70905-3

07 30 2013

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460-0001



JUL 3 0 2013

Sulphur Mills c/o Matthew Brooks Ag-Chem Consulting 12208 Quinque Lane Clifton, VA 20124

Subject: Amendment to add a poultry house sublabel and other minor corrections EPA Registration No. 70905-3 Primary Brand Name: Pronto 70 WG Submission Date: <u>May 9, 2013</u>

Dear Mr. Brooks:

The label referred to above, submitted under FIFRA, as amended, is **acceptable**. Please submit one final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions, please contact Gene Benbow at (703) 347-0235 or via email at <u>benbow.gene@epa.gov</u>.

Sincerely,

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Venus Eagle Product Manager (01) Insecticide-Rodenticide Branch Registration Division (7504P)

# **MASTER LABEL**

# **PRONTO 70 WG**

# Sublabel A: Agricultural Uses

A. Field Crops including cotton, peanut, potato and tobacco.

**B.** Vegetable and Small Fruit Crops including fruiting vegetables, globe artichoke, herbs, brassica (cole) leafy vegetables, leafy green vegetables, legume vegetables, root, tuberous and corm vegetables and strawberry.

**C.** Tree, Bush and Vine Crops including banana and plantain, bushberry, caneberry, citrus, coffee, grape, hop, pome fruit, pomegranate, stone fruit, tree nuts (except almond) and tropical fruit.

D. Other Crops including Christmas tree and poplar/cottonwood.

# Sublabel B: Turf and Ornamental Uses

**A.** Turf including turfgrasses around airports, athletic fields, cemeteries, golf courses, homes and multi-family residential buildings, office buildings or office parks, parks and playgrounds, shopping centers and sod farms.

**B.** Trees, Ornamentals, Groundcovers and Interior Plantscapes including evergreens, flowers, foliage plants, groundcovers, interior plantscapes, non-bearing fruit and nut trees, ornamentals, shrubs, trees, vegetable plants intended for resale and state, national and private wooded forested areas.

# Sublabel C: Poultry House Uses

A. Poultry Houses

ACTIVE	INGREDIENT:
ACTIVE	INOREDIENT.

Imidacloprid, 1-[(6-Chloro-3-py	yridinyl)methyl]-N-nitro-2-imidazolidinimine	
OTHER INGREDIENTS:	· 	<u>30%</u>
TOTAL	· · · · · · · · · · · · · · · · · · ·	100%

# STOP – Read the label before use KEEP OUT OF REACH OF CHILDREN CAUTION

EPA Reg. No. 70905-3

EPA Est. No.

Manufactured by: SULPHUR MILLS LIMITED 604/605, 349 Business Point, Western Express Highway Andheri (E), Mumbai – 400 069, India Website: www.sulphurmills.com

Net Contents:

1

ACCEPTED
JUL 30 2013
Under the Federal Insecticide, Fungicide, zaid Rodenticide Act, as arconded, for the pesticide
as arranded, for the posticide Registared under

Master 7-15-13

# Sublabel A - Agricultural Uses

# **GROUP** 4A INSECTICIDE

# PRONTO 70 WG

#### For control of certain insects infesting various crops

ACTIVE INGREDIENT:	
Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine	70%
OTHER INGREDIENTS:	<u>30%</u>
TOTAL	

EPA Reg. No. 70905- 3

#### EPA Est. No.

# STOP – Read the label before use KEEP OUT OF REACH OF CHILDREN CAUTION

For 24-Hour Emergency Contact, Call CHEMTREC (1-800-424-9300)

	FIRST AID
IF SWALLOWED:	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
IF IN EYES:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
You may also contact 1-8	or label with you when calling a poison control center or doctor, or going for treatment. 00-424-9300 for emergency medical treatment information.

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Cause eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children or pets off treated area until spray is dry.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton

- Protective eyewear
- Shoes plus socks

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

#### **Engineering controls statements:**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

# USER SAFETY RECOMMENDATIONS

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

This product is toxic to wildlife and highly toxic to aquatic invertebrates. Do not apply directly to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. This product is toxic to wildlife and highly toxic to aquatic invertebrates.

This chemical demonstrates the properties and characteristics associated with chemical detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

### TAKE THE FOLLOWING PRECAUTIONS WHEN MIXING AND APPLYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

# SPRAY DRIFT MANAGEMENT

The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

#### Mixing and Loading Requirements

To avoid potential contamination of groundwater use properly designed and maintained containment pad for mixing and loading of any pesticide into application equipment. If containment pad is not used, maintain a minimum distance of 25 feet between mixing and loading area and potential surface to groundwater conduits such as field sumps, uncased well heads, sinkholes, or field drains.

#### **For Aerial Applications**

Mount the spray boom on the aircraft so as to minimize drift caused by wing tip vortices. Use the minimum practical boom length. Do not exceed 75% of the wing span or rotor diameter.

## **Importance of Droplet Size**

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, make applications to deliver the largest droplet

spectrum that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.

Release spray at the lowest possible height consistent with good pest control and flight safety. Do not make application more than 10 feet above the crop canopy.

#### Wind Speed Restrictions

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are great than 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

#### **Restrictions During Temperature Inversions**

Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

#### Airblast (Air Assist) Specific Applications for Tree Crops and Vineyards

Release spray at lowest possible height. Do not apply more than 10 feet above the crop canopy. Airblast sprayers carry droplets into the canopy of trees/vines via a radially, or laterally directed air stream. Follow drift management practices as specified.

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;
- Use only enough air volume to penetrate the canopy and provide good coverage;
- Do not allow the spray to go beyond the edge of the cultivated area (i.e., turn off sprayer when turning at end rows);
- Only spray inward, toward the orchard or vineyard, for applications to the outside rows.

#### **No-Spray Zone Requirements for Foliar Applications**

Do not apply by ground within 25 feet, or by air within 150 feet of lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries and commercial fish farm ponds.

#### **Runoff Management**

Do not cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip. When used on erodible soils, employ the best management practices for minimizing runoff. Consult your local Natural Resources Conservation Service for **recommendations** in your use area.

#### **Endangered Species Notice**

Under the Endangered Species Act, it is a Federal Offense to use any pesticide in a manner that results in the death of a member of an endangered species. Consult your local county bulletin, County Extension Agent, or Pesticide State Lead Agency for information concerning endangered species in your area.

#### **Resistance Management**

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area to help delay or minimize insect resistance.

PRONTO 70 WG contains imidacloprid, a Group 4A insecticide. Insect biotypes with acquired or inherent tolerance to Group 4A product may eventually dominate the insect population if Group 4A products are used repeatedly as the predominant method of control for targeted species. This may eventually result in partial or total loss of control of those species by PRONTO 70 WG and to other Group 4A products.

The active ingredient in PRONTO 70 WG is a member of the neonicotinoid chemical class. Avoid using a block of more than three consecutive applications of PRONTO 70 WG and/or other Group 4A products having the same or similar mode of action. Following a neonicotinoid block of treatments, Sulphur Mills Ltd. strongly encourages the rotation to a block of applications with effective products of a different mode of action before using additional applications of neonicotinoid products. Using a block rotation or windowed approach, along with other IPM practices, is considered an effective use strategy for preventing or delaying an insect pest's ability to develop resistance to this class of chemistry.

Foliar applications of PRONTO 70 WG or other Group 4A products from the neonicotinoid chemical class should not be used on crops previously treated with a long-residual, soil-applied product from the neonicotinoid chemical class.

Other Group 4A neonicotinoid products used as foliar treatments include: Actara, Assail, Calypso, Centric, Clutch, Couraze, Gallant, Impulse, Intruder, Leverage, Nuprid, Pasada, Provado, Trimax Pro and Venom.

Other Group 4A neonicotinoid products uses as soil/seed treatment include: Admire Pro, Advise, Alias, Belay, Couraze, Cruiser, Gaucho, Macho, Macho Max, Nuprid, Platinum, Venom, and Widow.

Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at *http://irac-online.org*.

#### **DIRECTIONS FOR USE**

#### It is a violation of Federal law to use this product in a manner inconsistent with its labeling

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

#### Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton
- Protective evewear
- Shoes plus socks

#### AGRICULTURAL USES

# **APPLICATION DIRECTIONS**

#### Do Not Apply PRONTO 70 WG in Enclosed Structures Such As Greenhouses or Planthouses.

Apply PRONTO 70 WG as directed or broadcast foliar spray. Thorough coverage of foliage is necessary without runoff for optimum insecticidal efficacy. Use adequate spray volumes, properly calibrated application equipment and spray adjuvant if necessary to obtain thorough coverage. Failure to provide adequate coverage and retention of PRONTO 70 WG on leaves and fruit may result in loss of insect control or delay in onset of activity. PRONTO 70 WG may be applied with properly calibrated ground or aerial application equipment. Use minimum spray volumes unless otherwise specified on crops specified. Application volumes are 10 gallons/Acre by ground application and 5 gallons/Acre through aerial equipment. PRONTO 70 WG may also be applied by overhead chemigation (see additional CHEMIGATION DIRECTIONS FOR USE section below) if allowed in crop specific application section.

