

66222-247

12/23/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

DEC 23 2013

Ms. Laura Phelps  
Makhteshim Agan of North America, Inc.  
3120 Highwoods Blvd. #100  
Raleigh, NC 27604

Subject: Amended label to add pollinator protection language  
Product Name: Skyraider  
EPA Reg. No. 66222-247  
EPA Decision No. 485389  
Submission dated August 29, 2013; resubmission dated December 17, 2013

Dear Ms. Phelps:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. See 40 CFR 156.10(a)(6).

Under 40 CFR 152.130(d), EPA may establish dates by which all product distributed or sold by the registrant must bear revised labeling. The following paragraphs set forth the schedule for ensuring that that your product bears revised labeling within a reasonable time period:

- Any product released for shipment after 2/28/14 must bear the new label.

If these conditions are not complied with, EPA will take appropriate action against this registration. If you have any questions please contact Julie Chao at 703-308-8735 or [chao.julie@epa.gov](mailto:chao.julie@epa.gov).

Regards,

A handwritten signature in black ink, appearing to read "Richard Gebken".

Richard Gebken, Product Manager 10  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

**RESTRICTED USE PESTICIDE**

TOXIC TO FISH AND AQUATIC ORGANISMS. FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

**SKYRAIDER**

| ACTIVE INGREDIENT:   | % BY WT. |
|--|----------|
| <b>Bifenthrin:</b> (2-methyl[1,1'-biphenyl]-3-yl) methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-cyclopropanecarboxylate* | 21.65%   |
| <b>Imidacloprid:</b> 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine  | 10.80%   |
| <b>OTHER INGREDIENTS:</b>  | 67.55%   |
| <b>TOTAL:</b>  | 100.00%  |

\*CIS isomers 97% minimum, trans isomers 3% maximum.  
This product contains 2 lb. active Bifenthrin and 1 lb. active Imidacloprid per gallon.

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

This label must be in the possession of the user at the time of application. Si usted no entiende la etiqueta, busque a alguien para que se a explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See other panels for additional precautionary information.

**Manufactured for:**  
Makhteshim Agan of North America, Inc.  
3120 Highwoods Blvd., Suite 100  
Raleigh, NC 27604

**ACCEPTED  
DEC 23 2013**  
Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

For PRODUCT USE Information Call 1-866-406-MANA (62629). EPA Reg. No: 66222-247

EPA Reg. No. 66222-247

EPA Est. No. XXXXXXXXXX

**NET CONTENTS: \_\_\_\_\_ GALLONS**

| <b>FIRST AID</b>               |  |
|--------------------------------|--|
| <b>IF SWALLOWED:</b>           | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquids to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>IF INHALED:</b>             | Move person to fresh air.<br>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.<br>Call a poison control center or doctor for further treatment advice.  |
| <b>IF ON SKIN OR CLOTHING:</b> | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>   |

Have the product container or label with you when calling a poison control center or doctor or going for treatment. **For a medical emergency involving this product call: 1-866-944-8565.**

**NOTE TO PHYSICIAN:** This product contains a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING.** May be fatal if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instruction for Category E on the EPA Chemical resistance category section chart.

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Protective eyewear,
- Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, and
- Shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

### 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

This pesticide is extremely toxic to fish and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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/plants or weeds. Do not apply this product or allow it to drift to blooming crops/plants or weeds while bees are foraging in or adjacent to the treatment area.


The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county, contact the local extension service for procedures and precautions to use to protect endangered species.

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

### PROTECTION OF POLLINATORS



**APPLICATION RESTRICTIONS** EXIST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.

Look for the bee hazard icon  in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

**This product can kill bees and other insect pollinators.**

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- o Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- o Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:

- o Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- o Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at: <http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: [www.aapco.org/officials.html](http://www.aapco.org/officials.html). Pesticide incidents should also be reported to the National Pesticide Information Center at: [www.npic.orst.edu](http://www.npic.orst.edu) or directly to EPA at: [beekill@epa.gov](mailto:beekill@epa.gov)

### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near oxidizing agents.

