

70905-3

10/02/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

NOTIFICATION

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OCT 02 2012

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

Subject **Notification** Alternate Brand Name to be "IMIDASHOT DF Insecticide"
Pronto 70 WG Insecticide
EPA Reg No 70905-3
Your letter dated August 30, 2012

Dear Dr Brooks

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 8-30-2012 for the product EPA Reg No 70905-3 The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10 The label submitted with the application has been stamped "Notification" and will be placed in our records

If you have any questions, please call me @ 703-305-5314 or metzger autumn@epa.gov

Sincerely,

Autumn Metzger
Biologist
Insecticide-Rodenticide Branch
Office of Pesticide Programs

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United States
Environmental Protection Agency
 Washington DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1 Company/Product Number Sulphur Mills/ 70905-3	2 EPA Product Manager Driss Benmhend	3 Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) Sulphur Mills/ Pronto 70 WG Insecticide	PM# 01	
5 Name and Address of Applicant (Include ZIP Code) Sulphur Mills c/o Ag Chem Consulting 12208 Quinque Lane Clifton VA 20124 <input type="checkbox"/> Check if this is a new address	6 Expedited Review In accordance with FIFRA Section 3(c)(3) (b)(i) my product is similar or identical in composition and labeling to EPA Reg No _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION OCT 02 2012
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application	
<input checked="" type="checkbox"/> Notification Explain below	<input type="checkbox"/> Other Explain below	

Explanation Use additional page(s) if necessary (For section I and Section II)

Notification of Additional Brand name IMIDASHOT DF Insecticide
 This notification is consistent with the provisions of PR Notice 98 10 and EPA regulations at 40CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98 10 and 40CFR 152.46 this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1 Material This Product Will Be Packaged In				2 Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Metal Plastic Glass <input checked="" type="checkbox"/> Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt	No per container	If Yes Package wgt	No per container
3 Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4 Size(s) Retail Container 5 10 and 30 lb bags		5 Location of Label Directions <input checked="" type="checkbox"/> On bag	
6 Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1 Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application)					
Name Dr. Matthew Brooks		Title Director Ag Chem Consulting		Telephone No. (include Area Code) 703 266 0128	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6 Date Application Received (Stamped)
2 Signature 			3 Title Regulatory Consultant		
4 Typed Name Matthew Brooks		5 Date 8-30-12			



AG-CHEM CONSULTING
PESTICIDE SCIENCE AND REGISTRATION
12208 QUINQUE LANE CLIFTON VA 20124
(703) 266 0128 MWBROOKS@AGCHEM.COM
(703) 266 4377 FAX

August 30, 2012

Driss Benmhend
Product Manager 01
Insecticide-Rodenticide Branch
Registration Division (7504P)
One Potomac Yard (South Building)
2777 S Crystal Drive
Arlington, VA 22202

Subject IMIDASHOT DF Insecticide
Notification of Alternate Brand Name for Pronto 70 WG Insecticide
EPA Reg No 70905-3

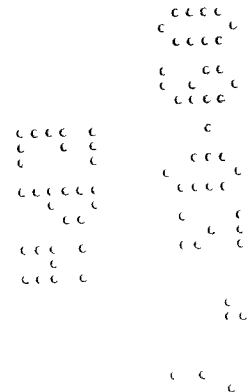
Dear Mr Benmhend,

Ag-Chem Consulting, on behalf of Sulphur Mills, hereby submits the following Notification of Alternate Brand Name for the above product

Should you have any questions or require additional information, please do not hesitate to contact me at 703-266-0128

Very Sincerely,

Dr Matthew Brooks
Director, Ag-Chem Consulting
An Authorized Representative for Sulphur Mills



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NOTIFICATION

OCT 02 2012

MASTER LABEL

Pronto 70 WG

Alternate Brand Name IMIDASHOT DF Insecticide

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 corn 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 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 Landscapes** including evergreens, flowers, foliage plants, groundcovers, interior landscapes, non-bearing fruit and nut trees, ornamentals, shrubs, trees, vegetable plants intended for resale and state, national and private wooded forested areas

ACTIVE INGREDIENT		
	Imidacloprid 1 [(6 Chloro 3 pyridinyl)methyl] N nitro 2 imidazolidinimine	70%
INERT INGREDIENTS		30%
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