PRONTO 70 WG use on crops grown for production of true seed intended for private commercial planting is generally not recommended but may be allowed under State specific supplemental labeling. As with any insecticide, care should be taken to minimize exposure of PRONTO 70 WG to honey bees and other pollinators. Do not use of PRONTO 70 WG on crops requiring bee pollination during bloom and a minimum of 10 days prior to bloom. Additional information on PRONTO 70 WG uses for these crops and other questions may be obtained from the Cooperative Extension Service, PCAs, consultants or local Sulphur Mills Limited representatives.

This product may not be effective in controlling established insect infestations or heavy insect populations. Monitor fields for insect presence and level of infestations before making a second application to ensure control. Tank mixes of this product with other registered insecticides will improve knockdown of listed pests and control of other pests.

Do not apply more than 0.5 lb active ingredient per acre, per crop year, regardless of formulation or method of application, unless specified within a crop-specific Recommended Application section for a given crop. Additional product use information may be obtained from calling a representative of Sulphur Mills Limited.

# MIXING INSTRUCTIONS

To prepare the application mixture, add a portion of the required amount of water to the spray tank and with agitation add PRONTO 70 WG. Complete filling tank with balance of water needed. Maintain sufficient agitation during both mixing and application. PRONTO 70 WG may also be used with other pesticides and/or fertilizer solutions. Please see Compatibility Note below. When tank mixtures of PRONTO 70 WG and other pesticides are involved, prepare the tank mixture as specified above and follow suggested Mixing Order below.

#### Mixing Order

When pesticide mixtures are needed, add PRONTO 70 WG and other wettable powders or wettable granules first, flowable (suspension concentrate) products second, and emulsifiable concentrates last. Ensure good agitation as each component is added. Do not add an additional component until the previous is thoroughly mixed. If a fertilizer solution is added, a fertilizer/pesticide compatibility agent may be needed. Maintain constant agitation during both mixing and application to ensure uniformity of spray mixture.

#### **Compatibility Note**

Test compatibility of the intended tank mixture before adding PRONTO 70 WG to the spray or mix tank. Add proportionate amounts of each ingredient in the appropriate order, to a pint or quart jar, cap, shake for 5 minutes, and let set for 5 minutes. Do not use poor mixing or formation of precipitates that do not readily redisperse. For further information, contact your local Sulphur Mills Limited representative.

#### CHEMIGATION DIRECTIONS FOR USE

Refer to APPLICATION DIRECTIONS FOR USE section before proceeding with chemigation application.

#### **Types of Irrigation Systems**

Chemigation applications of PRONTO 70 WG may be made to crops through overhead sprinkler chemigation systems if specified in crop-specific Recommended Application sections. Do not apply PRONTO 70 WG through any other type of irrigation system.

## Water Volume

PRONTO 70 WG chemigation applications should be made as concentrated as possible. Retention of PRONTO 70 WG on target site of insect infestation is necessary for optimum activity. Chemigation of PRONTO 70 WG in water volumes exceeding 0.1 inch/Acre is not recommended.

#### Uniform Distribution and System Calibration

The irrigation system must provide uniform distribution of treated water. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

#### **Chemigation Monitoring**

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

#### Drift

Do not apply when the wind speed favors drift beyond the area intended for treatment.

#### **Required System Safety Devices**

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

#### Using Water from Public Water System

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water system must contain a functional, reduced pressure zone (RPZ) backflow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or, in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump)

effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

# **ROTATIONAL CROPS \***

Treated areas may be replanted with any crop specified on an imidacloprid label, or any crop for which a tolerance exists for the active ingredient, as soon as practical following the last application. For crops not listed on an imidacloprid label, or for crops for which no tolerances for the active ingredient have been established, a 12-month plant-back interval is required.

#### Immediate Plant-back

All crops on this label plus the following crops not on this label: barley, canola, corn (field, sweet and pop), rapeseed, sorghum, soybean, sugarbeet, and wheat.

#### **30-Day Plant-back**

Cereals (including buckwheat, millet, oats, rice, rye, and triticale), safflower

# **10-Month Plant-back**

Onion and bulb vegetables

12-Month Plant-back

## All other crops

\*Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed.

# FIELD CROPS

### **Applications – PRONTO 70 WG**

Apply specified rate per acre as a broadcast or directed foliar spray to infested areas as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimum control. A spray adjuvant may be used to improve coverage. PRONTO 70 WG may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. PRONTO 70 WG may be tank mixed with other insecticides as specified for knockdown of pests or for improved control of other pests.

#### COTTON

Pests Controlled	Rate Ounces/Acre
Cotton aphid	
Cotton fleahopper	
Bandedwinged whitefly	
Plant bugs (excludes Lygus hesperus)	0.7 - 1.4
Green stink bug	
Southern green stink bug	
Bollworm/Budworm (ovicidal effect)	
Pests Suppressed	
Lygus bug (Lygus hesperus)	1.1-1.4
Whiteflies (other than bandedwinged whitefly)	1.1-1,4
Restrictions:	
Pre-Harvest Interval (PHI): 14 days	
Minimum interval between application: 7 days	
Maximum PRONTO 70 WG allowed per year: 7 ounces	s/Acre (0.31 lb ai/A)
Do not graze treated fields after any application of PRON	
Applications:	
- PRONTO 70 WG may be applied through properly cal	ibrated ground, aerial or chemigation application
equipment.	-
	Applications

#### Master 7-15-13

Pests Controlled (in addition to pests listed above)	PRONTO 70 WG Rate Ounces/Acre	Bidrin <sup>®</sup> 8* Rate Fluid ounces/Acre
For early season control of: Thrips	0.7 – 1.1	1.6 - 3.2
For mid to late season control of: Plant bugs Stink bugs (including Brown stink bug) Grasshoppers Saltmarsh caterpillar Cotton leafperforator	0.7 – 1.1	4.0 - 8.0

Restrictions: (in addition to Restrictions listed above): \*Refer to the Bidrin<sup>®</sup> 8 product label for specific use recommendations; observe all restrictions and precautions that appear on the label.

# PEANUT

Rate Ounces/Acre	
1.0	
e (0.13 lb ai/A)	
-	Ounces/Acre

# ΡΟΤΑΤΟ

Pests Controlled	Rate Ounces/Acre
Aphids	
Colorado potato beetle	·
Flea beetles	1.1
Leafhoppers	
Psyllids	
Restrictions:	
Pre-Harvest Interval (PHI): 7 days	
Minimum interval between application: 7 days	
Maximum PRONTO 70 WG allowed per year: 4.6 ounces	/ <b>Acre</b> (0.2 lb ai/A)

# TOBACCO

Pests Controlled	Rate Ounces/Acre
Aphids	0.6 - 1.2
Flea beetles	1.2
Japanese beetle	1.2
Restrictions:	
Pre-Harvest Interval (PHI): 14 days	
Minimum interval between application: 7 days	
Maximum PRONTO 70 WG allowed per year: 6.4 ounces	s/Acre (0.28 lb ai/A)

# **VEGETABLE AND SMALL FRUIT CROPS**

# **Applications – PRONTO 70 WG**

Apply specified rate per acre as a broadcast or directed foliar spray to infested areas as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimum control. A spray adjuvant may be used to improve coverage. PRONTO 70 WG may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. PRONTO 70 WG may be tank mixed with other insecticides as specified for knockdown of pests or for improved control of other pests.

Crops contained within certain crop groups recognized by EPA are subject to change. Refer to EPA website (<u>www.epa.gov</u>) for latest crop groups.

