



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 29, 2020

Pedro Perdomo  
Registration Specialist  
Nisso America Inc.  
88 Pine Street, 14<sup>th</sup> Floor  
New York, NY 10005

Subject: Label Amendment – Adding WSP language and mixing/loading language  
Product Name: Intruder Brand Insecticide  
EPA Registration Number: 8033-24  
Application Date: 9/26/2017  
Decision Number: 534421

Dear Mr. Perdomo:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Marianne Lewis by phone at (703) 308-8043, or via email at [lewis.marianne@epa.gov](mailto:lewis.marianne@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'VE', followed by a horizontal line extending to the right.

Venus Eagle, Product Manager 01  
Invertebrate and Vertebrate Branch 3  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure: Stamped label

# INTRUDER® Brand WSP Insecticide

Acetamiprid    GROUP    4A    INSECTICIDE

## For Ag Use Only

ACTIVE INGREDIENT: Acetamiprid, (E)-N<sup>1</sup>-[(6-chloro-3-pyridyl)methyl]-N<sup>2</sup>-cyano-N<sup>1</sup>-methyl acetamidine.....70% by wt.  
INERT INGREDIENTS:..... 30% by wt.

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EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label find someone to explain it to you in detail.)

For MEDICAL and TRANSPORTATION Emergencies ONLY Call CHEMTREC at 1-800-424-9300

### FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor for treatment advice.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
IF IN EYES:	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>For MEDICAL Emergencies Call CHEMTREC at 1-800-424-9300</p> <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p>	
<p>NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.</p>	

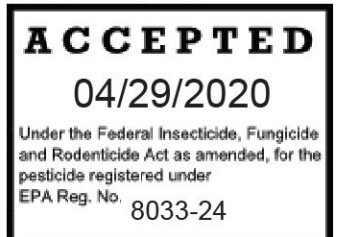
### PRECAUTIONARY STATEMENTS

#### CAUTION

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if inhaled. Harmful if absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with eyes, skin or clothing.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)



Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves made of: barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, natural rubber  $\geq$  14 mils, polyethylene, polyvinyl chloride  $\geq$  14 mils, or viton  $\geq$  14 mils, and chemical resistant headgear for overhead exposure. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturers instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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 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.

#### ENGINEERING CONTROLS STATEMENT

Water soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron, and chemical-resistant gloves. When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down."

#### 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. This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treated area. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not contaminate water used for irrigation or domestic purposes.

#### SPRAY DRIFT

Avoid spray drift. Do not apply when weather conditions may cause drift. Do not allow this product to drift on to non-target areas. To avoid spray drift, DO NOT apply aerially when wind speed is greater than 10 mph or during periods of temperature inversions. For aerial application, select nozzles and pressure that deliver **MEDIUM** spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

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

The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory below:

#### AERIAL DRIFT REDUCTION ADVISORY

[This section is advisory in nature and does not supersede the mandatory label requirements.]

## **INFORMATION ON DROPLET SIZE**

The most effective way to reduce drift potential is to apply **MEDIUM** droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (See Wind, Temperature and Humidity, and Temperature Inversions).

## **CONTROLLING DROPLET SIZE**

**Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

**Pressure** - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

**Number of nozzles** - Use the minimum number of nozzles that provide uniform coverage.

**Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

**Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

## **BOOM LENGTH**

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

## **APPLICATION HEIGHT**

Applications should not be made at a height greater than 10 feet above the top of the target plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

## **SWATH ADJUSTMENT**

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator should compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

## **WIND**

Drift potential is lowest between wind speeds of 3 - 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **NOTE:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

## **TEMPERATURE AND HUMIDITY**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

## **TEMPERATURE INVERSIONS**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures 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 or an aircraft smoke generator. 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 air mixing.

## **SENSITIVE AREAS**

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

## DIRECTIONS FOR USE

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

**Read entire label before using this product.**

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 intervals. 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 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, waterproof gloves, and shoes plus socks.