Sublabel A - Agricultural Uses

GROUP	4A	INSECTICIDE
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Pronto 70WG Insecticide

Alternate Brand Name IMIDASHOT DF Insecticide

For control of certain insects infesting various crops

ACTIVE INGREDIENT		
Imidacloprid 1 [(6 Chloro 3 pyridinyl)methyl] N nitro 2 imidazolidinimine		70%
INERT INGREDIENTS		30%
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 style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by a poison control center or doctor • Do not give anything by mouth to an unconscious person
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes • Remove contact lenses if present after the first 5 minutes then continue rinsing eye • Call a poison control center or doctor for treatment advice
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15 to 20 minutes • Call a poison control center or doctor for treatment advice
Have a product container or label with you when calling a poison control center or doctor or going for treatment You may also contact 1 800 424 9300 for emergency medical treatment information	
Note to physician No specific 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 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 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

IMIDASHOT DF Insecticide 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 IMIDASHOT DF and to other Group 4A products.

The active ingredient in IMIDASHOT DF is a member of the neonicotinoid chemical class. Avoid using a block of more than three consecutive applications of IMIDASHOT DF 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 IMIDASHOT DF 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 used 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

AGRICULTURAL USES APPLICATION DIRECTIONS

Do Not Apply IMIDASHOT DF in Enclosed Structures Such As Greenhouses or Planthouses

Apply IMIDASHOT DF 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 IMIDASHOT DF on leaves and fruit may result in loss of insect control or delay in onset of activity. IMIDASHOT DF 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. IMIDASHOT DF may also be applied by overhead chemigation (see additional CHEMIGATION DIRECTIONS FOR USE section below) if allowed in crop specific application section.

IMIDASHOT DF 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 IMIDASHOT DF to honey bees and other pollinators. Do not use of IMIDASHOT DF on crops requiring bee pollination during bloom and a minimum of 10 days prior to bloom. Additional information on IMIDASHOT DF 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 season, 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 IMIDASHOT DF. Complete filling tank with balance of water needed. Maintain sufficient agitation during both mixing and application. IMIDASHOT DF may also be used with other pesticides and/or fertilizer solutions. Please see Compatibility Note below. When tank mixtures of IMIDASHOT DF and other pesticides are involved, prepare the tank mixture as recommended above and follow suggested Mixing Order below.

Mixing Order

When pesticide mixtures are needed, add IMIDASHOT DF 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 IMIDASHOT DF 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 IMIDASHOT DF may be made to crops through overhead sprinkler chemigation systems if specified in crop specific Recommended Application sections Do not apply IMIDASHOT DF through any other type of irrigation system

Water Volume

IMIDASHOT DF chemigation applications should be made as concentrated as possible Retention of IMIDASHOT DF on target site of insect infestation is necessary for optimum activity Chemigation of IMIDASHOT DF 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 pipeline must

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 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 – IMIDASHOT DF Insecticide

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. IMIDASHOT DF may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. IMIDASHOT DF 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 <i>Lygus hesperus</i>) Green stink bug Southern green stink bug Bollworm/Budworm (ovicidal effect)	0.7 – 1.4
Pests Suppressed	
<i>Lygus</i> bug (<i>Lygus hesperus</i>) Whiteflies (other than bandedwinged whitefly)	1.1 – 1.4
Restrictions Pre Harvest Interval (PHI) 14 days Minimum interval between application 7 days Maximum IMIDASHOT DF allowed per crop season 7 ounces/Acre (0.31 lb ai/A)	

Do not graze treated fields after any application of IMIDASHOT DF

Applications
 - IMIDASHOT DF may be applied through properly calibrated ground aerial or chemigation application equipment

Tank Mix Applications		
Pests Controlled (in addition to pests listed above)	IMIDASHOT DF Rate Ounces/Acre	Bidrin® 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® 8 product label for specific use recommendations observe all restrictions and precautions that appear on the label

PEANUT*

Pests Controlled	Rate Ounces/Acre
Aphids Leafhoppers Whiteflies	1.0

Restrictions
 Pre Harvest Interval (PHI) 14 days
 Minimum interval between application 5 days
 Maximum IMIDASHOT DF allowed per crop season 3 ounces/Acre (0.13 lb ai/A)
 *Use not permitted in California unless otherwise directed by supplemental labeling