# **FRUITING VEGETABLES\***

Crops of Crop Group 8 plus Okra Including: Eggplant, Ground cherry, Okra, Pepper (including bell, chili, cooking, pimento and sweet), Tomato, Pepinos, Tomatillo

Pests Controlled	Rate Ounces/Acre
Aphids	
Colorado potato beetle	1.1 - 1.8
Leafhoppers	1.1 - 1.8
Whiteflies	· · · · · · · · · · · · · · · · · · ·
Pepper weevil (Pepper only)	1.8
Restrictions:	
Pre-Harvest Interval (PHI): 0 days	
Minimum interval between application: 5 days	
Maximum PRONTO 70 WG allowed per crop season: 5.5	ounces/Acre (0.24 lb ai/A)
Applications:	
For pepper weevil, apply specified dosage of PRONTO 70	WG by ground equipment only, timing applications prior
to a damaging population becoming established. Good cov	
control. Applications of PRONTO 70 WG must be incorpo	
effective products from multiple classes of chemistry and d	lifferent modes of action are utilized in a blocked or
windowed approach. For additional information, please co	ontact your Sulphur Mills Limited representative,
Extension Specialist or crop advisor.	• • •
-	
When targeting adult whiteflies, use higher rates.	
*Not for use on crops grown for seed unless allowed by sta	ate-specific 24(c) labeling.

#### **GLOBE ARTICHOKE**

Pests Controlled	Rate Ounces/Acre
Aphids Leafhoppers	1.1 – 2.9
Restrictions: Pre-Harvest Interval (PHI): 7 days Minimum interval between application: 14 days Maximum PRONTO 70 WG allowed per year: 11.5 out	nces/Acre (0.5 lb ai/A)

HERBS

**Crops of Crop Subgroup 19A including:** Angelica, Balm (lemon balm), Basil (fresh and dried), Borage, Burnet, Chamomile, Catnip, Chervil (dried), Chinese chive, Chive, Clary, Coriander (cilantro or Chinese parsley leaves), Costmary, Culantro (leaf), Curry (leaf), Dillweed, Horehound, Hyssop, Lavender, Lemongrass, Lovage (leaf), Marigold, Marjoram, Nasturtium, Parsley (dried), Pennyroyal, Rosemary, Rue, Sage, Savory (summer and winter), Sweet bay (bay leaf), Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood.

Rate Ounces/Acre
1.0

Pre-Harvest Interval (PHI): 7 days Minimum interval between application: 5 days Maximum PRONTO 70 WG allowed per crop season: 3.0 ounces/Acre (0.13 lb ai/A)

#### **Applications:**

PRONTO 70 WG may be applied through properly calibrated ground and aerial application equipment. Thorough coverage with direct contact of the spray material to the target pests is required for optimum control. The addition of an organosilicone-based spray adjuvant at a rate not to exceed the adjuvant manufacturer's recommended use rate may improve coverage and control.

Note:

Not all crops and/or varieties listed above have been tested for phytotoxic effects. Without specific knowledge about a particular crop and variety, Sulphur Mills Limited strongly recommends that only small areas or numbers of plants of each be treated and evaluated prior to commercial use.

# **BRASSICA (COLE) LEAFY VEGETABLES\***

**Crops of Crop Group 5 including:** Broccoli, Broccoli raab (rapini), Brussels sprouts, Cabbage, Cauliflower, Cavalo broccoli, Chinese (gai lon) broccoli, Chinese (bok choy) cabbage, Chinese (napa) cabbage, Chinese mustard (gai choy) cabbage, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens

Pests Controlled	Rate Ounces/Acre
Aphids Flea beetles Leafhoppers Whiteflies	1.1 – 1.8
Restrictions: Pre-Harvest Interval (PHI): 7 days	

Minimum interval between application: 5 days

Maximum PRONTO 70 WG allowed per crop season: 5.5 ounces/Acre (0.24 lb ai/A)

#### Applications:

For applications made to watercress, production fields must be drained of water at least 24 hours prior to application and water must not be reapplied to the field for a minimum of 24 hours following the application. Applications must be made to fully leafed-up canopies only.

\*Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.

# LEAFY GREEN VEGETABLES\*

**Crops of Crop Subgroup 4A plus Watercress including:** Amaranth (leafy amaranth, Chinese spinach, tampala), Arugula (Roquette), Chervil, Chrysanthemum (edible leaved and garland), Corn salad, Cress (garden), Cress (upland, yellow rocket, winter cress), Dandelion, Dock (sorrel), Endive (escarole), Lettuce (head and leaf), Orach, Parsley, Purslane (garden and winter), Radicchio (red chicory), Spinach [including New Zealand and vine (Malabar spinach, Indian spinach)], Watercress (Commercial production only. Applications must not be made to native cress growing in streams or other bodies of water). Watercress (upland)

Pests Contro	lled	Rate Ounces/Acre	
Aphids Flea beetles Leafhoppers Whiteflies	· · ·	. 1.1 – 1.8	

#### **Restrictions:**

Pre-Harvest Interval (PHI): 7 days Minimum interval between application: 5 days Maximum PRONTO 70 WG allowed per crop season: 5.5 ounces/Acre (0.24 lb ai/A)

#### **Applications:**

For applications made to watercress, production fields must be drained of water at least 24 hours prior to application and water must not be reapplied to the field for a minimum of 24 hours following the application. Applications must be made to fully leafed-up canopies only.

\*Not for use on crops grown for seed unless allowed by state-specific 24(c) labeling.

# **LEGUME VEGETABLES\***

#### Crops of Crop Group 6 (except soybean, dry) including:

Edible Podded and Succulent Shelled Pea and Bean and Dried Shelled Pea and Bean

Bean (Lupinus spp., including grain lupin, sweet lupin, white lupin, and white sweet lupin)

Bean (*Phaseolus* spp., including field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean)

**Bean** (*Vigna* spp., including adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, Southern pea, urd bean, yardlong bean)

**Pea:** (*Pisum* spp., including dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea)

Other Beans and Peas: Broad bean (fava), Chickpea (garbanzo bean), Guar, Jackbean, Lablab bean (hyacinth bean), Lentil, Pigeon pea, Soybean (immature seed), Sword bean

Pests Controlled	Rate Ounces/Acre
Aphids	· · ·
Leafhoppers	1.0
Whiteflies	
Restrictions:	
Pre-Harvest Interval (PHI): 7 days	
Minimum interval between application: 7 days	
Maximum PRONTO 70 WG allowed per crop season: 3.0	ounces/Acre (0.13 lb ai/A)
Maximum PRONTO 70 WG allowed per crop season: 3.0	
Not for use on crops grown for seed unless allowed by sta	ate-specific 24(c) labeling

# **ROOT, TUBEROUS AND CORM VEGETABLES<sup>1</sup>**

**Crops of Crop Group 1 (except sugarbeet) plus Kava including:** Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Beet (garden)<sup>2</sup>, Burdock (edible)<sup>2</sup>, Canna (edible, Queensland arrowroot), Carrot<sup>2</sup>, Cassava (bitter and sweet)<sup>2</sup>, Celeriac<sup>2</sup>, Chayote (root), Chervil (turnip-rooted)<sup>2</sup>, Chufa, Dasheen (taro)<sup>2</sup>, Ginger, Ginseng, Horseradish, Kava<sup>2, 3</sup>, Leren, Parsley (turnip-rooted), Parsnip<sup>2</sup>, Radish<sup>2</sup>, Oriental radish (diakon)<sup>2</sup>, Rutabaga<sup>2</sup>, Salsify (black)<sup>2</sup>, Salsify (oyster plant), Salsify (Spanish), Skirret, Sweetpotato<sup>2</sup>, Tanier (cocoyam)<sup>2</sup>, Tumeric, Turnip<sup>2</sup>, Yam bean (jicama, manoic pea), Yam (true)<sup>2</sup>.

(For applications rates on potato see Field Crops Section)

Pests Controlled	Rate Ounces/Acre
Aphids	
Flea beetles	1.0
Leafhoppers	1.0
Whiteflies	
Restrictions:	
Pre-Harvest Interval (PHI): 7 days	
Minimum interval between application: 5 days	
Maximum PRONTO 70 WG allowed per crop season:	1.0 ounces/Acre (0.044 lb ai/A) on Radish; 3.0 ounces Acre
(0.13 lb ai/A) on other crops.	
(0.15 lb al/A) on other crops.	
Maximum PRONTO 70 WG applications per crop seaso	on: 1 on Radish; 3 on other crops.
	on: 1 on Radish; 3 on other crops.
	· · ·
Maximum PRONTO 70 WG applications per crop seaso	state-specific 24(c) labeling.

#### STRAWBERRY

Pests Controlled	Rate Ounces/Acre
Aphids	
Spittlebugs	• 1.1
Whiteflies	
Restrictions:	
Pre-Harvest Interval (PHI): 7 days	
Minimum interval between application: 5 days	
Maximum PRONTO 70 WG allowed per crop season: 3.3 ounces/Acre (0.14 lb ai/A)	
Do not apply during bloom or within 10 days prior to bloom or when bees are actively foraging.	

