

MAY 25 2000

Ann M. Tillman, Ph. D.  
Rohm and Haas Company  
100 Independence Mall West  
Philadelphia, PA 19105

Subject: New Use (Tree Nut Crop Group including Pistachios) For:  
CONFIRM 70 WSP Agricultural Insecticide  
EPA Registration No. 707-258  
Application dated March 26, 1999

Dear Dr. Tillman:

The proposed amendment to the registration for the product cited above under The Federal Insecticide Fungicide And Rodenticide Act, as amended proposing a new use for tebufenozide on tree nuts including pistachios is acceptable subject to the comment listed below. A stamped copy of the draft label bearing this new use is enclosed for your records. Submit two copies of the final label before the product is released for shipment under this label.

Change the registration number to read EPA REG NO 707-258.

If you have any questions or comments please contact  
Joseph Tavano at (703) 305-6411

Sincerely,

*Joseph M. Tavano*  
/ Marion J. Johnson, Jr.

Product Manager 10  
Insecticide Branch  
Registration Division (7505C)

*Jr*

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

MAY 25 2000

-B0f  
tree nut  
3/23/99

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
707-258



# CONFIRM® 70 WSP

AGRICULTURAL INSECTICIDE IN WATER-SOLUBLE POUCHES

### ACTIVE INGREDIENT

Tebufenozide	
Benzoic acid, 3,5-dimethyl-, 1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl) hydrazide.....	70%
INERT INGREDIENTS.....	30%
	TOTAL 100%

EPA REG NO. 707-

EPA EST. No.

**NOTICE:** Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### STATEMENT OF PRACTICAL TREATMENT

- IF IN EYES:** Flush eyes with plenty of water. Consult a physician if irritation persists.
- IF INHALED:** Move victim to fresh air.
- IF ON SKIN:** Wash affected skin thoroughly with soap and water. Consult a physician if irritation persists.
- IF SWALLOWED:** Dilute by giving two glasses of water to drink and consult a physician. Never give anything by mouth to an unconscious person.
- NOTE TO PHYSICIAN:** Emesis is recommended.

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

May cause eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Do not swallow, get in eyes, on skin or breathe spray mist.

### Personal Protective Equipment (PPE) Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standards (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.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark, except under forest canopy when aerially applied to control forest pests. Do not contaminate water when disposing of equipment washwaters and rinsate. Do not apply when weather conditions favor drift or runoff from areas treated. This pesticide demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where the water table is shallow may result in groundwater contamination.

**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), notification to workers 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 4 hours.

PPE required for early entry to 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:

- Coveralls
- Water-proof gloves
- Shoes plus socks

**STORAGE AND DISPOSAL**

**STORAGE:** Store in a cool, dry area above freezing. The water-soluble pouch may become brittle at storage temperatures below 32°F. but the insecticide is not affected. Do not remove the water-soluble pouches from the container except for immediate use.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

**CONTAINER DISPOSAL:** Completely empty container into application equipment. 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.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Appropriate protective equipment must be worn when handling a spill of this material. Transfer spilled material to suitable containers for recovery or disposal. Refer to MSDS (Material Safety Data Sheet).

**CONDITIONS OF SALE AND WARRANTY**

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. **ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.** Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. **IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**

## GENERAL INFORMATION

CONFIRM 70 WSP Agricultural Insecticide mimics the action of the natural insect hormone 20-hydroxyecdysone, the physiological inducer of the molting and metamorphosis process in insects. CONFIRM 70 WSP is highly active against most lepidopterous larvae while having practically no activity at typical use-rates against other orders of insects. The selectivity of CONFIRM 70 WSP allows for the maintenance of the populations of beneficial and predatory insects which is a key element in integrated pest management programs. CONFIRM 70 WSP controls lepidopterous larvae through a novel mode-of-action by the induction of a premature lethal molt which initiates within hours of ingestion of treated crop surfaces. Contact activity has also been observed in some insects. Actual death of the larvae will take several days to occur although feeding by the insects generally ceases within 24 hours of ingestion.