### DIRECTIONS FOR USE

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

See individual crops for specific pollinator protection application restrictions. If none exist under the specific crop, for foliar applications, follow these application directions for crops that are contracted to have pollinator services or for food/feed crops and commercially grown ornamentals that are attractive to pollinators:



**1. FOR CROPS UNDER CONTRACTED POLLINATION SERVICES**

Do not apply this product while bees are foraging. Do not apply this product until flowering is complete and all petals have fallen unless the following condition has been met:

If an application must be made when managed bees are at the treatment site, the beekeeper providing the pollination services must be notified no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying.



2. FOR FOOD/FEED CROPS AND COMMERCIALY GROWN ORNAMENTALS NOT UNDER CONTRACT FOR POLLINATION SERVICES BUT ARE ATTRACTIVE TO POLLINATORS

Do not apply this product while bees are foraging. Do not apply this product until flowering is complete and all petals have fallen unless one of the following conditions is met:

- The application is made to the target site after sunset
- The application is made to the target site when temperatures are below 55°F
- The application is made in accordance with a government-initiated public health response
- The application is made in accordance with an active state-administered apiary registry program where beekeepers are notified no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying
- The application is made due to an imminent threat of significant crop loss, and a documented determination consistent with an IPM plan or predetermined economic threshold is met. Every effort should be made to notify beekeepers no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying.

Do not apply this product in a way that it 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.

For PRODUCT USE Information Call 1-866-406-MANA (6262).

**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 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 over long-sleeved shirt and long pants;
- Chemical-resistant gloves such as Barrier Laminate or Neoprene Rubber or Viton;
- Shoes plus socks; and
- Protective eyewear.

**RESISTANCE MANAGEMENT**

Some insects are known to develop resistance to products with the same chemical class used repeatedly for control. SKYRAIDER contains Group 3 and Group 4A insecticides. Although pest resistance cannot be predicted, a general rule to reduce the onset of resistance in pest species to SKYRAIDER is not to consecutively and repeatedly apply Group 3 and/or Group 4A insecticides during a growing season for control of a particular pest target. Consult your local or state agricultural authorities or your Makhteshim Agan of North America (MANA) representative for more specific details on insect resistance management strategies.

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

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

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect(s) may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local MANA company representative or agricultural advisor for the best alternative method of control for your area.

**Application Instructions:**

Rate of application is variable according to pest pressure, timing of sprays, and field scouting. Use lower listed rates under light to moderate infestations; higher listed rates under heavy insect pressures. Arid climates generally require higher listed rates.

Use adequate spray volumes, properly calibrated application equipment and VADER® spray adjuvant to obtain thorough coverage. To optimize deposition, penetration, and translocation, use 0.25% v/v of VADER. Other adjuvants must be used at 0.25 to 0.50% v/v.

Cultivation within 10 feet of a water body is prohibited to allow for the growth of a vegetated filter strip. In New York State, this product may not be applied within 100 feet (using ground equipment) or 300 feet (using aerial equipment) of coastal marshes or streams that drain into coastal marshes.

**California Special Equipment and Restrictions:** SKYRAIDER must be used in a closed system that meets the criteria for closed systems as established by the California Department of Food and Agriculture. The criteria and a list of the closed systems meeting the criteria are available through the California Department of Food and Agriculture.

**ROTATIONAL CROPS**

Plant back restrictions are determined by the crop. Crops that have tolerances for both bifenthrin and imidacloprid may be rotated at any time. Crops with tolerances for bifenthrin and not imidacloprid can be rotated 12 months following the final application of SKYRAIDER. Crops that have tolerances for imidacloprid and not bifenthrin may be rotated 30 days following the final application of SKYRAIDER.

**Plant back restrictions:**

**Immediate plant back:** Crops on this label [ artichoke, brassica, cotton, fruiting vegetables, grapes, peanuts, potatoe, tree nuts (except almonds), corn (all), tobacco, tomatoes, eggplant, peppers bell and non-bell, okra, caneberries, citrus, artichoke, lettuce (head and leaf), grapes, spinach, pears, hops, legume vegetables (edible podded), dried beans and peas, succulent beans and peas, tuberous root and corm vegetables (except sugar beet), cilantro and coriander, soybeans and strawberries.

**30 Day plant back:** Cereals, cucurbits, safflower

**10 Month plant back:** Onion and bulb vegetables

**12 Month plant back:** All other crops

**MAXIMUM ALLOWABLE USE PER SEASON**

Refer to the individual crop sections for maximum allowable SKYRAIDER usage per acre per season. The maximum allowable use must include all registered use patterns including at-plant, soil applied and/or foliar applications for the 12 month period. The 12-month period is to begin upon the initial application to the acreage.