POTATO

Pests Controlled	Rate Ounces/Acre
Aphids Colorado potato beetle Flea beetles Leafhoppers Psyllids	1.1

Restrictions
 Pre Harvest Interval (PHI) 7 days
 Minimum interval between application 7 days
 Maximum IMIDASHOT DF allowed per crop season 4.6 ounces/Acre (0.2 lb ai/A)

TOBACCO

Pests Controlled	Rate Ounces/Acre
Aphids	0.6 – 1.2
Flea beetles Japanese beetle	1.2

Restrictions
 Pre Harvest Interval (PHI) 14 days

Minimum interval between application **7 days**
 Maximum IMIDASHOT DF allowed per crop season **6.4 ounces/Acre** (0.28 lb ai/A)

VEGETABLE AND SMALL FRUIT CROPS
Applications – IMIDASHOT DF Insecticide

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. IMIDASHOT DF may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. IMIDASHOT DF 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 (www.epa.gov) 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 Leafhoppers Whiteflies	1.1 – 1.8
Pepper weevil (Pepper only)	1.8
<p>Restrictions Pre-Harvest Interval (PHI) 0 days Minimum interval between application 5 days Maximum IMIDASHOT DF allowed per crop season 5.5 ounces/Acre (0.24 lb ai/A)</p> <p>Applications For pepper weevil, apply specified dosage of IMIDASHOT DF by ground equipment only, timing applications prior to a damaging population becoming established. Good coverage of foliage and fruit is necessary for optimum control. Applications of IMIDASHOT DF must be incorporated into a full season program where alternations of effective products from multiple classes of chemistry and different modes of action are utilized in a blocked or windowed approach. For additional information, please contact your Sulphur Mills Limited representative, Extension Specialist or crop advisor.</p> <p>When targeting adult whiteflies, use higher rates.</p> <p>*Not for use on crops grown for seed unless allowed by state specific supplemental labeling.</p>	

GLOBE ARTICHOKE

Pests Controlled	Rate Ounces/Acre
Aphids Leafhoppers	1.1 – 2.9
<p>Restrictions Pre Harvest Interval (PHI) 7 days Minimum interval between application 14 days Maximum IMIDASHOT DF allowed per crop season 11.5 ounces/Acre (0.5 lb ai/A)</p>	

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

Pests Controlled	Rate Ounces/Acre
Aphids Flea beetles Leafhoppers Whiteflies	1 0
<p>Restrictions Pre Harvest Interval (PHI) 7 days Minimum interval between application 5 days Maximum IMIDASHOT DF allowed per crop season 3 0 ounces/Acre (0 13 lb ai/A)</p> <p>Applications IMIDASHOT DF 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</p> <p>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</p> <p>*Use not permitted in California unless otherwise directed by supplemental labeling</p>	

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
<p>Restrictions Pre Harvest Interval (PHI) 7 days Minimum interval between application 5 days Maximum IMIDASHOT DF allowed per crop season 5 5 ounces/Acre (0 24 lb ai/A)</p> <p>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</p>	

*Not for use on crops grown for seed unless allowed by state specific supplemental labeling
 † **Not for use in California**

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 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 IMIDASHOT DF 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 supplemental labeling † Not for use in California	

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 Whiteflies	1 0
Restrictions Pre Harvest Interval (PHI) 7 days Minimum interval between application 7 days Maximum IMIDASHOT DF allowed per crop season 3 0 ounces/Acre (0 13 lb ai/A)	

*Not for use on crops grown for seed unless allowed by state specific supplemental labeling

ROOT, TUBEROUS AND CORM VEGETABLES¹

Crops of Crop Group 1 (except sugarbeet) plus Kava including Arracacha, Arrowroot Artichoke (Chinese and Jerusalem) Beet (garden)² Burdock (edible)² Canna (edible Queensland arrowroot) Carrot² Cassava (bitter and sweet)² Celeriac² Chayote (root) Chervil (turnip rooted)² Chufa Dasheen (taro)² Ginger, Ginseng Horseradish Kava^{2 3} Leren Parsley (turnip rooted) Parsnip² Radish², Oriental radish (diakon)², Rutabaga², Salsify (black)², Salsify (oyster plant), Salsify (Spanish) Skirret Sweetpotato² Tanier (cocoyam)² Tumeric Turnip² Yam bean (jicama manioc pea) Yam (true)²