## USE RATE DETERMINATION

Carefully read, understand and follow label use rates, recommendations and restrictions. Apply the amount specified in the following table with properly calibrated aerial or ground spray equipment. The low rates may be used for light infestations of the target lepidopterous species and the higher rates for moderate to heavy infestations. CONFIRM 70 WSP Agricultural Insecticide may be applied in either dilute or concentrate sprays so long as the application equipment is calibrated and adjusted to deliver thorough, uniform coverage. Use the specified amount of CONFIRM 70 WSP per acre regardless of spray volume used. Prepare only the amount of spray solution required to treat the measured acreage.

## COMPATIBILITY

CONFIRM 70 WSP Agricultural Insecticide is believed to be compatible with most commonly used agricultural fungicides, insecticides, growth regulators, foliar fertilizers and spray adjuvants. If in doubt, the user should consult spray compatibility charts or State Cooperative Extension Specialists prior to preparing tank mixtures.

## MIXING

Fill spray tank one-third to one-half full of clean water before adding water-soluble pouches to the spray tank. Place the CONFIRM 70 WSP Agricultural Insecticide pouches in the spray tank and insure that the pouches are completely dissolved before adding other co-applied products. Add the required number of pouches as determined by the dosage recommendations into the tank with continuous agitation. Depending on the water temperature and the degree of agitation, the pouches should completely dissolve within approximately five minutes.

**NOTE:** CONFIRM 70 WSP Agricultural Insecticide is compatible with boron and spray oils; however, the water soluble pouches must be completely dissolved before adding spray oils or products containing boron to spray mixtures.

## HANDLING

The enclosed pouches of CONFIRM 70 WSP Agricultural Insecticide are water soluble. Do not allow pouches to become wet prior to adding to the spray tank. Do not handle the pouches with wet hands or wet gloves. Always reseal overwrap bag to protect remaining unused pouches. Do not remove water-soluble pouches from overwrap except to add directly to the spray tank.

## APPLICATION TIMING

The activity of CONFIRM 70 WSP Agricultural Insecticide is expressed primarily through ingestion by the target larvae. Consequently, the timing of application is dependent on the feeding behavior of the target pest. For internal feeding larvae, application must be made prior to the time that surface feeding occurs. For foliar or surface feeding larvae, application made while active feeding is occurring will be effective.

Re-application may be required to protect new flushes of foliage or rapidly expanding fruit. The re-application interval will vary depending on how rapidly the crop is growing and the generation time of the target pest. While CONFIRM 70 WSP Insecticide is essentially equally effective against all instars, it is generally good practice to make applications to early instars to avoid the heavy damage that can be inflicted by later instar larvae.

For best results, begin applications when first signs of feeding damage or when threshold levels of moths, eggs or larvae occur. Consult the Cooperative Extension Service, or other qualified professional authorities to determine the appropriate threshold for application in your area.

## APPLICATION INSTRUCTIONS

Because CONFIRM 70 WSP Agricultural Insecticide must be ingested, application must be in a manner that assures uniform and thorough coverage. Higher water volume and increased spray pressure generally provide better coverage. Operating an air-blast sprayer at ground speeds greater than 2 mph and making applications in an alternate row middle pattern may result in less than satisfactory coverage and poor performance, particularly in conditions of high infestation levels, extremely large trees and dense foliage. Avoid application under conditions when uniform coverage cannot be assured or when excessive spray drift may occur.

A minimum of six hours drying time is required between completion of application and the onset of precipitation to ensure retention of the spray deposit.

**SPRAY ADJUVANTS**

The addition of agricultural adjuvants to CONFIRM 70 WSP Agricultural Insecticide sprays will improve initial spray deposits, redistribution and weatherability. The following spray adjuvants have been especially formulated to optimize the performance of foliar-applied agricultural chemicals and are recommended for use with CONFIRM 70 WSP:

LATRON B-1956® -A water-dispersible, resin-based nonionic spreader-sticker that resists re-wetting and removal by rain. Effective with dilute sprays applied by ground equipment.