**Tank Mixture**

SKYRAIDER may be applied in tank mixtures with other products approved for use on registered crops. Observe all restrictions and precautions which appear on the labels of these products. Test for compatibility of products before mixing.

**BUFFER ZONES**

**Vegetative Buffer Zones**

Construct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds).

Only apply product containing bifenthrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21 pp. <http://www.in.nrcs.usda.gov/technical/aqronomy/newconbuf.pdf>.

**Buffer Zone for Ground Application (groundboom, overhead chemigation, or airblast)**

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Buffer Zone for ULV Aerial Application**

Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**Buffer Zone for Non-ULV Aerial Application**

Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

**SPRAY DRIFT REQUIREMENTS**

**Wind Direction and Speed**

Only apply this product if the wind direction favors on-target deposition. Do not apply when the wind velocity exceeds 15 mph.

**Temperature Inversion**

Do not make aerial or ground applications into temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

**Droplet Size**

Use only medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

**Additional Requirements for Ground Applications**

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

**For ground boom applications**, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

**For airblast applications**, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

**Additional Requirements for Aerial Applications**

The spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of the wing span or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height

greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

#### **CHEMIGATION USE DIRECTIONS**

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

For LEPA irrigation, a minimum of 0.75 inch of water per acre is recommended. Where non-emulsified oils are used as the diluent, 1 to 2 pints per acre is recommended.

Results from utilizing chemigation have been variable and depend upon the set up and calibration of equipment. Crop injury, lack of effectiveness, or illegal residues in the crop can result from non-uniform distribution of treated water. Contact your State Agricultural Extension Service specialists, equipment manufacturers or other experts for consultation on the suitability of the equipment set up to obtain effective control of the target insect pests.

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. Failure to cease application during a mechanical stoppage may result in undesirable residues to adjacent areas. 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.

Do not apply when wind speed favors drift beyond the area intended for treatment. SKYRAIDER should be applied continuously for the duration of the water application. SKYRAIDER should be diluted in sufficient volume to ensure accurate application over the area to be treated. When using chemigation, a minimum of 0.5 inch per acre of irrigation water is recommended. Agitation generally is not required when a suitable diluent is used. A diluent test should be conducted to ensure that phase separation will not occur during dilution and application. Failure to achieve a uniform dilution throughout the time of application may result in undesirable residues or less than desirable control.



**CROP USE INSTRUCTIONS  
AGRICULTURAL USES**

| CROP   | TARGET PESTS  | RATE      | INSTRUCTIONS  |
|--|---|-----------|---|
|  |   | fl oz/A   |   |
| ARTICHOKE<br>(GLOBE)   | Aphid spp.<br>Artichoke plume moth<br>Cribrate weevil<br>Leafhopper spp.  | 6.4       | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply in a minimum of 75 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p><b>Aerial application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p>Use higher listed rates for increased residual control.</p>  |
|  |   |           | <ul style="list-style-type: none"> <li>• Do not apply more than 32 fl oz of Skyraider per year.</li> <li>• Do not apply more than 0.5 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.5 lb AI/A of Bifenthrin per year.</li> <li>• Do not apply within 5 days of harvest.</li> <li>• Do not apply at intervals less than 15 days.</li> </ul>  |
| CROP   | TARGET PESTS  | RATE      | REMARKS   |
|  |   | fl oz/A   |   |
| BRASSICA<br>(Head and Stem)<br>Broccoli, Broccoli (Cavalo), Broccoli (Chinese), Brussels sprouts, Cabbage, Cabbage (Chinese Mustard), Cabbage (Chinese napa), Cauliflower, Cavalo Broccolo, Kohlrabi | Aphid spp.<br>Armyworm spp.*<br>Budworm<br>Corn earworm<br>Crickets<br>Cucumber beetle<br>Cutworm spp.<br>Diamondback moth**<br>Ground beetles<br>Grasshoppers<br>Imported cabbageworm<br>Leafhopper spp.<br>Loopers<br>Saltmarsh caterpillar<br>Stink bug spp.<br>Thrips<br>Tobacco budworm<br>Wireworm (adults) | 2.1 - 6.0 | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 to 2 qts of emulsified oil may be substituted for 1 to 2 qts of water in the finished spray.</p> <p>When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air or 20 gallons/A by ground and higher use rates.</p> <p>Use higher listed rates for increased residual control.</p> |