(For applications rates on potato see Field Crops Section)

Pests Controlled	Rate Ounces/Acre
Aphids Flea beetles Leafhoppers Whiteflies	1 0
Restrictions Pre Harvest Interval (PHI) 7 days Minimum interval between application 5 days Maximum IMIDASHOT DF 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 Maximum IMIDASHOT DF applications per crop season 1 on Radish 3 on other crops ¹ Not for use on crops grown for seed unless allowed by state specific supplemental labeling ² Tops or greens from these crops may be utilized for food or feed ³ Use not permitted in California unless otherwise directed by Supplemental Labeling	

STRAWBERRY

Pests Controlled	Rate Ounces/Acre
Aphids Spittlebugs Whiteflies	1 1
Restrictions Pre Harvest Interval (PHI) 7 days Minimum interval between application 5 days Maximum IMIDASHOT DF 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 – IMIDASHOT DF Insecticide

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. IMIDASHOT DF may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. IMIDASHOT DF may be tank mixed with other insecticides as specified for knockdown of pests or for improved control of other pests. Aerial

application of IMIDASHOT DF 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 (www.epa.gov) for latest crop groups

BANANA AND PLANTAIN*

Pests Controlled	Rate Ounces/Acre
Aphids Leafhoppers Thrips	2.3
<p>Restrictions Pre Harvest Interval (PHI) 0 days Minimum interval between application 14 days Maximum IMIDASHOT DF allowed per crop season 11.4 ounces/Acre (0.5 lb ai/A)</p> <p>Applications Apply specified dosage of IMIDASHOT DF as a broadcast or directed spray to infested area insuring thorough coverage IMIDASHOT DF may be applied through properly calibrated ground and aerial application equipment Aerial application of IMIDASHOT DF may result in slower activity and reduced control relative to results from ground application</p> <p>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</p> <p>*Use not permitted in California unless otherwise directed by supplemental labeling</p>	

BUSHBERRY

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

Pests Controlled	Rate Ounces/Acre
Aphids Leafhoppers/Sharpshooters	0.9 – 1.2
Blueberry maggot Japanese beetle (adults) Thrips (foliage feeding thrips only)	1.7 – 2.3
<p>Restrictions Pre Harvest Interval (PHI) 3 days Minimum interval between application 7 days Maximum IMIDASHOT DF allowed per crop season 11.4 ounces/Acre (0.5 lb ai/A) Maximum number of IMIDASHOT DF applications per crop season 5</p> <p>Applications - Do not apply pre bloom or during bloom or when bees are actively foraging Minimum application volume (water) 20 GPA – ground 5 GPA – aerial</p>	

CANE BERRY

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 Cheyenne 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 Rosberry 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)

Pests Controlled	Rate Ounces/Acre
Aphids Leafhoppers Thrips	2.3
Restrictions	
Pre Harvest Interval (PHI) 3 days	
Minimum interval between application 7 days	
Maximum IMIDASHOT DF allowed per crop season 6.9 ounces/Acre (0.3 lb ai/A)	
Applications	
- Do not apply pre bloom or during bloom 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 Leafhoppers/Sharpshooters Leafminers Mealybugs Scales Whiteflies	2.9 – 5.7 (depending on tree size target pest and infestation pressure)
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 IMIDASHOT DF allowed per crop season 11.4 ounces/Acre (0.5 lb ai/A)	
Applications	
- Scales – time applications to the crawler stage Treat each generation	
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 Whiteflies	2.3
Pests Suppressed	
Scales	2.3

Restrictions
 Pre Harvest Interval (PHI) **7 days**
 Minimum interval between application **7 days**
 Maximum IMIDASHOT DF allowed per crop season **11.4 ounces/Acre** (0.5 lb ai/A)
 Do not apply during pre bloom or during bloom or when bees are actively foraging

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

*Use not permitted in California unless otherwise directed by supplemental labeling

GRAPE

Including American bunch grape, Muscadine grape and Vinifera grape

Pests Controlled	Rate Ounces/Acre
Leafhoppers/Sharpshooters Mealybugs	0.9 – 1.1
Grapeleaf Skeletonizer	1.1