### STORAGE AND DISPOSAL

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

#### STORAGE

Do not store in or around the home. Store unused product in a cool, ventilated, dry, locked area. Do not allow prolonged storage in areas where temperatures frequently exceed 115° F (46° C). NEVER TRANSFER THIS PRODUCT TO ANOTHER CONTAINER FOR STORAGE.

#### PESTICIDE DISPOSAL

Contamination with this product will render water, food or feed unfit for human or animal consumption. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL** Nonfillable container. Do not reuse or refill this container. Offer for recycling, if available.

### COMPATIBILITY

INTRUDER Brand WSP Insecticide, when diluted with an equal volume of water, is physically compatible with a wide range of commonly used spray products, but the full range of compatibilities under local conditions is not known. Therefore, it is essential that before using INTRUDER Brand WSP Insecticide in any tank mixture the compatibility of the mixture be established. Add a small amount of this product to an equal volume of water in a small container and then add the other pesticide or spray product and mix thoroughly. DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GREASE. FOR BEST RESULTS, SPRAY MIXTURES SHOULD BE USED IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.

### CHEMIGATION

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

### DIRECTIONS FOR AERIAL OR GROUND SPRAY APPLICATION

## **APPLICATION TIMING**

Begin application when insect populations reach recognized economic threshold levels. Consult the Cooperative Extension Service, Professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.

## **APPLICATION INSTRUCTIONS**

### **ROW CROPS**

INTRUDER Brand WSP Insecticide is a dry powder formulation that readily disperses in water to form a spray, which may be applied by ground or air.

#### **Instructions for Using Water Soluble Packages Directly into Spray tanks:**

Water Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Agricultural Worker Protection Standard [40 CFR 170.607(d)].

#### Handling Instructions

Follow these steps when handling pesticide products in WSPs.

1. Mix in spray tank only.
2. Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
3. Keep the WSP(s) in outer packaging until just before use.
4. Keep the WSP dry prior to adding to the spray tank.
5. Handle with dry gloves and according to the label instructions for PPE.
6. Keep WSP intact. Do not cut or puncture WSP.
7. Reseal the WSP outer packaging to protect any unused WSP(s).

#### Mixing Instructions

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products. WSPs may, in some cases, be mixed with other pesticide products so long as the directions for use of all mixed products do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
3. Stop adding water and stop any agitation.
4. Place intact/unopened WSP(s) into the tank.
5. Do not spray water from a hose or fill pipe to break or dissolve the WSP(s).
6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
7. Dissolving the WSP(s) may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
8. Stop agitation before tank lid is opened.
9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
11. Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
12. Use the spray solution when mixing is complete.
13. Maintain agitation of the diluted pesticide mix during transport and application.
14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

15. Plan ahead. Prepare only enough spray mixture as can be applied on the day of mixing.
16. Fill tank  $\frac{1}{4}$  to  $\frac{1}{3}$  full with the required amount of total spray volume of water.
17. Add buffering agent if required.
18. Maintain continuous agitation during mixing and application to assure uniform suspension. If mixture sits without agitation for extended periods, agitate the mixture for at least 10 minutes before use.
19. Equip spray system with a 50-mesh inline filter, which will protect nozzles that are typically used. Nozzles may also be equipped with 50-mesh nozzle filters or 25 to 50 mesh (equivalent) slotted nozzle filters.
20. INTRUDER Brand WSP Insecticide is unstable in water pH below 4 and above 9. If necessary, buffer water to obtain optimum pH range.

### **Special Instructions for Tank Mixing INTRUDER Brand WSP Insecticide**

When tank mixing INTRUDER™ brand WSP Insecticide with other products, introduce the products into the tank in the following order: (1) INTRUDER Brand WSP Insecticide and other products in water soluble bags, (2) water dispersible granules, (3) wettable powders, (4) water-based suspension concentrates, (5) water soluble concentrates, (6) oil-based concentrates, (7) emulsifiable concentrates, (8) adjuvants, surfactants, oils, (9) soluble fertilizers, and (10) drift retardants.. Always allow each product to fully disperse before adding the next product. Products containing boron will interfere with film solubility of the water soluble packets. If boron products are to be added to the spray tank, add the INTRUDER Brand WSP Insecticide soluble packets first, making sure they are completely dissolved before adding any boron products.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

### **Recommended Application Instructions for INTRUDER Brand WSP Insecticide**

Use higher dosage rates for heavy infestations, dense foliage or for control of mid- to late season populations. The specific length of residual control depends on environmental factors, plant growth, dosage rate, and degree of insect infestation.