|  |   |            |  |
|--|---|------------|--|
|  | Banks Grass Mite<br>Beet armyworm<br>Carmin Mite<br>Lygus spp.<br>Pacific spider Mite<br>Two Spotted Spider<br>Mite<br>Whitefly | 5.12 - 6.0 |  |
| <ul style="list-style-type: none"><li>• * Including all armyworm pests except Beet Armyworm.</li><li>• ** Pyrethroid resistance is common for this pest. Consult your local or state agricultural authority to determine if resistant pest populations are in your area. If so refer to the Resistance management statement of this label.</li><li>• Do not apply more than 0.24 lb AI/A of Imidacloprid per season.</li><li>• Do not apply more than 0.5 lb AI/A of Bifenthrin per season.</li><li>• Do not apply within 7 days of harvest.</li><li>• Do not apply at intervals less than 7 days.</li><li>• Do not apply more than 5 applications after bloom.</li><li>• Do not apply more than 32 fl oz of Skyraider per season.</li></ul> |   |            |  |

| CROP   | TARGET PESTS  | RATE       | INSTRUCTIONS  |
|--|---|------------|---|
|  |   | fl oz/A    |   |
| <b>BRASSICA (Leafy Greens)</b><br>Broccoli Raab,<br>Cabbage<br>(Chinese bok choy), Collards,<br>Kale, Mizuna,<br>Mustard Greens,<br>Mustard Spinach,<br>Rape Greens<br>Turnip tops<br>(greens)***  | Aphid spp.<br>Armyworm spp.*<br>Budworm<br>Corn earworm<br>Crickets<br>Cucumber beetle<br>Cutworm spp.<br>Diamondback moth**<br>Ground beetles<br>Grasshoppers<br>Imported cabbageworm<br>Leafhopper spp.<br>Loopers<br>Saltmarsh caterpillar<br>Stink bug spp.<br>Thrips<br>Tobacco budworm<br>Wireworm (adults) | 2.1 – 6.0  | Make applications when pests appear.<br><br>Apply in sufficient volume to ensure sufficient coverage of foliage.<br><br><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.<br><br><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 to 2 qts of emulsified oil may be substituted for 1 to 2 qts of water in the finished spray.<br><br>When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air or 20 gallons/A by ground and higher use rates. |
|  | Banks Grass Mite<br>Beet armyworm<br>Carmine Mite<br>Lygus spp.<br>Pacific spider Mite<br>Two Spotted Spider Mite<br>Whitefly   | 5.12 - 6.0 | Use higher listed rates for increased residual control.   |
| <ul style="list-style-type: none"> <li>• * Including all armyworm pests except Beet Armyworm.</li> <li>• **Pyrethroid resistance is common for this pest. Consult your local or state agricultural authority to determine if resistant pest populations are in your area. If so refer to the Resistance management statement of this label.</li> <li>• *** This use not permitted in California</li> <li>• Do not apply more than 0.24 lb AI/A of Imidacloprid per season.</li> <li>• Do not apply more than 0.5 lb AI/A of Bifenthrin per season.</li> <li>• Do not apply within 7 days of harvest.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply more than 5 applications after bloom.</li> <li>• Do not apply more than 32 fl oz of Skyraider per season.</li> </ul> |   |            |   |

| CROP   | TARGET PESTS   | RATE       | INSTRUCTIONS  |
|--|--|------------|---|
|  |  | fl oz/A    |   |
| <b>CILANTRO and CORIANDER</b>  | Aphid spp.<br>Cabbage looper<br>Cutworm spp.<br>Flea beetle<br>Grasshopper<br>Leafhopper spp.<br>Leafminer<br>Saltmarsh caterpillar<br>Spotted cucumber beetle<br>Thrips | 2.1 – 5.6  | Make applications when pests appear.<br><br>Apply in sufficient volume to ensure sufficient coverage of foliage.<br><br><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.<br><br><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area. |
|  | Beet armyworm<br>Twospotted spider mite<br>Whitefly  | 5.12 – 5.6 | When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air or 20 gallons/A by ground and higher use rates.<br><br>Use higher listed rates for increased residual control.  |
| <ul style="list-style-type: none"> <li>• Do not apply more than 0.13 lb AI/A of Imidacloprid per season.</li> <li>• Do not apply more than 0.5 lb AI/A of Bifenthrin per season.</li> <li>• Do not apply within 3 days of harvest.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply more than 16 fl oz of Skyraider per year.</li> </ul> |  |            |   |