LATRON CS-7® -A spreader-binder designed specifically for use in concentrate and low volume sprays applied by aircraft or ground equipment.

Place CONFIRM 70 WSP Agricultural Insecticide into suspension prior to adding an adjuvant to the spray mixture. Read and carefully observe the precautionary statements and all other information appearing on all product labels prior to spray preparation.

**RESISTANCE MANAGEMENT**

Any insect population may contain individuals that are naturally resistant to a specific pesticide, therefore, the use of any one insecticide against many consecutive generations of a pest can result in the development of resistance problems. To prevent or delay the development of resistance, Rohm and Haas Company recommends rotation of CONFIRM 70WSP with insecticides of alternate modes of action and the utilization of Integrated Pest Management practices such as routine monitoring, the use of treatment thresholds to time applications and cultural and biological controls wherever possible. We further recommend that CONFIRM 70WSP not be used on more than three consecutive generations of a pest. Since the development of resistance cannot be predicted we suggest that you consult local or State Extension personnel or your local Rohm and Haas Company representative for resistance management guidance appropriate to your crop, locality and production practices.

# USE DIRECTIONS FOR THE TREE NUT CROP GROUPING (almond, beech nut, brazil nut, butternut, cashew, chestnut, chinquapin, filbert [hazelnut]), hickory nut, macadamia [bush] nut, pecan walnut [black and English]) INCLUDING PISTACHIO

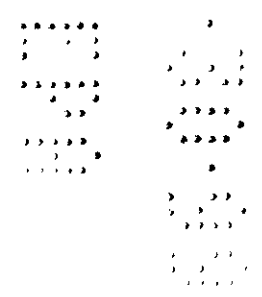
## USE DIRECTIONS FOR ALMONDS

**GROUND APPLICATION:** Make applications of CONFIRM 70 WSP Agricultural Insecticide by conventional ground sprayers which are calibrated to deliver a minimum of 50 gallons per acre to almond trees 4th leaf or younger. For trees 5th leaf or older use a minimum of 100 gallons per acre. Ground speed of the sprayer should not exceed 2 mph.

**AERIAL APPLICATION:** Make applications of CONFIRM 70 WSP Agricultural Insecticide in a minimum of 20 gallons per acre. CONFIRM 70 WSP can be applied by aerial applications when situations warrant. However, this method should not be used if the size of the tree or density of the foliage prohibits thorough, uniform coverage of the entire tree canopy.

TARGET PESTS	APPLICATION RATE ACRES PER POUCH*	APPLICATION RATE OUNCES PRODUCT PER ACRE	RECOMMENDATIONS	RESTRICTIONS
Peach twig borer	0.67 - 1.2	6.0 - 10.3 (0.26 to 0.45 lbs. AI/Acre)	<b>Spring (overwintering) generation:</b> Make 1 to 2 applications during the bloom to petal fall period depending on infestation level. <b>Summer generations:</b> Begin applications at peak moth flight (250 - 350 DD, base 50F, following biofix) for each generation. Additional applications at 10- to 14-day intervals may be required under high pressure or sustained moth flight. Higher use rates may also be used for extended residual effectiveness, higher pest infestation levels, larger trees or heavy, dense foliage.	Do not apply more than 11 ounces of CONFIRM 70 WSP or 55 oz. per season.  Allow at least 14 days to elapse between final application and harvest.
Navel orangeworm	0.67 - 1.0	7.0 - 10.3 (0.30 to 0.45 lbs. AI/Acre)	Make first application at the initiation of hull split- and make a second application 10- to 14-days later. Under heavy infestation a third application may be required 10- to 14-days after the second application	Do not graze livestock in treated areas or feed cover crops grown in treated areas to livestock.

\*CONFIRM 70 WSP Agricultural Insecticide is supplied in water-soluble pouches containing 7 ounces of 70% active ingredient wettable powder.