Apply a minimum finished spray volume of 2 gallons per acre by air or 5 gallons per acre by ground unless otherwise directed under crop specific directions. Under heavy pest populations or dense foliage, use a minimum spray volume of 5 gallons per acre by air and a minimum spray volume of 10 gallons per acre by ground. For best results, it is important to obtain thorough and uniform spray coverage of the plant. For best results when making ground applications, apply INTRUDER Brand WSP using nozzles that produce fine to medium size droplets (ex. Flat fan, twin jets or hollow cones). The use of nozzles that produce very coarse droplets (ex. Air induction or ultra low drift) are not recommended. When banding, determine the amount of chemical to use per acre by dividing the band width by the row width and multiplying by the appropriate broadcast rate. For aerial application, select nozzles and pressure that deliver MEDIUM spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572.

### **Use of Adjuvants**

The use of spray adjuvants, such as high quality methylated seed oil (MSO) for applications by ground or crop oil concentrates (COC) for applications by air are recommended to improve coverage and pest control. The addition of an adjuvant is recommended for all applications made to cotton. The use of stickers is not recommended. Some adjuvants can cause adverse affects, such as spotting or burn to fruit or foliage. Follow adjuvant label use directions. Consult your local Extension Service, Crop Advisor or Nippon Soda Co., Ltd. representative for additional information.

To clean the sprayer after use, drain and flush with water. Use rinsings on crop according to label instructions or dispose of in an approved manner (See STORAGE AND DISPOSAL).

### **INTEGRATED PEST MANAGEMENT (IPM) USE OF THIS PRODUCT**

INTRUDER Brand WSP Insecticide has ovicidal activity against many pests which can be effectively utilized in IPM programs. INTRUDER Brand WSP Insecticide has been shown to leave substantial populations of many beneficial insects and spiders after use. The lower rates allow for maximum beneficial survival and faster rebound of beneficial populations. Ovicidal control coupled with retention of beneficial insects and spiders can offer significant benefits to those producers utilizing integrated pest control programs.



## RESISTANCE MANAGEMENT

Acetamiprid is the active ingredient in INTRUDER Brand WSP Insecticide. It is a member of a class of chemistry known as chloronicotinyls. Also present in this class of chemistry is the active ingredient imidacloprid (“Admire Pro”, “Trimax Pro”, “Provado”, “Alias” and “Posada”), dinotefuran (“Venom”) and thiamethoxam (“Centric”, “Actara” and “Platinum”). For resistance management, INTRUDER Brand WSP and all the insecticide products mentioned above are members of mode-of-action group 4A. Repeated, exclusive use of INTRUDER Brand WSP and/or other group 4A insecticides may lead to the buildup of resistant strains of insects in some crops.

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, this product may be used as part of resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of mode-of-action classes of insecticides on succeeding generations and targeting the most susceptible life stages. Consult your local or state agricultural authorities for details.

For resistance management, INTRUDER Brand WSP Insecticide contains a Group (4A) insecticide. Any insect population may contain individuals naturally resistant to INTRUDER Brand WSP Insecticide and other Group (4A) insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of INTRUDER Brand WSP Insecticide or other Group (4A) insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For additional information on insect resistance management contact your local extension specialist, university specialist, certified crop advisor, insecticide product manufacturer and/or visit the Insecticide Resistance Action Committee (IRAC) website at <http://www.irac-online.org>.