Restrictions
 Pre Harvest Interval (PHI) **0 days**
 Minimum interval between application **14 days**
 Maximum IMIDASHOT DF allowed per crop season **2.2 ounces/Acre** (0.1 lb ai/A)

Applications
 IMIDASHOT DF may be applied by ground application only

HOP

Pests Controlled	Rate Ounces/Acre
Aphids	2.3

Restrictions
 Pre Harvest Interval (PHI) **28 days**
 Minimum interval between application **21 days**
 Maximum IMIDASHOT DF allowed per crop season **6.9 ounces/Acre** (0.3 lb ai/A)

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 Leafminers San Jose scale	2.3
FOR PEAR ONLY Mealybugs Pear psylla	5.7

Restrictions
 Pre Harvest Interval (PHI) **7 days**
 Minimum interval between application **10 days**
 Maximum IMIDASHOT DF allowed per crop season **11.5 ounces/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*

Pests Controlled	Rate Ounces/Acre
Aphids Leafhoppers/Sharpshooters Whiteflies	2.3
Pests Suppressed	
Scales	2.3

Restrictions
 Pre-Harvest Interval (PHI) 7 days
 Minimum interval between application 7 days
 Maximum IMIDASHOT DF allowed per crop season 6.9 ounces/Acre (0.3 lb ai/A)

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

Leafhopper Use the low rate for low to moderate populations of white apple leafhoppers Use the high rate for high populations or for other leafhopper species Apply this product 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 application early in the adult flight against egg 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

Rosy apple aphid Begin applications before leafrolling

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

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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 Plant bugs Rose chafer San Jose scale	1.2 - 2.3
Cherry fruit fly	1.7 - 2.3
Pests Suppressed	
Plum curculio Stink bugs	2.3

Restrictions
for Apricot, Nectarine, Peach
 Pre Harvest Interval (PHI) **0 days**
 Minimum interval between application **7 days**
 Maximum IMIDASHOT DF allowed per crop season **6.9 ounces/Acre** (0.3 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

Notes and Restrictions for Cherries, Plums, Plumcot, Prune
 Pre Harvest Interval (PHI) **7 days**
 Minimum interval between application **10 days**
 Maximum IMIDASHOT DF allowed per crop season **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*

Crops of Crop Group 14 including Almond, 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 <i>Phylloxera</i> spp (leaf infestations) Spittlebugs Whiteflies	1.0 – 2.0
Black pecan aphid Mealybugs San Jose scale	2.3

Restrictions
 Pre Harvest Interval (PHI) **7 days**
 Minimum interval between application **6 days**
 Maximum IMIDASHOT DF allowed per crop season **8.2 ounces/Acre** (0.36 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
 Applications for control of San Jose scale should be timed according to crawler stage treating each successive generation Two applications on a 10 to 14 day interval may be required to achieve control
 For Black pecan aphid, use the higher rate to control this pest
 Do not apply after shuck split on pecans

*Use not permitted in California unless otherwise directed by supplemental labeling

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	2.3

Leafhoppers/Sharpshooters Mealybugs 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 IMIDASHOT DF allowed per crop season 11.5 ounces/Acre (0.5 lb ai/A)	
Applications - Maximum number of IMIDASHOT DF applications per crop season 5 Do not apply pre bloom or during bloom or when bees are actively foraging	
*Use not permitted in California unless otherwise directed by supplemental labeling	

OTHER CROPS

Applications – IMIDASHOT DF Insecticide

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. IMIDASHOT DF may not knockdown established and heavy insect populations. Two applications may be required to achieve control. Scout fields and retreat if needed. IMIDASHOT DF 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 Sawflies	1.2 – 2.3
Restrictions Minimum interval between applications 7 days Maximum IMIDASHOT DF allowed per crop season 11.5 ounces/Acre (0.5 lb ai/A)	
Applications Gall forming adelgids – time applications to coincide 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 IMIDASHOT DF allowed per crop season 11.5 ounces/Acre (0.5 lb ai/A)	
Applications - Do not apply pre bloom or during bloom or when bees are actively foraging	
*Use not permitted in California unless otherwise directed by supplemental labeling	

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage and disposal

PESTICIDE STORAGE Store in a cool, dry place 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 You may contact the Sulphur Mills Limited Emergency Response Team for decontamination procedures or any other assistance that may be necessary The Sulphur Mills Ltd Emergency Response telephone number is ?