## USE DIRECTIONS FOR PECANS

**GROUND APPLICATION:** Make applications of CONFIRM 70 WSP Agricultural Insecticide by conventional ground sprayers which are calibrated to deliver a minimum of 50 gallons per acre to trees 10 feet tall or less. For trees greater than 10 feet tall, use a minimum of 100 gallons per acre.

**AERIAL APPLICATION:** Make applications of CONFIRM 70 WSP Agricultural Insecticide in a minimum of 20 gallons per acre. CONFIRM 70 WSP can be applied by aerial applications when situations warrant. However, this method should not be used if the size of the tree or density of the foliage prohibits thorough, uniform coverage of the entire tree canopy.

TARGET PEST	APPLICATION RATE ACRES PER POUCH	APPLICATION RATE OUNCES PER ACRE	RECOMMENDATIONS	RESTRICTIONS
Pecan nut casebearer	1.2 to 2.4	3.0 to 6.0 (0.13 to 0.26 lb. AI/Acre)	For each generation, apply at the initiation of egg hatch (for first generation this is approximately 8-15 days following first sustained moth catch*). Control of first generation pecan nut casebearer may require a second application under conditions of extended egg lay or for improved coverage of rapidly expanding nuts and foliage. Use higher rates for extended residual effectiveness, higher pest infestations, low crop load, larger trees or heavy, dense foliage.	Do not apply more than 11 oz. of CONFIRM 70 WSP per season.  Allow at least 14 days to elapse between final application and harvest.  Do not graze livestock in treated areas or feed cover crops grown in treated areas to livestock.
Hickory shuckworm	1.2 to 2.4	3.0 to 6.0 (0.13 to 0.26 lb. AI/Acre)	Initiate applications at half-shell hardening. Make subsequent applications at 14 day intervals to shuck split or while nuts are susceptible to hickory shuckworm for heavy infestations.	
Fall webworm	1.2 to 2.4	3.0 to 6.0 (0.13 to 0.26 lb. AI/Acre)	Make applications at the first sign of larval infestation.	

\*CONFIRM 70 WSP Agricultural Insecticide is supplied in water-soluble pouches containing 7 ounces of 70% active ingredient wettable powder.

\*\* First sustained moth catch (biofix) is defined as the date on which the total of five moths are captured in three pheromone traps within a seven-day period.



## USE DIRECTIONS FOR WALNUTS

**GROUND APPLICATION:** Make applications of CONFIRM 70 WSP Agricultural Insecticide by conventional ground sprayers which are calibrated to deliver a minimum of 50 gallons per acre to walnut trees 4th leaf or younger. For walnut trees 5th leaf or older use a minimum of 100 gallons per acre. Ground speed of the sprayer should not exceed 2 mph.

**AERIAL APPLICATION:** Make applications of CONFIRM 70 WSP Agricultural Insecticide in a minimum of 20 gallons per acre. CONFIRM 70 WSP can be applied by aerial applications when situations warrant. However, this method should not be used if the size of the tree or density of the foliage prohibits thorough, uniform coverage of the entire tree canopy.

**SPLIT APPLICATION:** In order to achieve thorough uniform coverage of extremely tall, dense trees, it may be preferable to apply a split application composed of both aerial and ground methods. Both portions of the application must be made within the timing window as described below. The total amount of CONFIRM 70 WSP Agricultural Insecticide applied in a split application cannot exceed 11 fluid ounces per acre.