## TREE, BUSH AND VINE CROPS Applications – PRONTO 70 WG

Apply specified rate per acre as a broadcast or directed foliar spray to infested areas as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimum control. A spray adjuvant may be used to improve coverage. PRONTO 70 WG may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. PRONTO 70 WG may be tank mixed with other insecticides as specified for knockdown of pests or for improved control of other pests. Aerial application of PRONTO 70 WG may result in slower activity and reduced control relative to results from ground application. For tree and vine crops, specified application rates are based on full-size, mature trees or vines.

Crops contained within certain crop groups recognized by EPA are subject to change. Refer to EPA website (<u>www.epa.gov</u>) for latest crop groups.

# BANANA AND PLANTAIN

Rate Ounces/Acre
2.3
· · · ·
Acre (0.5 lb ai/A)

Apply specified dosage of PRONTO 70 WG as a broadcast or directed spray to infested area insuring thorough coverage. PRONTO 70 WG may be applied through properly calibrated ground and aerial application equipment. Aerial application of PRONTO 70 WG may result in slower activity and reduced control relative to results from ground application.

Addition of an organosilicone adjuvant at a rate not to exceed 2.0 fluid ounces/100 gallons finished spray solution may improve coverage and pest control.

# BUSHBERRY

Crops of Crop Subgroup 13B including: Blueberry, Currant, Elderberry, Gooseberry, Huckleberry, Juneberry, Lingonberry, Salal

Pests Controlled	Rate Ounces/Acre
Aphids	0.9 - 1.2
Leafhoppers/Sharpshooters	0.9 – 1.2
Blueberry maggot	
Japanese beetle (adults)	1.7 – 2.3
Thrips (foliage feeding thrips only)	
Restrictions:	λ.
Pre-Harvest Interval (PHI): 3 days	
Minimum interval between application: 7 days	
Maximum PRONTO 70 WG allowed per year: 11.4 ounc	es/Acre (0.5 lb ai/A)
Maximum number of PRONTO 70 WG applications per y	ear: 5
Applications:	
- Do not apply pre-bloom or during bloom or when bees a	re actively foraging.

- Minimum application volume (water): 20 GPA – ground, 5 GPA – aerial

# CANEBERRY

### Crops of the Caneberry Crop Subgroup 13A including:

Blackberry (*Rubus* spp. – including Andean Blackberry, Arctic blackberry, Bingleberry, Black satin berry, Boysenberry, Brombeere, California blackberry, Chesterberry, Cherokee blackberry, Cheyene blackberry, Common blackberry, Coryberry, Darrowberry, Dewberry, Dirksen thornless berry, Evergreen blackberry, Himalayaberry, Hullberry, Lavacaberry, Loganberry, Lowberry, Lucretiaberry, Mammoth blackberry, Marionberry, Moras, Mures deronce, Nectarberry, Northern dewberry, Olallieberry, Oregon evergreen berry, Phenomenalberry, Rangeberry, Ravenberry, Rossberry, Shawnee blackberry, Southern dewberry, Tayberry, Youngberry, Zarzamora, and varieties and/or hybrids of these)

**Raspberry** (*Rubus* spp. – including Bababerry, Black raspberry, Blackcap, Caneberry, Framboise, Frambueso, Himbeere, Keriberry, Mayberry, Red raspberry, Thimbleberry, Tulameen, Yellow raspberry, and varieties and/or hybrids of these, and Wild raspberry)

	<b>n</b> (
Pests Controlled	Rate
r ests Controneu	i Nate

	Ounces/Acre
Aphids	
Leafhoppers	2.3
Thrips	
Restrictions:	· · · · · · · · · · · · · · · · · · ·
Pre-Harvest Interval (PHI): 3 days	
Minimum interval between application:	7 days
Maximum PRONTO 70 WG allowed p	er year: 6.9 ounces/Acre (0.3 lb ai/A)
-	
Applications:	
- Do not apply pre-bloom or during blo	oom or when bees are actively foraging.

# CITRUS

**Crops of Crop Group 10 including:** Calamondin, Citrus citron, Citrus hybrids (includes chironja, tangelo, and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Pummelo, Orange (sweet and sour), Satsuma mandarin, White sapote (Casimiroa spp.), and other cultivars and/or hybrids of these

Pests Controlled	Rate Ounces/Acre
Aphids	
Asian citrus psyllid	
Blackfly	20.57
Leafhoppers/Sharpshooters	2.9 - 5.7
Leafminers	(depending on tree size, target pest and infestation
Mealybugs	pressure)
Scales	
Whiteflies	
Pests Suppressed	
Thrips (foliage feeding thrips only)	2.9 – 5.7
Restrictions:	
Pre-Harvest Interval (PHI): 0 days	
Minimum interval between application: 10 days	
Maximum PRONTO 70 WG allowed per year: 1	1.4 ounces/Acre (0.5 lb ai/A)
Applications:	
- Scales – time applications to the crawler stage.	
- Do not apply during bloom or within 10 days prior to bloom or when bees are actively foraging	

- Do not apply during bloom or within 10 days prior to bloom or when bees are actively foraging.

# COFFEE

Pests Controlled	Rate Ounces/Acre
Aphids	
Leafhoppers	2.3
Whiteflies	
Pests Suppressed	
Scales	2.3
Restrictions:	
Pre-Harvest Interval (PHI): 7 days	
Minimum interval between application: 7 days	
Maximum PRONTO 70 WG allowed per year: 11.4 ou	nces/Acre (0.5 lb ai/A)
Do not apply during pre-bloom or during bloom or whe	
Amplication	•
Applications:	( 1) ( 1) ( ) Cost of a section with a section of the second
Apply specified dosage of PRONTO 70 WG as a broad	cast or directed spray to intested area insuring thorough

Apply specified dosage of PRONTO 70 WG as a broadcast or directed spray to infested area insuring thorough coverage. PRONTO 70 WG may be applied through properly calibrated ground or aerial application equipment. Aerial application of PRONTO 70 WG may result in slower activity and reduced control relative to results from

# ground application.

# GRAPE

Including: American bunch grape, Muscadine grape and Vinifera grape.

Pests Controlled	Rate Ounces/Acre
Leafhoppers/Sharpshooters	0.9 – 1.1
Mealybugs Grapeleaf Skeletonizer	1.1
Restrictions: Pre-Harvest Interval (PHI): 0 days Minimum interval between application: 14 days Maximum PRONTO 70 WG allowed per year: 2.2 ou	nces/Acre (0.1 lb ai/A)
Applications: - PRONTO 70 WG may be applied by ground application	tion only.

## HOP

Pests Controlled	Rate Ounces/Acre
Aphids	2.3
Restrictions:	
Pre-Harvest Interval (PHI): 28 days	
Minimum interval between application: 21 days	S
Maximum PRONTO 70 WG allowed per year:	

# POME FRUIT

Crops of Crop Group 11 including: Apple, Crabapple, Loquat, Mayhaw, Pear (including Oriental pear), Quince

Pests Controlled	Rate Ounces/Acre
Leafhoppers	1.3 - 2.3
Aphids (except woolly apple aphid)	
Apple maggot	2.3
Leafminers	2.5
San Jose scale	
FOR PEAR ONLY:	
Mealybugs	5.7
Pear psylla	
Restrictions:	
Pre-Harvest Interval (PHI): 7 days	
Minimum interval between application: 10 days	
Maximum PRONTO 70 WG allowed per year: 11.5 ounce	es/Acre (0.5 lb ai/A)

# **Applications:**

- Do not apply pre-bloom or during bloom or when bees are actively foraging.

- Applications targeting apple maggot should be combined with manufacturer's specified rate of a sticker, such as Nu-Film 17.

## POMEGRANATE

Dente Construction	Data
Pests Controlled	Rate

· · · · · · · · · · · · · · · · · · ·	Ounces/Acre
Aphids	
Leafhoppers/Sharpshooters	2.3
Whiteflies	
Pests Suppressed	
Scales	2.3
Restrictions:	
Pre-Harvest Interval (PHI): 7 days	· ·
Minimum interval between application: 7 days	
Maximum PRONTO 70 WG allowed per year:	
	ate populations of white apple leafhoppers. Use the high rate for Apply this product while most leafhoppers are in the nymph stage.
For optimal control, apply as early as possible. S adult flight against eff and early instar larvae. Fo	as pollination is complete and bees are removed from the orchard. Second and succeeding generations: Make application early in the or continued and severe pest pressure or overlapping generations, oplication may only result in suppression. This product will not
<b>Mealybug:</b> For best results be sure to thoroughl sites.	ly spray and cover the trunk and scaffolding limbs or other nesting
Rosy apple aphid: Begin applications before le	cafrolling.