| CROP  | TARGET PESTS   | RATE<br>fl oz/A | INSTRUCTIONS   |
|---|--|-----------------|--|
| <p><b>CITRUS (Except Florida)*:</b><br/>           Calamondin,<br/>           Citron citron,<br/>           Citrus hybrids (includes chironja, tangelo and tangor),<br/>           Grapefruit,<br/>           Kumquat,<br/>           Lemon, Lime,<br/>           Mandarin (tangerine),<br/>           Pummelo,<br/>           Orange (sweet and sour),<br/>           Satsuma mandarin and other cultivars and/or hybrids of these</p> | <p>Asian cockroach<br/>           Diaprepes root weevil (Diaprepes abbreviatus)<br/>           Fire ants</p> | <p>16 – 32</p>  | <p>Apply by ground equipment to bare soil beneath citrus trees - Do not allow any application of the product to contact fruit or foliage.</p> <p>Must be uniformly applied from the trunk to the drip line of tree. Apply in a minimum of 40 gallons of dilute spray per acre or sufficient spray volume to obtain full coverage of target area. Higher spray volume should insure greater uniformity of coverage.</p> <p>A pre- and post-application irrigation may aid in the uniformity of coverage as well.</p> <p>The use of this product protects citrus tree roots from <i>Diaprepes</i> and other citrus root weevil feeding by forming a barrier. As newly hatched Citrus weevil larvae (neonates) fall to the soil surface beneath the tree and come in contact with this product as they attempt to burrow into the root zone. Disturbance of the soil beneath trees should be minimized.</p> <p>Timing of applications is critical and current information suggests that peak emergence of adult Diaprepes Weevil varies by citrus growing region and these emergence peaks can be dramatically affected by environmental factors, such as soil moisture. Usually, two peaks are observed for <i>Diaprepes</i>, first in spring then late summer or early fall. Southern Blue-Green and Blue-Green Citrus Weevils and Fuller Rose Beetle typically exhibit a single emergence peak in the spring. Brown and Little Leaf Notchers typically exhibit three emergence peaks, spring, summer and fall. Since emergence varies seasonally and by location, timing of this product application can be accurately forecast by observing adults. Adults are most active early morning and late afternoon; numbers can be estimated by trapping throughout spring and summer (emergence periods). Egg laying will occur for 8 to 10 weeks following adult emergence from the soil; larval invasion of the soil will begin 2-3 weeks following adult emergence. This product must be applied prior to drop of the neonates. Insecticides are one of several effective tools in an integrated pest management program for Citrus Root Weevils. Application of this product should be used in conjunction with good cultural practices, biological control of larvae and foliar control of adults. Consult local university extension personnel for current information to protect citrus trees from Citrus Root Weevils and other pests.</p> <p>Apply to individual citrus resets, when not in solid planted rows, using hand-gun or shielded sprayer.</p> <p>Peak emergence of Diaprepes root weevil generally occurs in the spring. Depending on weather conditions, a minor emergence of Diaprepes root weevil may also occur in the fall.</p> <p>If the citrus grove to be treated is in an area where weather conditions are conducive to primary emergence occurring in the spring, 32 fl ozs formulated product should be used to obtain the longest residual management of Diaprepes root weevil. If the citrus grove to be treated is in an area where weather conditions will promote more than one peak of pest emergence, 16 fl ozs formulated product can be applied early season and 16 fl ozs formulated product can be applied later in the season. If emergence extends beyond the residual protection of this product, grower is advised to use additional management strategies (i.e. foliar adult control or soil larvae control such as nematodes). Contact your state agricultural Extension Specialist as to the recommendation suited for local conditions.</p> |