TARGET PESTS	APPLICATION RATE ACRES PER POUCH*	APPLICATION RATE OUNCES PER ACRE	RECOMMENDATIONS	RESTRICTIONS
Codling moth	0.67 - 1.2	6.0 to 10.3 (0.26 to 0.45 lbs.AI/Acre)	For each codling moth generation, apply at initiation of egg hatch (200-250 DD following biofix). Control of first generation codling moth may require a second application 10-14 days following first application to ensure complete coverage of rapidly expanding foliage and expanding surface area of the walnut. After plant foliage expansion and walnut growth has ceased, multiple applications (every 14-21 days) may be required to provide control of extended codling moth flights. Higher use rates may also be used for extended residual effectiveness, higher pest infestation levels, larger trees or heavy, dense foliage.	Do not apply more than 11 ounces of CONFIRM 70 WSP per application or 55 oz. per season.  Allow at least 14 days to elapse between final application and harvest.  Do not graze livestock in treated areas or feed cover crops grown in treated areas to livestock.
Navel orangeworm	0.67 - 1.0	6.0 to 10.3 (0.26 to 0.45 lbs.AI/Acre)	Apply at initiation of egg hatch.	
Fall webworm	0.67 - 1.0	6.0 to 10.3 (0.26 to 0.45 lbs.AI/Acre)	Apply at first sign of larvae appearance.	

\*CONFIRM 70 WSP Agricultural Insecticide is supplied in water-soluble pouches, containing 7 ounces of 70% active ingredient wettable powder.

10/16

**FOR TREE NUT CROPS NOT SPECIFICALLY LISTED ABOVE:**

For control of Lepidoptera pests for which CONFIRM 70 WSP Agricultural Insecticide is registered:

**RESTRICTIONS**

- Allow at least 14 days to elapse between final application and harvest.
- Do not apply more than 30 fluid ounces per applications or 122 ounces per season.

Performance of CONFIRM 70 WSP Agricultural Insecticide against pests not listed on this label cannot be warranted nor can crop tolerance of CONFIRM 70 WSP in all types and varieties of tree nuts be assured. If unsure, the user is advised to treat a few trees to observe for symptoms before treating large blocks of trees. Generally, optimum performance against Lepidopterous pests (worms) is achieved when CONFIRM 70 WSP is applied at the initiation of egg hatch. Reapplication in 10 to 20 days may be required if the plant part(s) to be protected from insect damage is rapidly growing or expanding or if pest infestations are heavy or extended.

*CONFIRM, LATRON B-1956 AND CS-7 ARE REGISTERED TRADEMARKS OF ROHM AND HAAS COMPANY*

Bof-tree nut  
3/23/99 JL/rdm



SMART INSECTICIDE TECHNOLOGY

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
MAY 25 2000**

*Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
707-258*

**SUPPLEMENTAL LABELING FOR  
CONFIRM® 70WSP AGRICULTURAL INSECTICIDE**

**EPA Reg. No 707-ELI  
EPA EST. NO. 39578-TX-01**

**DIRECTIONS FOR USE IN TREE NUT CROPS AND PISTACHIOS**

**NOTICE:** Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

**TREE NUT CROPS GROUPING (almond, beech nut, brazil nut, butternut, cashew, chestnut, chinquapin, filbert [hazelnut], hickory nut, macadamia [bush] nut, pecan, walnut [black and English])**

**GENERAL INFORMATION**

CONFIRM 70 WSP Agricultural Insecticide mimics the action of the natural insect hormone 20-hydroxyecdysone, the physiological inducer of the molting and metamorphosis process in insects. CONFIRM 70 WSP is highly active against most lepidopterous larvae while having practically no activity at typical use-rates against other orders of insects. The selectivity of CONFIRM 70 WSP allows for the maintenance of the populations of beneficial and predatory insects which is a key element in integrated pest management programs. CONFIRM 70 WSP controls lepidopterous larvae through a novel mode-of-action by the induction of a premature lethal molt which initiates within hours of ingestion of treated crop surfaces. Contact activity has also been observed in some insects. Actual death of the larvae will take several days to occur although feeding by the insects generally ceases within 24 hours of ingestion.

**USE RATE DETERMINATION**

Carefully read, understand and follow label use rates, recommendations and restrictions. Apply the amount specified in the following table with properly calibrated aerial or ground spray equipment. The low rates may be used for light infestations of the target lepidopterous species and the higher rates for moderate to heavy infestations. CONFIRM 70 WSP Agricultural Insecticide may be applied in either dilute or concentrate sprays so long as the application equipment is calibrated and adjusted to deliver thorough, uniform coverage. Use the specified amount of CONFIRM 70 WSP per acre regardless of spray volume used. Prepare only the amount of spray solution required to treat the measured acreage.