San Jose scale: Begin applications at the crawler stage and treat subsequent generations.

# **STONE FRUIT**

**Crops of Crop Group 12 including:** Apricot, Cherry (including sweet and tart), Nectarine, Peach, Plum (including Chickasaw, Damson and Japanese), Plumcot, Prune (fresh and dried)

Pests Controlled	Rate Ounces/Acre
Aphids	
Green June beetle	
Japanese beetle	· ·
Leafhoppers/Sharpshooters	1.2 - 2.3
Plant bugs	
Rose chafer	
San Jose scale	
Cherry fruit fly	1.7 – 2.3
Pests Suppressed	·
Plum curculio	2.3
Stink bugs	2.3
Restrictions:	
for Apricot, Nectarine, Peach:	
Pre-Harvest Interval (PHI): 0 days	
Minimum interval between application: 7 days	
	ces/Acre (0.3 lb ai/A)

-Minimum application volume (water): 50 GPA – ground; 25 GPA - aerial	
-Do not apply pre-bloom or during bloom or when bees are actively foraging.	
Notes and Restrictions for Cherries, Plums, Plumcot, Prune	
Pre-Harvest Interval (PHI): 7 days	
Minimum interval between application: 10 days	
Maximum PRONTO 70 WG allowed per year: 11.5 ounces/Acre (0.5 lb ai/A)	
Applications:	
- Minimum application volume (water): 50 GPA – ground; 25 GPA - aerial	
- Do not apply pre-bloom or during bloom or when bees are actively foraging.	

# **TREE NUTS** (except Almond)

**Crops of Crop Group 14 including:** Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hickory nut, Macadamia nut, Pecan, Pistachio, Walnut (black and English)

Pests Controlled	Rate Ounces/Acre
Aphids (except Black pecan aphid)	· · · · · · · · · · · · · · · · · · ·
Leafhoppers/Sharpshooters	
Phylloxera spp. (leaf infestations)	1.0 - 2.0
Spittlebugs	
Whiteflies	
Black pecan aphid	
Mealybugs	2.3
San Jose scale	
Restrictions:	
Pre-Harvest Interval (PHI): 7 days	
Minimum interval between application: 6 days	
Maximum PRONTO 70 WG allowed per year: 8.2 oun	ces/Acre (0.36 lb ai/A)
Applications:	
<ul> <li>Minimum application volume (water): 50 GPA – group</li> </ul>	
- Do not apply pre-bloom or during bloom or when bee	
••	med according to crawler stage, treating each successive
generation. Two applications on a 10- to 14-day interva	
- For Black pecan aphid, use the higher rate to control t	his pest.
<ul> <li>Do not apply after shuck split on pecans</li> </ul>	

# - Do not apply after shuck split on pecans.

# **TROPICAL FRUIT**

**Including:** Acerola, Atemoya, Avocado, Birida, Black sapote, Canistel, Cherimoya, Custard apple, Feijoa, Jaboticaba, Guava, Llama, Longan, Lychee, Mamey sapote, Mango, Papaya, Passionfruit, Persimmon, Pulasan, Rambutan, Sapotilla, Soursop, Spanish lime, Star apple, Starfruit, Sugar apple, Wax jambu

Pests Controlled	Rate Ounces/Acre	
Aphids		
Leafhoppers/Sharpshooters		
Mealybugs	2.3	
Thrips (foliage feeding thrips only)	•	
Whiteflies		
Pests Suppressed		

Scales 2.3 **Restrictions:** Pre-Harvest Interval (PHI): 7 days Minimum interval between applications: 10 days Maximum PRONTO 70 WG allowed per year: 11.5 ounces/Acre (0.5 lb ai/A) **Applications:** - Maximum number of PRONTO 70 WG applications per year: 5 - Do not apply pre-bloom or during bloom or when bees are actively foraging.

# **OTHER CROPS**

## Applications - PRONTO 70 WG

Apply specified rate per acre as a broadcast or directed foliar spray to infested areas as pest populations begin to build. Thorough uniform coverage is necessary to achieve optimum control. A spray adjuvant may be used to improve coverage. PRONTO 70 WG may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. PRONTO 70 WG may be tank mixed with other insecticides as specified for knockdown of pests or for improved control of other pests.

## CHRISTMAS TREE

Pests Controlled	Rate Ounces/Acre
Aphids	
Adelgids	1.2 – 2.3
Sawflies	
Restrictions:	
Minimum interval between applications: 7 days	
Maximum PRONTO 70 WG allowed per year: 11.5	5 ounces/Acre (0.5 lb ai/A)
Applications:	
Gall-forming adelgids - time applications to coincid	le with full bud-swell or first bud-break of earliest bud-breaking
trees. Once galls form spraying will be ineffective.	

# POPLAR/COTTONWOOD

Including members of the genus *Populus* grown for pulp or timber

Pests Controlled	Rate Ounces/Acre
Aphids Leaf beetles	1.2 – 2.3
Restrictions: Minimum interval between applications: 10 days Maximum PRONTO 70 WG allowed per year: 11.5 out	nces/Acre (0.5 lb ai/A)

# STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE**: Store in a cool, dry place, out of direct sunlight, and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

## CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container.

Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. When completely empty, offer for recycling if available, or dispose in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# **IMPORTANT: READ BEFORE USE**

## LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Sulphur Mills Limited. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

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# **Sublabel B - Turf and Ornamental Uses**

# **GROUP** 4A INSECTICIDE

# **PRONTO 70 WG**

# For control of certain insects infesting turf, trees, ornamentals, groundcovers and interior plantscapes

ACTIVE INGREDIENT:	
Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine	70%
OTHER INGREDIENTS:	<u>30%</u>
TOTAL	100%

EPA Reg. No. 70905-3

EPA Est. No.

# STOP – Read the label before use KEEP OUT OF REACH OF CHILDREN CAUTION

IF SWALLOWED:	<ul> <li>FIRST AID</li> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> </ul>	
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>	
IF IN EYES:       • Hold eye open and rinse slowly and gently with water for 15 to 20 m         • Remove contact lenses, if present, after the first 5 minutes, then con rinsing eye.         • Call a poison control center or doctor for treatment advice.		
IF ON SKIN OR CLOTHING:	FON SKIN OR         • Take off contaminated clothing.	

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Cause eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children or pets off treated area until spray is dry.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton
- Protective eyewear
- Shoes plus socks

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

## Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

# **USER SAFETY RECOMMENDATIONS**

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

# ENVIRONMENTAL HAZARDS

This product is toxic to wildlife and highly toxic to aquatic invertebrates. Do not apply directly to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

This chemical demonstrates the properties and characteristics associated with chemical detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

#### TAKE THE FOLLOWING PRECAUTIONS WHEN MIXING AND APPLYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

# SPRAY DRIFT MANAGEMENT

The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

#### **Mixing and Loading Requirements**

To avoid potential contamination of groundwater, the use of a properly designed and maintained containment pad for mixing and loading of any pesticide into application equipment is recommended. If containment pad is not used, maintain a minimum distance of 25 feet between mixing and loading area and potential surface to groundwater conduits such as field sumps, uncased well heads, sinkholes, or field drains.

#### For Aerial Applications

Mount the spray boom on the aircraft so as to minimize drift by wing tip vortices. Use the minimum practical boom length. Do not exceed 75% of the wing span or rotor diameter.

#### **Importance of Droplet Size**

An important factor influencing drift is droplet size. Small droplets (<150 – 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, make applications to deliver the largest droplet spectrum that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.

Release the spray at the lowest possible height consistent with good pest control and flight safety. Do not make applications more than 10 feet above the crop canopy.

#### Wind Speed Restrictions

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are great than 15 mph and avoid gusty and windless conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

## **Restrictions During Temperature Inversions**

Do not make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

#### Airblast (Air Assist) Specific Applications for Tree Crops and Vineyards

Release spray at lowest possible height. Do not apply more than 10 feet above the crop canopy. Airblast sprayers carry droplets into the canopy of trees/vines via a radially, or laterally directed air stream. Use the following specific draft management practices.

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;
- Use only enough air volume to penetrate the canopy and provide good coverage;
- Do not allow the spray to go beyond the edge of the cultivated area (i.e., turn off sprayer when turning at end rows);
- Only spray inward, toward the orchard or vineyard, for applications to the outside rows.

#### **No-Spray Zone Requirements for Foliar Applications**

Do not apply by ground within 25 feet, or by air within 150 feet of lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries and commercial fish farm ponds.