- **\*Use in California not permitted**

- Do not apply by air or through irrigation systems
- Do not apply starting 10 days prior to bloom through bloom or when bees are foraging.
- Do not apply more than 0.25 lb AI/A of Imidacloprid per year.
- Do not apply more than 0.5 lb AI/A of Bifenthrin per year.
- Do not apply within 1 day of harvest.
- Do not apply at intervals less than 10 days.
- Do not apply more than 32 fl oz of Skyraider per year.

| CROP   | TARGET PESTS   | RATE    | INSTRUCTIONS   |
|--|--|---------|--|
|  |  | fl oz/A |  |
| <b>CITRUS(Florida only):</b><br>Calamondin,<br>Citron citron,<br>Citrus hybrids (includes chironja, tangelo and tangor),<br>Grapefruit,<br>Kumquat,<br>Lemon, Lime,<br>Mandarin (tangerine),<br>Pummelo,<br>Orange (sweet and sour),<br>Satsuma mandarin, (Casimiroa spp.),<br>and other cultivars and/or hybrids of these | Asian citrus psyllid<br>Blue green citrus root weevil (Pachnaeus opalus)<br>Brown leaf notcher (Epicacrus mexicanus)<br>Diaprepes root weevil (Diaprepes abbreviatus)<br>Leafhoppers/Sharpshooters<br>Leafminers<br>Little leaf notcher (Artipus floridanus)<br>Mealy bugs<br>Scales<br>Southern blue green citrus root weevil (Pachnaeus litus)<br>Whiteflies | 16 – 32 | <p>Apply by ground equipment to bare soil beneath citrus trees - Do not allow any application of the product to contact fruit or foliage.</p> <p>Must be uniformly applied from the trunk to the drip line of tree. Apply in a minimum of 40 gallons of dilute spray per acre or sufficient spray volume to obtain full coverage of target area. Higher spray volume should insure greater uniformity of coverage.</p> <p>A pre- and post-application irrigation may aid in the uniformity of coverage as well.</p> <p>The use of this product protects citrus tree roots from <i>Diaprepes</i> and other citrus root weevil feeding by forming a barrier. As newly hatched Citrus weevil larvae (neonates) fall to the soil surface beneath the tree and come in contact with this product as they attempt to burrow into the root zone. Disturbance of the soil beneath trees should be minimized.</p> <p>Timing of applications is critical and current information suggests that peak emergence of adult <i>Diaprepes</i> Weevil varies by citrus growing region and</p> |

|  |                              |          |  |
|--|------------------------------|----------|--|
|  | Asian cockroaches, Fire ants | 6.4 - 16 | <p>these emergence peaks can be dramatically affected by environmental factors, such as soil moisture. Usually, two peaks are observed for <i>Diaprepes</i>, first in spring then late summer or early fall. Southern Blue-Green and Blue-Green Citrus Weevils and Fuller Rose Beetle typically exhibit a single emergence peak in the spring. Brown and Little Leaf Notchers typically exhibit three emergence peaks, spring, summer and fall. Since emergence varies seasonally and by location, timing of this product application can be accurately forecast by observing adults. Adults are most active early morning and late afternoon; numbers can be estimated by trapping throughout spring and summer (emergence periods). Egg laying will occur for 8 to 10 weeks following adult emergence from the soil; larval invasion of the soil will begin 2-3 weeks following adult emergence. This product must be applied prior to drop of the neonates. Insecticides are one of several effective tools in an integrated pest management program for Citrus Root Weevils. Application of this product should be used in conjunction with good cultural practices, biological control of larvae and foliar control of adults. Consult local university extension personnel for current information to protect citrus trees from Citrus Root Weevils and other pests.</p> <p>Apply to individual citrus resets, when not in solid planted rows, using hand-gun or shielded sprayer.</p> <p>Peak emergence of <i>Diaprepes</i> root weevil generally occurs in the spring. Depending on weather conditions, a minor emergence of <i>Diaprepes</i> root weevil may also occur in the fall.</p> <p>If the citrus grove to be treated is in an area where weather conditions are conducive to primary emergence occurring in the spring, 32 fl ozs formulated product should be used to obtain the longest residual management of <i>Diaprepes</i> root weevil. If the citrus grove to be treated is in an area where weather conditions will promote more than one peak of pest emergence, 16 fl ozs formulated product can be applied early season and 16 fl ozs formulated product can be applied later in the season. If emergence extends beyond the residual protection of this product, grower is advised to use additional management strategies (i.e. foliar adult control or soil larvae control such as nematodes). Contact your state agricultural Extension Specialist as to the recommendation suited for local conditions.</p> |
|--|------------------------------|----------|--|