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

CONTAINER DISPOSAL Triple rinse (or equivalent) Then offer for recycling or reconditioning, or puncture and dispose of 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

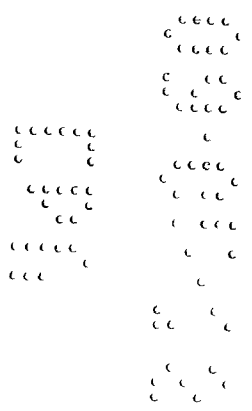
CONDITIONS The directions for use of this product are believed to be adequate and must be followed carefully However it is impossible to eliminate all risks associated with the use of this product Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather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

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Manufactured by
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 Andheri (E), Mumbai – 400 069, India
 Website www.sulphurmills.com



Sublabel B - Turf and Ornamental Uses

GROUP	4A	INSECTICIDE
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PRONTO 70 WG

Alternate Brand Name IMIDASHOT DF Insecticide

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%
INERT INGREDIENTS		30%
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 style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by a poison control center or doctor • Do not give anything by mouth to an unconscious person
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes • Remove contact lenses if present after the first 5 minutes then continue rinsing eye • Call a poison control center or doctor for treatment advice
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15 to 20 minutes • Call a poison control center or doctor for treatment advice
Have a product container or label with you when calling a poison control center or doctor or going for treatment You may also contact 1 800 424 9300 for emergency medical treatment information	
Note to physician No specific antidote is available Treat the patient symptomatically	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

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 or 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 runoff. 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.

IMIDASHOT DF Insecticide 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 IMIDASHOT DF and to other Group 4A products.

The active ingredient in IMIDASHOT DF is a member of the neonicotinoid chemical class. Avoid using a block of more than three consecutive applications of IMIDASHOT DF 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 IMIDASHOT DF 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 used 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 ¼ 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) IMIDASHOT DF 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 Black turfgrass ataenius Cutworms (suppression only) European Chafer European Crane Fly Green June beetle Japanese beetle Northern masked chafer Oriental beetle <i>Phyllophaga</i> spp Southern masked chafer	<p style="text-align: center;">1 0 – 2 0 tsp (5 8 – 9 2 ounces/acre)</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">1 25 – 2 0 tsp (7 0 – 9 2 ounces/acre)</p>
Chinchbugs (suppression only) Mole Crickets	<p style="text-align: center;">2 0 tsp (9 2 ounces/acre)</p>

Restrictions
 Do not apply more than 9 2 oz (0 4 lb of active ingredient) per acre per year
 Do not apply through any irrigation system

Applications
 Apply this product in sufficient water to ensure the turf receives an even uniform distribution of spray Accurately calibrated equipment normally used for soil application of insecticides must be used and calibration must be checked 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, GROWDCOVERS 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, 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) Lacebugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Leafminers Mealybugs Sawfly larvae Thrips (suppression only) Whiteflies	<p style="text-align: center;">Foliar application</p> 0.125 tsp in 2.5 gal water 0.25 tsp in 5 gal water 0.5 tsp in 10 gal water 1.25 tsp in 25 gal water 2.5 tsp in 50 gal water 5 tsp in 100 gal water
White grub larvae (including Asiatic garden beetle, chafers <i>Phyllophaga</i> spp, Japanese beetle larvae and Oriental beetle)	<p style="text-align: center;">Broadcast application</p> 1.25 – 2.0 level teaspoons per 1,000 sq ft (7.0 – 9.2 ounces/acre)
<p>Restrictions</p> <p>Outdoor ornamentals Do not apply by broadcast application more than 9.2 oz (0.4 lb active ingredient) per acre per year.</p> <p>Applications</p> <p>Foliar Application Apply this product in a sufficient volume of water to uniformly cover the treated area. Foliar applications will provide systemic activity against target pests.</p> <p>If plants (such as holly, pine or ivy) have foliage that is difficult to wet, Sulphur Mills Limited recommends this product be applied with a spreader/sticker.</p>	

Time applications to occur before heavy pest populations arise, make repeat applications as necessary

Broadcast Application Mix the specified amount of this product in a sufficient volume of water to uniformly over the treatment area. Apply in a minimum of 2 gallons of water per 1,000 sq ft. After application irrigate the treated areas to incorporate this product into the upper soil.