#### **Runoff Management**

Do not cultivate within 10 feet of the aquatic areas to allow growth of a vegetative filter strip. When used on erodible soils employ the best management practices for minimizing runoof. Consult your local Natural Resources Conservation Service in your area.

#### **Endangered Species Notice**

Under the Endangered Species Act, it is a Federal Offense to use any pesticide in a manner that results in the death of a member of an endangered species. Consult your local county bulletin, County Extension Agent, or Pesticide State Lead Agency for information concerning endangered species in your area.

#### **Resistance Management**

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area to help delay or minimize insect resistance.

PRONTO 70 WG contains imidacloprid, a Group 4A insecticide. Insect biotypes with acquired or inherent tolerance to Group 4A product may eventually dominate the insect population if Group 4A products are used repeatedly as the predominant method of control for targeted species. This may eventually result in partial or total loss of control of those species by PRONTO 70 WG and to other Group 4A products.

The active ingredient in PRONTO 70 WG is a member of the neonicotinoid chemical class. Avoid using a block of more than three consecutive applications of PRONTO 70 WG and/or other Group 4A products having the same or similar mode of action. Following a neonicotinoid block of treatments, Sulphur Mills Ltd. strongly encourages the rotation to a block of applications with effective products of a different mode of action before using additional applications of neonicotinoid products. Using a block rotation or windowed approach, along with other IPM practices, is considered an effective use strategy for preventing or delaying an insect pest's ability to develop resistance to this class of chemistry.

Foliar applications of PRONTO 70 WG or other Group 4A products from the neonicotinoid chemical class should not be used on crops previously treated with a long-residual, soil-applied product from the neonicotinoid chemical class.

Other Group 4A neonicotinoid products used as foliar treatments include: Actara, Assail, Calypso, Centric, Clutch, Couraze, Gallant, Impulse, Intruder, Leverage, Nuprid, Pasada, Provado, Trimax Pro and Venom.

Other Group 4A neonicotinoid products uses as soil/seed treatment include: Admire Pro, Advise, Alias, Belay, Couraze, Cruiser, Gaucho, Macho, Macho Max, Nuprid, Platinum, Venom, and Widow.

Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at *http://irac-online.org*.

# **DIRECTIONS FOR USE**

#### It is a violation of Federal law to use this product in a manner inconsistent with its labeling

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

# AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton
- Protective eyewear
- Shoes plus socks

# NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses. Keep children and pets off treated areas until dry.

# TURF AND ORNAMENTALS USES DIRECTIONS FOR USE

# PREPARATION OF SPRAY MIXES

This product is a wettable granule formulation that contains imidacloprid, a systemic insecticide, and readily dissolves in water.

#### How to Prepare Spray Solutions

1. Fill the spray tank with 1/4 to 1/3 of the required amount of clear water and begin agitation.

2. Add the specified amount of this product. Allow this product to be mixed thoroughly to provide a uniform spray solution.

3. Fill the tank with the remaining water needed. Maintain sufficient agitation during mixing and application.

If this product is to be tank-mixed with other pesticides and/or fertilizer solutions, check the compatibility (refer to the Tank Mix Compatibility section below) before adding to the spray tank. Use the following order of addition: 1) PRONTO 70 WG wettable powder; 2) other wettable powders or wettable granules; 3) flowables or suspension concentrates; 4) emulsifiable concentrates. Run agitator as each component is added. Add the next component only after the previous one is thoroughly mixed. Then add the remaining amount of water to the spray tank. To ensure a uniform spray mixture, maintain constant agitation during both mixing and application.

#### **Tank Mix Compatibility**

This product has been found to be compatible with commonly used liquid fertilizers, fungicides and insecticides. Before preparing tank mixtures with this product, especially if compatibility is not known, carry out the following small jar test using the desired tank mix partners.

1. Add the proportionate amount of each component in the appropriate order to a pint or a quart jar.

2. Replace the cap, shake for 5 minutes, and allow the mixture to settle for 5 minutes.

3. Observe the jar for signs indicating an incompatible mixture. If the contents can be re-mixed by shaking and readily re-suspends, it is considered compatible. If the mixture separates out, foams, or forms a gel or lumps, then the mixture is not compatible.

#### Restrictions

1. Do NOT apply through any type of irrigation system.

2. Keep children and pets off treated areas until dry.

3. Do not allow livestock to graze in treated areas or use clippings from treated areas for feed or forage.

4. Do not allow runoff of irrigation water.

5. Do not allow puddling of irrigation water.

**Rotation Crops:** Crops which are listed on imidacloprid labels or crops that have existing tolerances for imidacloprid may be planted in treated areas as soon as practical after the last imidacloprid application. Crops that are not found on an imidacloprid label, or crops that do not have existing tolerances for imidacloprid, may not be planted in treated areas for 12-months after the last application. Note that if cover crops are planted any time after an application of this product for soil building or erosion control those crops may not be grazed or harvested for food or feed.

#### TURF

This product will control or suppress soil-inhabiting pests in lawns or grassy areas in residential and non-residential areas and sod farms (refer to table below for sites). Best control is obtained when applications are made before or during the egg laying period. Irrigation is required after application to ensure residues of this product are moved through the thatch and into the soil layer. Refer to the table below for additional application instructions. Additional information on when to apply can be obtained from your local Agricultural Experiment Station, State Extension Turf Specialist, or Sulphur Mills Limited representative.

# Turfgrasses around airports, athletic fields, cemeteries, golf courses, homes and multi-family residential buildings, office buildings or office parks, parks and playgrounds, shopping centers, and sod farms

Pests Controlled	Number of Teaspoons of Product to Treat 1,000 Sq. Ft. (Ounces/Acre)
Larvae of:	
Annual bluegrass weevil	
Asiatic garden beetle	
Billbugs	1.0 2.0 top
Black turfgrass ataenius	1.0 - 2.0 tsp.
Cutworms (suppression only)	(5.8 - 9.2  ounces/acre)
European Chafer	OR
European Crane Fly	OK
Green June beetle	1.25 - 2.0 tsp.
Japanese beetle	(7.0 - 9.2  ounces/acre)
Northern masked chafer	(7.0 - 9.2 buildes/acte)
Oriental beetle	
Phyllophaga spp.	
Southern masked chafer	
Chinchbugs (suppression only)	2.0 tsp.
Mole Crickets	(9.2 ounces/acre)
Restrictions:	
Do not apply more than 9.2 oz (0.4 lb of active in	ngredient) per acre per year.
Do not apply through any irrigation system.	
Applications:	
	the turf receives an even uniform distribution of spray. Accurately
	lication of insecticides must be used and calibration must be check
	meant that meady and uniform accore desplat approve with a law

often to ensure equipment works properly. Equipment that produces uniform, coarse droplet sprays with a low pressure setting will help to eliminate drift to non-target sites.

In order for this product to be adequately distributed, do not apply the product to waterlogged grassy areas or to water-saturated soils.

Rainfall or irrigation must occur within 24 hours of application to move this product vertically through the thatch and into the soil.

Wait until after sufficient rainfall or irrigation has occurred to mow the grass.

Annual Bluegrass weevil, Billbugs, European Crane Fly, and Grubs: For best results make applications before egg hatch.

Chinchbugs: Make applications before hatching of first instar nymphs.

**Mole Crickets:** Make applications before or during the peak egg hatching period. This product may be applied with a remedial insecticide when adults or large nymphs are present and actively tunneling.

**Equivalents:** 3 level teaspoons = 1 level tablespoon 1 level teaspoon = 3.4 grams of this product

# TREES, ORNAMENTALS, GROUNDCOVERS AND INTERIOR PLANTSCAPES

This product may be applied by broadcast or foliar application to evergreens, flowers, foliage plants, groundcovers, interior plantscapes, non-bearing fruit and nut trees, ornamentals, shrubs, trees, vegetable plants intended for resale,

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and state, national, and private wooded forested areas (refer to table below for sites) to control or suppress insects. This product is a systemic insecticide that is absorbed by the roots and moves upward into the plant. For this product to control insects, it must come in contact with growing parts of the plant. Plant absorption of this product may be increased in some cases if it is applied with a fertilizer that contains nitrogen. Plants absorb this product from either foliar or soil applications. Refer to the table below for further instructions.

**Woody Perennials:** Protection in woody perennials is slower than in herbaceous species. Expect a delay of 2 or more weeks with longer delays for larger plants. Because of this, make applications to woody perennials well in advance of expected insect activity.

**Bark Media:** This product treatments to media with 30-50% or more bark content may confer a shorter period of protection.