**COMPATIBILITY**

CONFIRM 70 WSP Agricultural Insecticide is believed to be compatible with most commonly used agricultural fungicides, insecticides, growth regulators, foliar fertilizers and spray adjuvants. If in doubt, the user should consult spray compatibility charts or State Cooperative Extension Specialists prior to preparing tank mixtures.

**MIXING**

Fill spray tank one-third to one-half full of clean water before adding water-soluble pouches to the spray tank. Place the CONFIRM 70 WSP Agricultural Insecticide pouches in the spray tank and insure that the pouches are completely dissolved before adding other co-applied products. Add the required number of pouches as determined by the dosage recommendations into the tank with continuous agitation. Depending on the water temperature and the degree of agitation, the pouches should completely dissolve within approximately five minutes.

**NOTE:** CONFIRM 70 WSP Agricultural Insecticide is compatible with boron and spray oils; however, the water soluble pouches must be completely dissolved before adding spray oils or products containing boron to spray mixtures.

**HANDLING**

The enclosed pouches of CONFIRM 70 WSP Agricultural Insecticide are water soluble. Do not allow pouches to become wet prior to adding to the spray tank. Do not handle the pouches with wet hands or wet gloves. Always reseal overwrap bag to protect remaining unused pouches. Do not remove water-soluble pouches from overwrap except to add directly to the spray tank.

**APPLICATION TIMING**

The activity of CONFIRM 70 WSP Agricultural Insecticide is expressed primarily through ingestion by the target larvae. Consequently, the timing of application is dependent on the feeding behavior of the target pest. For internal feeding larvae, application must be made prior to the time that surface feeding occurs. For foliar or surface feeding larvae, application made while active feeding is occurring will be effective.

Re-application may be required to protect new flushes of foliage or rapidly expanding fruit. The re-application interval will vary depending on how rapidly the crop is growing and the generation time of the target pest. While CONFIRM 70 WSP Insecticide is essentially equally effective against all instars, it is generally good practice to make applications to early instars to avoid the heavy damage that can be inflicted by later instar larvae.

For best results, begin applications when first signs of feeding damage or when threshold levels of moths, eggs or larvae occur. Consult the Cooperative Extension Service, or other qualified professional authorities to determine the appropriate threshold for application in your area.

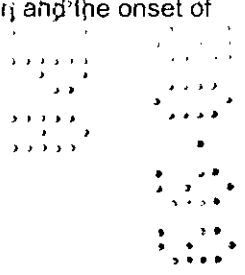
**APPLICATION INSTRUCTIONS**

Because CONFIRM 70 WSP Agricultural Insecticide must be ingested, application must be in a manner that assures uniform and thorough coverage. Higher water volume and increased spray pressure generally provide better coverage. Avoid application under conditions when uniform coverage cannot be assured or when excessive spray drift may occur.

A minimum of six hours drying time is required between completion of application and the onset of precipitation to ensure retention of the spray deposit.

**CHEMIGATION**

Do not apply this product through any type of irrigation system.



**RESISTANCE MANAGEMENT**

Any insect population may contain individuals that are naturally resistant to a specific pesticide, therefore, the use of any one insecticide against many consecutive generations of a pest can result in the development of resistance problems. To prevent or delay the development of resistance, Rohm and Haas Company recommends rotation of CONFIRM 70WSP with insecticides of alternate modes of action and the utilization of Integrated Pest Management practices such as routine monitoring, the use of treatment thresholds to time applications and cultural and biological controls wherever possible. We further recommend that CONFIRM 70WSP not be used on more than three consecutive generations of a pest. Since the development of resistance cannot be predicted we suggest that you consult local or State Extension personnel or your local Rohm and Haas Company representative for resistance management guidance appropriate to your crop, locality and production practices.