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 landscapes 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	<p style="text-align: center;">Soil Injection and Soil Drench</p> <p style="text-align: center;">0.25 – 0.5 level teaspoons per inch of trunk diameter (DBH)</p> <p style="text-align: center;">or</p> <p style="text-align: center;">1 – 2 oz per 30 cumulative inches of trunk diameter (DBH)</p>

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	<p style="text-align: center;">Soil Injection and Soil Drench</p> <p style="text-align: center;">0.25 – 0.5 level teaspoons per foot of shrub height</p> <p style="text-align: center;">or</p> <p style="text-align: center;">1 – 2 oz per 30 cumulative feet of shrub height</p>
<p>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</p> <p>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.</p> <p>Soil Drench Before application be sure there are no physical barriers (such as plastic tarp) present that 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.</p> <p>Equivalents 3 level teaspoons = 1 level tablespoon 1 level teaspoon = 3.4 grams of this product</p>	

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	<p>Broadcast application</p> <p>1.25 – 2.0 level teaspoons per 1,000 sq ft (7.0 – 9.2 ounces/acre)</p>
<p>Restrictions Do not apply more than 9.2 oz (0.4 lb of active ingredient) per acre per year</p> <p>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</p> <p>Equivalents 3 level teaspoons = 1 level tablespoon 1 level teaspoon = 3.4 grams of this product</p>	

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 Mealy Bugs Other Sucking Insects	<p>See above</p>
<p>Applications When this product is used to control these insects, ants are also controlled by limiting the honeydew available as a</p>	

food source for the ants This product may be used as a supplemental to other commonly used methods (bait traps residual sprays, etc) that help eliminate unwanted ants in ornamentals

Equivalents 3 level teaspoons = 1 level tablespoon
 1 level teaspoon = 3 4 grams of this product

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

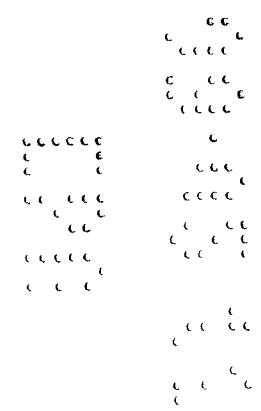
Pests Controlled	Use Rate
Aphids (except Woolly apple aphid) Leafhoppers (including glassy winged sharpshooter) Leafminer Mealybugs San Jose Scale	0 5 oz per 100 gal (equivalent to 2 oz product per acre)

Restrictions
 California Do not apply this product to control mealybugs and San Jose Scale on pears
 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 flight 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

Pests Controlled	Use Rate
Yellow pecan aphid Black margined aphid Pecan leaf phylloxera Pecan spittlebug Pecan stem phylloxera	0.5 oz per 100 gal (equivalent to 2 oz product per acre)
<p>Restrictions Do not apply in the state of California unless otherwise directed by a supplemental label Wait at least 10 days in between applications Make only 3 applications per year Do not apply more than 6.3 oz of this product per acre per year</p> <p>Applications Foliar Application Apply as needed as pest pressure builds but before infestation is extremely heavy. 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. Adequate control may be achieved only with two applications at 10-14 day intervals. For best results thorough and uniform spray coverage of foliage is necessary. To improve coverage use an organosilicone based spray adjuvant.</p> <p>Equivalents 3 level teaspoons = 1 level tablespoon 1 level teaspoon = 3.4 grams of this product</p>	

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

Pests Controlled	Use Rate
Leafhoppers (including glassy winged sharpshooter) Mealybugs	0.5 oz per 100 gal (equivalent to 2 oz product per acre)
<p>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</p> <p>Applications Apply as a foliar spray using 200 gallons of water per acre</p> <p>Equivalents 3 level teaspoons = 1 level tablespoon 1 level teaspoon = 3.4 grams of this product</p>	

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE Store in a cool, dry place 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 dampen 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 You may contact the Sulphur Mills Limited Emergency Response Team for decontamination procedures or any other assistance that may be necessary The Sulphur Mills Ltd Emergency Response telephone number is ?

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

CONTAINER DISPOSAL Triple rinse (or equivalent) Then offer for recycling or reconditioning or puncture and dispose of 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 All such risks shall be assumed by the user or buyer

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