**RATE CONVERSION CHART FOR ALL OF THE FOLLOWING CROP USE DIRECTIONS**

**RATE CONVERSION CHART**

POUNDS AI PER ACRE	OUNCES PER ACRE	POUNDS INTRUDER Brand WSP Insecticide PER ACRE	TREATED ACRES PER PACKET of INTRUDER Brand WSP Insecticide
0.025	0.6	0.04	20.0
0.038	0.9	0.05	13.3
0.05	1.1	0.07	10.9
0.075	1.7	0.11	7.1
0.1	2.3	0.14	5.2

**COTTON**

**SPRAY VOLUME FOR COTTON**

INTRUDER Brand WSP Insecticide should be applied in a minimum finished spray volume of 2 gallons per acre by aircraft and 5 gallons per acre by ground equipment. Under extreme pest populations or dense foliage, use a minimum spray volume of 5 gallons per acre by air and a minimum spray volume of 10 gallons per acre by ground. Use of a high quality adjuvant, such as methylated seed oil (MSO) for ground applications and crop oil concentrate (COC) for aerial applications is recommended. Use only adjuvant products labeled for agricultural use and follow the directions on the manufacturers label.

SITE	PEST	DOSAGE PER ACRE		SPECIFIC DIRECTIONS
		POUNDS ACTIVE	OUNCES INTRUDER WSP INSECTICIDE	
COTTON	Aphids	0.025-0.05	0.6-1.1	Aphid species may differ in susceptibility to this product. If you are unsure of the aphid species present and its susceptibility, use the higher rate. Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.

	Whitefly Sweet Potato Silver Leaf	0.075-0.1	1.7-2.3	Begin applications when whitefly adults appear prior to development of nymphs. Do not wait until heavy populations have become established. For whitefly control, INTRUDER Brand WSP Insecticide should be applied in a minimum finished spray volume of 5 gallons per acre by aircraft and 15 gallons per acre by ground equipment. Make applications on a minimum 7 day interval as long as pest pressure continues. Use the high rate under heavy pressure. Whiteflies have shown a tendency to develop resistance. For resistance management purposes, alternating applications of different chemical classes reduces the potential for resistance development.
	Plantbugs ( <i>Lygus</i> spp.)	0.05	1.1	Begin applications when treatment thresholds have been reached. Some species of plantbugs may be less susceptible and may only be suppressed by applications of this product. Two applications at 7 to 10 day intervals may be required to achieve control. Thorough coverage is important to obtain optimum control.
	Fleahopper	0.025-0.05	0.6-1.1	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Thrips	0.035-0.05	0.8-1.1	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. The addition of an adjuvant enhances coverage and may improve pest control.
<b>FOR USE AS AN OVICIDE ON COTTON</b>	Budworm Bollworm	0.025-0.05	0.6-1.1	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Whitefly	0.075-0.1	1.7-2.3	Applications made for ovicidal control will not provide sustained control of migrating adults.

**RESTRICTIONS:**

- For any of the pests listed above, use the high rate under heavy pest pressure.
- Do not make more than 4 applications per season.
- Do not apply more than once every 7 days.
- Do not apply less than 28 days before harvest (PHI = 28 days).
- Do not exceed a total of 0.4 lbs. active ingredient (9 ozs product) per acre per crop.
- There are no rotational crop plantback restrictions for this product.

**LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read This Limitation of Warranty and Liability Before Buying or Using This Product. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use

or application, or other unknown factors, all of which are beyond the control of Nippon Soda Co., Ltd. (Nisso). These risks can cause: ineffectiveness of the product; crop injury, or injury to non-target crops or plants.

WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.

Nisso warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NISSO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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**NET CONTENTS:** \_\_\_\_\_  
BATCH No. : \_\_\_\_\_

Nippon Soda Co., Ltd.  
2-1, 2-Chome Ohtemachi  
Chiyoda-ku, Tokyo 100-8165 Japan

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[Individual INTRUDER brand WSP Insecticide Unit Labeling]

**INTRUDER Brand WSP Insecticide**

**Keep Out of Reach of Children**

**CAUTION**

ACTIVE INGREDIENT: Acetamiprid, (E)-N<sup>1</sup>-[(6-chloro-3-pyridyl)methyl]-N<sup>2</sup>-cyano-N<sup>1</sup>-methyl acetamidine...70% by wt.

INERT INGREDIENTS:..... 30% by wt.

EPA Reg. No. 8033-24

Net Contents: 12 ounces

Refer to the Main Label for Precautionary Statements and Directions for Use