Trees and Shrubs, Evergreens, Flowers, Ornamentals, Groundcovers, and Interior Plantscapes in and around residential, industrial, and commercial buildings and state, national, and private wooded and forested areas

Pests Controlled	Number of Teaspoons of Product to Treat
	1,000 Sq. Ft. (Ounces/Acre)
Adelgids	
Aphids Japanese beetle (adult)	Foliar application:
Lacebugs	0.125 tsp. in 2.5 gal. water
Leaf beetles (including elm and viburnum leaf beetles)	0.25 tsp. in 5 gal. water
Leafhoppers (including glassy-winged sharpshooter)	0.5 tsp. in 10 gal. water
Leafminers	1.25 tsp. in 25 gal. water
Mealybugs	2.5 tsp. in 50 gal. water
Sawfly larvae	
Thrips (suppression only)	5 tsp. in 100 gal. water
Whiteflies	
White grub larvae (including Asiatic garden beetle,	Broadcast application:
chafers, Phyllophaga spp., Japanese beetle larvae, and	1.25 – 2.0 level teaspoons per 1,000 sq. ft.
Oriental beetle)	(7.0 - 9.2  ounces/acre)
Restrictions:	
Outdoor ornamentals: Do not apply by broadcast applicati	on more than 9.2 oz (0.4 lb active ingredient) per acre
per year.	
Applications:	
Foliar Application: Apply this product in a sufficient volum	
applications will provide systemic activity against target pest	S.
,	
If plants (such as holly, pine or ivy) have foliage that is diffic	cult to wet, Sulphur Mills Limited recommends this
product be applied with a spreader/sticker.	
Time applications to occur before heavy pest populations aris	se; make repeat applications as necessary.
Broadcast Application: Mix the specified amount of this pu	
the treatment area. Apply in a minimum of 2 gallons of wate	er per 1,000 sq. It. Alter application, irrigate the treated
areas to incorporate this product into the upper soil.	
Fourier lenter 2 level teaseans = 1 level tehlesean	

**Equivalents:** 3 level teaspoons = 1 level tablespoon 1 level teaspoon = 3.4 grams of this product

Trees in and around residential, industrial, and commercial buildings, Interior plantscapes and state, national, and private wooded and forested areas

Pests Controlled	Number of Teaspoons of Product to Treat
	1,000 Sq. Ft. (Ounces/Acre)

# Adelgids

Aphids
Armored Scale (suppression only)
Black vine weevil larvae
Emerald Ash Borer
Eucalyptus Longhorned Borers
Flatheaded Borers (including bronze birch and alder
borers)
Japanese Beetles (adults)
Lacebugs
Leaf Beetles (including elm and viburnum leaf beetles)
Leafhoppers (including glassy-winged sharpshooter)
Leafminers
Mealybugs
Pine Tip Moth larvae
Psyllids
Royal Palm Bugs
Sawfly larvae
Soft Scales
Thrips (suppression only)
White grub larvae
Whiteflies

Soil Injection and Soil Drench: 0.25 – 0.5 level teaspoons per inch of trunk diameter (DBH)

or

1 – 2 oz per 30 cumulative inches of trunk diameter (DBH)

#### **Restrictions:**

Do not apply this product by soil injection in Nassau or Suffolk Counties in the state of New York. Do not apply more than 9.2 oz (0.4 lb of active ingredient) per acre per year.

#### Applications

Soil Injection: Use at least 4 holes per tree.

Grid System: Space injection holes on 2.5 ft. centers that extend to the drip line of the tree.

**Circle System:** Evenly space injection holes in circles from the drip line in toward the trunk. More than one circle may be needed depending on tree size.

**Basal System:** Place injection holes evenly around the base of the tree trunk that extends only 6 to 12 inches from the base.

Prepare this product in a sufficient volume of water so an equal amount of solution is injected into each hole using a low pressure. Use enough solution so that it reaches the root zone. Irrigation or rainfall for 7-10 days after application will provide optimum control.

**Soil Drench:** Before application, be sure there are no physical barriers (such as plastic tarp) present that may prevent the solution from reaching the root zone. Apply in a minimum of 10 gallons of water per 1,000 sq. ft. Apply the spray solution uniformly around the base of the tree ensuring the drench is directed at the root zone.

**Borers:** If trees are heavily infested, an application of this product may not prevent the loss of the trees from existing pest damage and tree stress.

**Equivalents:** 3 level teaspoons = 1 level tablespoon 1 level teaspoon = 3.4 grams of this product

Shrubs in and around residential, industrial, and commercial buildings and state, national, and private wooded areas

Pests Controlled	Number of Teaspoons of Product to Treat	
	1,000 Sq. Ft. (Ounces/Acre)	

# Adelgids

Aphids
Armored Scale (suppression only)
Black vine weevil larvae
Emerald Ash Borer
Eucalyptus Longhorned Borers
Flatheaded Borers (including bronze birch and alder
borers)
Japanese Beetles (adults)
Lacebugs
Leaf Beetles (including elm and viburnum leaf beetles)
Leafhoppers (including glassy-winged sharpshooter)
Leafminers
Mealybugs
Pine Tip Moth larvae
Psyllids
Royal Palm Bugs
Sawfly larvae
Soft Scales
Thrips (suppression only)
White grub larvae
Whiteflies

Soil Injection and Soil Drench: 0.25 - 0.5 level teaspoons per foot of shrub height

or

1 – 2 oz per 30 cumulative feet of shrub height

#### **Restrictions:**

Do not apply this product by soil injection in Nassau or Suffolk Counties in the state of New York. Do not apply more than 9.2 oz (0.4 lb of active ingredient) per acre per year.

#### **Applications:**

Soil Injection: Use at least 4 holes per shrub.

Prepare this product in a sufficient volume of water so an equal amount of solution is injected into each hole using a low pressure. Use enough solution so that it reaches the root zone of the individual shrubs. Irrigation or rainfall for 7-10 days after application will provide optimum control.

**Soil Drench:** Before application, be sure there are no physical barriers (such as plastic tarp) present that may prevent the solution from reaching the root zone. Apply in a minimum of 10 gallons of water per 1,000 sq. ft. Apply the spray solution uniformly around the base of the tree ensuring the drench is directed at the root zone.

**Equivalents:** 3 level teaspoons = 1 level tablespoon

llevel teaspoon = 3.4 grams of this product

Flowers and Ground covers in and around residential, industrial, and commercial buildings and state, national, and private wooded areas

Pests Controlled	Number of Teaspoons of Product to Treat
	1,000 Sq. Ft. (Ounces/Acre)
······	

## Adelgids

Aphids
Armored Scale (suppression only)
Black vine weevil larvae
Emerald Ash Borer
Eucalyptus Longhorned Borers
Flatheaded Borers (including bronze birch and alder
borers)
Japanese Beetles (adults)
Lacebugs
Leaf Beetles (including elm and viburnum leaf beetles)
Leafhoppers (including glassy-winged sharpshooter)
Leafminers
Mealybugs
Pine Tip Moth larvae
Psyllids
Royal Palm Bugs
Sawfly larvae
Soft Scales
Thrips (suppression only)
White grub larvae
Whiteflies

Broadcast application: 1.25 – 2.0 level teaspoons per 1,000 sq. ft. (7.0 – 9.2 ounces/acre)

**Restrictions:** 

Do not apply more than 9.2 oz (0.4 lb of active ingredient) per acre per year.

#### **Applications:**

Applications Prior to Planting Plants or to Established Plants: After application, this product must be incorporated into the soil. Irrigation to established plants after application will provide best results.

Equivalents: 3 level teaspoons = 1 level tablespoon 1 level teaspoon = 3.4 grams of this product

#### To Manage Ants in the Ornamentals listed above

Pests Controlled	Number of Teaspoons of Product to Treat 1,000 Sq. Ft. (Ounces/Acre)
Aphids	
Scale	See above
Mealy Bugs	See above
Other Sucking Insects	
Applications:	
When this product is used to control these insects, a	ints are also controlled by limiting the honeydew available as a

Equivalents: 3 level teaspoons = 1 level tablespoon llevel teaspoon = 3.4 grams of this product

# Pome Fruit in and around Residential Areas including: apple, crabapple, loquat, mayhaw, pear (including Oriental pear), quince

Pests Controlled	Use Rate
Aphids (except Wooly apple aphid)	0.5 oz per 100 gal.

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Leafhoppers (including glassy-winged sharpshooter)	(equivalent to 2 oz product per acre)
Leafminer	
Mealybugs	
San Jose Scale	

#### **Restrictions:**

Wait at least 10 days in between applications.

Do not apply more than 2.1 oz per acre per application

Make only 5 applications per year.

Harvest fruit 7 days or longer after the last application.