**USE DIRECTIONS FOR THE TREE NUT CROP GROUPING (almond, beech nut, brazil nut, butternut, cashew, chestnut, chinquapin, filbert [hazelnut], hickory nut, macadamia [bush] nut, pecan, walnut [black and English]) INCLUDING PISTACHIO**

**ALMONDS**

**GROUND APPLICATION:** Make applications of CONFIRM 70WSP Agricultural Insecticide by conventional ground sprayers which are calibrated to deliver a minimum of 50 gallons per acre to almond trees 4th leaf or younger. For trees 5th leaf or older use a minimum of 100 gallons per acre. Ground speed of the sprayer should not exceed 2 mph.

**AERIAL APPLICATION:** Make applications of CONFIRM 70WSP Agricultural Insecticide in a minimum of 20 gallons per acre. CONFIRM 70WSP can be applied by aerial applications when situations warrant. However, this method should not be used if the size of the tree or density of the foliage prohibits thorough, uniform coverage of the entire tree canopy.

Target Pests	Application Rate		Application Timing	Restrictions
	Acres per pouch*	Ounces Product per acre		
Peach twig borer	0.67-1.2	6.0-10.3 (0.26 to 0.45 lbs. AI/Acre)	<p><b>Spring (overwintering) generation:</b> Make 1 to 2 applications during the bloom to petal fall period depending on infestation level.</p> <p><b>Summer generations:</b> Begin applications at peak moth flight (250-350 DD, base 50F, following biofix) for each generation. Additional applications at 10- to 14-day intervals may be required under high pressure, or sustained moth flight. The higher use rates may be required for extended residual effectiveness, high pest infestation levels, larger trees or heavy, dense foliage.</p>	<p>Do not apply more than 11 oz. CONFIRM 70WSP per application or 55 oz. per season.</p> <p>Allow at least 14 days to elapse between final application and harvest.</p> <p>Do not graze livestock in treated areas or feed cover crops grown in treated areas to livestock.</p>
Navel orangeworm	0.67-1.0	7.0-10.3 (0.28 to 0.45 lbs. AI/Acre)	<p>Make first application at the initiation of hull split and make a second application 10 to 14 days later. Under heavy infestation a third application may be required 10-14 days after the second application</p>	

\*CONFIRM 70 WSP Agricultural Insecticide is supplied in water-soluble pouches containing 7 ounces of 70% ai wettable powder.

**PECANS**

**GROUND APPLICATION:** Make applications of CONFIRM 70WSP Agricultural Insecticide by conventional ground sprayers which are calibrated to deliver a minimum of 50 gallons per acre to trees 10 feet tall or less. For trees greater than 10 feet tall, use a minimum of 100 gallons per acre.

**AERIAL APPLICATION:** Make applications of CONFIRM 70WSP Agricultural Insecticide in a minimum of 20 gallons per acre. CONFIRM 70WSP can be applied by aerial applications when situations warrant. However, this method should not be used if the size of the tree or density of the foliage prohibits thorough, uniform coverage of the entire tree canopy.

Target Pests	Application Rate		Application Timing	Restrictions
	Acres per pouch*	Ounces Product per acre		
Pecan nut casebearer	1.2 to 2.4	3.0 to 6.0 (0.13 to 0.26 lbs. AI/Acre)	For each generation, apply at the initiation of egg hatch (for first generation this is approximately 8-15 days following first sustained moth catch**). Control of first generation pecan nut casebearer may require a second application under conditions of extended egg lay or for improved coverage of rapidly expanding nuts and foliage. Use higher rates for extended residual effectiveness, higher pest infestations, low crop load, larger trees or heavy, dense foliage.	Do not apply more than 11 oz. CONFIRM 70WSP per application or 55 oz. per season.  Allow at least 14 days to elapse between final application and harvest.  Do not graze livestock in treated areas or feed cover crops grown in treated areas to livestock.
Hickory shuckworm	1.2 to 2.4	3.0 to 6.0 (0.13 to 0.26 lbs. AI/Acre)	Initiate applications at half-shell hardening. Make subsequent applications at 14 day intervals to shuck split or while nuts are susceptible to hickory shuckworm for heavy infestations.	
Fall webworm	1.2 to 2.4	3.0 to 6.0 (0.13 to 0.26 lbs. AI/Acre)	Make applications at the first sign of larval infestation.	

