander (cilantro or Chinese parsley), costmary, culantro, cumin, dill, fennel, fenugreek, horehound, hyssop, juniper berry, lavender, lemongrass, lovage, marigold, marjoram, mustard, nasturtium,



parsley, pennyroyal, poppy, rosemary, rue, sage, savory (summer, winter), sweet bay (bay leaf), tansy, tarragon, thyme, wintergreen, woodruff, wormwood.

### **GENERAL APPLICATION INSTRUCTIONS**

Use a quantity of spray solution to thoroughly cover foliage. Crop size, spray equipment and local practice will determine the volume of water needed. Spray to wet, but avoid run-off. Use higher rates when conditions favour disease development or high disease pressure is anticipated.

RootShield® HC - Biological Fungicide Wettable Powder can be applied using hand-held backpack or ground spray equipment. Do not use with low-volume sprayers. AGITATION IS REQUIRED TO MAINTAIN SUSPENSION. Application equipment should be cleaned before use of this product, and prepared sprays should be used within 4 hours of preparation. To prevent nozzle tip clogging the manufacturer recommends using 50 – 100 mesh inlet screens in all spray equipment.

**FIELD SPRAYER APPLICATION:** DO NOT applying 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/medium/coarse classification. Boom height must be 60 cm or less above the crop or ground.

**PRECAUTIONS: KEEP OUT OF THE REACH OF CHILDREN.** May cause sensitization. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist. Wear a long-sleeved shirt, long pants, water proof gloves, shoes plus socks, eye goggles and a dust/mist filtering respirator/mask (MSH/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N -95, R-95, P-95 or HE filter for biological products when handling, mixing/loading or applying the product and during all clean-up/repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. For Greenhouse application, keep unprotected persons out of the treated areas for 4 hours after treatment.

### **ENVIRONMENTAL PRECAUTIONS:**

As this pesticide 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 with this product. DO NOT clean equipment or dispose of wastes in any water supply.

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine textured, or low in organic matter such as clay).

DO NOT apply this product by air.

### **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/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 mouth-to-mouth, if possible. Call a poison control centre of 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.

**GENERAL:** Seek medical attention immediately if irritation or signs of toxicity occur and persist or is severe. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

**STORAGE:** Store in a secure dry place at temperatures between 2°C and 5°C. Do not contaminate water, food, or feed during storage. Keep product in original container during storage and keep container lid tightly closed when not in use. This product should be used within 12 months of the date of manufacture when stored under refrigerated conditions.

**DISPOSAL/ DECONTAMINATION:**

1. Thoroughly empty the contents of the container into the application device or medium.
2. Make the container unsuitable for further use.
3. Dispose of the container 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 use assumes the risk to persons or property that arises from any such use this product.