#### **Applications:**

Foliar Application: Apply as needed after petal-fall. The use rate per acre is based on a standard of 400 gallons of dilute spray per acre for large trees; therefore, adjust the amount of this product depending on the tree size and amount of foliage present.

#### Rosy Apple Aphid: Apply prior to leaf rolling.

Leafhopper: For late season (preharvest) control, apply while most leafhoppers are in the nymph stage. Leafminer: First generation - Apply as soon as pollination is complete and bees are removed from the orchard. For optimal control, apply as early as possible. Second and succeeding generations - Make applications early in the adult fight against eff and early instar larvae. For continued and severe pest pressure or overlapping generations, make a second application 10 days later. One application may only result in suppression. This product will not control late instar larvae.

Mealybug: For best results, be sure to thoroughly spray and cover the trunk and scaffolding limbs or other nesting sites.

San Jose Scale: Time applications to the crawler stage and treat each generation. Do not use this product on this pest in pears in the state of California.

**Equivalents:** 3 level teaspoons = 1 level tablespoon

1 level teaspoon = 3.4 grams of this product

#### Pecans in and around Residential Areas

Use Rate
0.5 oz per 100 gal.
(equivalent to 2 oz product per acre)
· · · · · · · · · · · · · · · · · · ·
er year.
uilds but before infestation is extremely heavy. The use ite spray per acre for large trees; therefore, adjust the nount of foliage present. Adequate control may be achieved est results, thorough and uniform spray coverage of foliage

1 level teaspoon = 3.4 grams of this product

# Ornamental Grapes in and Around Industrial and Commercial Buildings, and Residential Areas

Pests Controlled	Use Rate
Leafhoppers (including glassy-winged sharpshooter)	0.5 oz per 100 gal.

# (equivalent to 2 oz product per acre)

## Mealybugs Restrictions:

Wait at least 14 days in between applications. Do not apply more than 2 oz of this product per acre per year. Fruit may be harvested on the day of the last application.

#### **Applications:**

Apply as a foliar spray using 200 gallons of water per acre.

**Equivalents:** 3 level teaspoons = 1 level tablespoon 1 level teaspoon = 3.4 grams of this product

## **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place, out of direct sunlight, and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container.

Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. When completely empty, **offer for recycling if available**, or dispose in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# IMPORTANT: READ BEFORE USE LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness

or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Sulphur Mills Limited. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTANT WITH APPLICABLE LAW, SULPHUR MILLS LIMITED MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. NO AGENT OF SULPHUR MILLS LIMITED IS AUTHORIZED TO MAKE ANY WARRANTIES BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN. SULPHUR MILLS LIMITED DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT SULPHUR MILL'S ELECTION, THE REPLACEMENT OF PRODUCT.

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Manufactured by: SULPHUR MILLS LIMITED 604/605, 349 Business Point, Western Express Highway Andheri (E), Mumbai – 400 069, India Website: <u>www.sulphurmills.com</u>

# **Sublabel C: Poultry House Use**

GROUP **4**A INSECTICIDE

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# PRONTO 70 WG

# For control of darkling beetles and hide beetles in poultry houses.

ACTIVE INGREDIENT:	
Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine	70%
OTHER INGREDIENTS	<u>30%</u>
TOTAL	100%

#### EPA Reg. No. 70905-3

EPA Est. No.

# STOP – Read the label before use KEEP OUT OF REACH OF CHILDREN CAUTION

For 24-Hour Emergency Contact, Call CHEMTREC (1-800-424-9300)

FIRST AID		
IF SWALLOWED:	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>	
IF IN EYES:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>	
IF ON SKIN OR CLOTHING:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>	
You may also contact 1-80	or label with you when calling a poison control center or doctor, or going for treatment. 20-424-9300 for emergency medical treatment information. Decific antidote is available. Treat the patient symptomatically.	

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Cause eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children or pets off treated area until spray is dry. Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton
- Protective eyewear
- Shoes plus socks

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

#### **Engineering controls statements:**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

# USER SAFETY RECOMMENDATIONS

## Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

# **ENVIRONMENTAL HAZARDS**

This product is toxic to wildlife and highly toxic to aquatic invertebrates. Do not apply directly to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

This chemical demonstrates the properties and characteristics associated with chemical detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

# TAKE THE FOLLOWING PRECAUTIONS WHEN MIXING AND APPLYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

# AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the

statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton
- Protective eyewear
- Shoes plus socks

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses. Keep children and pets off treated areas until dry.

#### Darkling Beetle and Hide Beetle Control in Poultry Facilities

Use Pronto70 WG as a surface, spot, or crack and crevice treatment to floors, walls, and support beams of poultry facilities. Pronto 70 WG may be applied within 25 around the perimeter of the poultry house. **DO NOT APPLY WHEN BIRDS ARE PRESENT.** Cover or remove exposed feed and water from the area to be treated. Allow treated surfaces to dry before restocking/reintroduction birds into the facility.

#### MIXING AND APPLICATION INSTRUCTIONS AND RATES:

- 1. Determine the area (number of square feet) to be treated. Refer to the Mixing Table below for the amount of Pronto 70 WG to be used.
  - 2. Mix the required amount of Pronto 70 WG with the appropriate amount of water and apply as a spray. Fill the sprayer tank with ½ of the water desired for the treatment.
  - 3. Begin agitating the water and add the required amount of product to the tank.
  - 4. Continue mixing and add the remaining water. Maintain sufficient agitation during product application to ensure a uniform spray.
  - 5. Prepare a fresh spray mixture before each treatment.

Pests to Control	Pronto 70 WG Per 1,000 Feet <sup>2</sup>	Gallons of Water Per 1,000 Feet <sup>2</sup>
Darkling Beetles & Hide Beetles	0.14 lbs.* (64g)*	0.5 - 2 gallons

## MIXING TABLE FOR PRONTO 70 WG

\*Equivalent to 45 grams of imidacloprid a.i./1,000ft<sup>2</sup>.

**CONVERSION KEY**: 128 fl. oz. = 1 gal., 16 fl. oz. =1 pint, 8 pints = 1 gal., 1 fl oz. = 29.5 mL

#### **APPLICATION TIMING**

Apply between flocks, following de-caking/sanitation procedures.

#### **APPLICATION INSTRUCTIONS**

**Band Application:** When darkling beetles are concentrated in certain areas, such as under feed or water lines, or along the perimeter walls, it may not be necessary to treat the entire poultry house. In these situations, certain

portions of the house or "bands" may be treated. For example, apply diluted Pronto 70 WG to a 3-foot wide band of litter under all of the feed and/or water lines in the house; a 3-foot wide band of litter adjacent to the side and end walks: and the lower section of the walls, including 1 foot up onto wood surfaces above the foundation. Be sure to measure the actual area (square feet) to be treated in order to determine the amount of Pronto 70 WG needed for application.

Whole House Application: When darkling beetle infestation is severe, the entire house may need to be treated. Apply diluted Pronto 70 WG as a broadcast spray to the litter covering the entire floor area, especially to litter under feed and water lines, as well as to the lower sections of the walls, including 1 foot up onto wood surfaces above the concrete foundation.

In houses with support beams, treat the litter surface around each support post and 1 foot up each post. Also apply diluted spray to cracks and crevices around wall insulation, where beetles have been seen or can find harborage.

#### **RESISTANCE MANAGEMENT**

Darkling beetles, like all insect, have the ability to develop resistance to insecticides. When a single chemical class is used continuously this increase the likelihood that resistance to that chemical class will develop. Pronto 70 WG contains imidacloprid, which belongs to the class of chloronicotinyl insecticides. Pronto 70 WG should be used in an insecticide rotation program with other classes of insecticide including pyrethroids, organophosphates, and spinosyns to prevent resistance and preserve the product's effectiveness for darkling beetle control.

- Read and follow all label directions when using Pronto 70 WG or any other insecticide.
- Do not use Pronto 70 WG or any other insecticide product at lower than the specified label rate. This exposes the insects to a sublethal dose and increases the development of resistance.
- Use integrated Pest Management (IPM) strategies in addition to insecticide treatments to manage darkling beetle population.

When pest exclusion at possible entry points is desired, supplement Pronto 70 WG treatments with targeted applications of pyrethroid insecticide to the building perimeter, foundation, doors, and windows, utility entry points, and other places where pest may enter the structure. Read and follow all label directions for use of other products.

# STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place, out of direct sunlight, and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container.

Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. When completely empty, **offer for recycling if available**, or dispose in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

# **IMPORTANT: READ BEFORE USE**

#### LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Sulphur Mills Limited. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

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