\*CONFIRM 70 WSP Agricultural Insecticide is supplied in water-soluble pouches containing 7 ounces of 70% ai wettable powder.

\*\*First sustained moth catch (biofix) is defined as the date on which the total of five moths are captured in three pheromone traps within a seven-day period.

**WALNUTS**

**GROUND APPLICATION:** Make applications of CONFIRM 70WSP Agricultural Insecticide by conventional ground sprayers which are calibrated to deliver a minimum of 50 gallons per acre to walnut trees 4th leaf or younger. For walnut trees 5th leaf or older use a minimum of 100 gallons per acre. Ground speed of the sprayer should not exceed 2 mph.

**AERIAL APPLICATION:** Make applications of CONFIRM 70WSP Agricultural Insecticide in a minimum of 20 gallons per acre. CONFIRM 70WSP can be applied by aerial applications when situations warrant. However, this method should not be used if the size of the tree or density of the foliage prohibits thorough, uniform coverage of the entire tree canopy.

**SPLIT APPLICATION:** In order to achieve thorough uniform coverage of extremely tall, dense trees, it may be preferable to apply a split application composed of both aerial and ground methods. Both portions of the application must be made within the timing window as described below. The total amount of CONFIRM 70WSP Agricultural Insecticide applied in a split application cannot exceed 11 ounces per acre.

Target Pests	Application Rate		Application Timing	Restrictions
	Acres per pouch*	Ounces Product per acre		
Codling moth	0.67-1.2	6.0-10.3 (0.26 to 0.45 lbs. AI/Acre)	For each codling moth generation, apply at initiation of egg hatch (200-250 DD following biofix). Control of first generation codling moth may require a second application 10-14 days following first application to ensure complete coverage of rapidly expanding foliage and expanding surface area of the walnut. After plant foliage expansion and walnut growth has ceased, multiple applications (every 14-21 days) may be required to provide control of extended codling moth flights. Higher use rates may also be used for extended residual effectiveness, higher pest infestation levels, larger trees or heavy, dense foliage.	Do not apply more than 11 oz. CONFIRM 70WSP per application or 55 oz. per season.  Allow at least 14 days to elapse between final application and harvest.  Do not graze livestock in treated areas or feed cover crops grown in treated areas to livestock.
Navel orangeworm	0.67-1.0	6.0-10.3 (0.26 to 0.45 lbs. AI/Acre)	Apply at initiation of egg hatch.	
Fall Webworm	0.67-1.0	6.0-10.3 (0.26 to 0.45 lbs. AI/Acre)	Apply at first sign of larvae appearance.	

\*CONFIRM 70 WSP Agricultural Insecticide is supplied in water-soluble pouches containing 7 ounces of 70% ai wettable powder.

**FOR TREE NUT CROPS NOT SPECIFICALLY LISTED ABOVE:**

For control of Lepidoptera pests for which CONFIRM is registered:

**Restrictions:**

- Allow at least 14 days to elapse between final application and harvest.
- Do not apply more than 30 fluid ounces per application or 122 ounces per season
- 

Performance of CONFIRM 70WSP against pests not listed on this label cannot not be warranted nor can crop tolerance of CONFIRM in all types and varieties of tree nuts be assured. If unsure, the user is advised to treat a few trees to observe for symptoms before treating large blocks of trees. Generally, optimum performance against Lepidopterous pests (worms) is achieved when CONFIRM 70WSP is applied at the initiation of egg hatch. Reapplication in 10 to 20 days may be required if the plant part(s) to be protected from insect damage is rapidly growing or expanding or if pest infestations are heavy or extended.

3/22/99

© 1999 Rohm and Haas Company