- Do not apply by air or through irrigation systems
- Do not apply starting 10 days prior to bloom through bloom or when bees are foraging.
- Do not apply more than 0.25 lb AI/A of Imidacloprid per year.
- Do not apply more than 0.5 lb AI/A of Bifenthrin per year.
- Do not apply within 1 day of harvest.
- Do not apply at intervals less than 10 days.
- Do not apply more than 32 fl oz of Skyraider per year.

| CROP  | TARGET PESTS   | RATE              | INSTRUCTIONS   |
|---|--|-------------------|--|
|   |  | fl.<br>oz./1000RF |  |
| CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (AT PLANT USE)  | Corn rootworm larvae<br>Northern<br>Southern<br>Western  | 0.30              | Apply in a minimum of 3 gallons per acres as a 5 to 7 inch T-band treatment over an open seed furrow.<br><br>Position the spray nozzle behind the planter shoe, in front of the press wheel centered over the row. Use the table below to determine this product's needs/A.  |
|   | Army cutworm<br>Cutworm spp.<br>Grubs<br>Seed corn beetle<br>Seed corn maggot<br>True armyworm or<br>Armyworm spp.<br>Wireworm | 0.15 – 0.30       | Mix this product with water or fertilizer in the following manner: Fill the spray tank approximately one-half full with water or liquid fertilizer, add the proper amount of this product, then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.<br><br>Applications of this product alone or in recommended tank mixtures, in conjunction with in-furrow pop-up fertilizers may be used.<br><br>A jar compatibility test should be performed with appropriate ratio of this product and fertilizer to ensure mixture will stay in solution.<br><br>Constant agitation should be maintained. |
| <ul style="list-style-type: none"> <li>• Do not apply more than 0.15 lb AI/A imidacloprid (9.5 fl oz Skyraider) per year as an at plant application.</li> <li>• Do not apply more than 0.3 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.3 lb AI/A of Bifenthrin per year including PRE and PPI, at-planting, plus foliar applications.</li> <li>• Do not apply within 30 days of harvest.</li> <li>• Do not apply to soil where there is greater than 30% cover of crop residue remaining.</li> <li>• Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment. Do not apply more than .19 fl oz of Skyraider per year.</li> </ul> |  |                   |  |

|                               |      |       |        |      |
|-------------------------------|------|-------|--------|------|
| Row Spacing (inches)          | 40   | 38    | 36     | 30   |
| SKYRAIDER (lbAI/A)            | 0.09 | 0.096 | 0.1035 | 0.12 |
| SKYRAIDER (Product – fl oz/A) | 3.9  | 4.1   | 4.4    | 5.12 |

| CROP  | TARGET PESTS   | RATE           | INSTRUCTIONS   |
|---|--|----------------|--|
|   |  | fl. oz./1000RF |  |
| FIELD CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (PRE & PPI) | Armyworm spp.<br>Black cutworm<br>Seedcorn maggot<br>Stalkborer<br>White grub<br>Wireworm  | 3 - 4          | Pre-Plant Incorporated (PPI)<br>The 3 to 4 ozs/A rate must be applied as PPI and can be tankmixed and applied with PPI herbicides. Incorporation of this product should not be any deeper than the intended planting depth and no deeper than 3 inches. Incorporation depth should be close to the intended seed planting depth. |
|   | Armyworm spp.<br>Black cutworm<br>Stalkborer   | 2.56           | Pre-Emergence (PRE)<br>The 2.56 ozs/A rate may be applied PRE and can be tankmixed and applied with PRE herbicides.  |
|   | <ul style="list-style-type: none"> <li>Do not apply more than 0.3 lb AI/A of Imidacloprid per year.</li> <li>Do not apply more than 0.3 lb AI/A of Bifenthrin per year including PRE and PPI, at-planting, plus foliar applications.</li> <li>Do not apply within 30 days of harvest.</li> <li>Do not apply to soil where there is greater than 30% cover of crop residue remAI/Aning.</li> <li>Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment.</li> <li>Do not apply more than 19 fl oz of Skyraider per year.</li> </ul> |                |  |

| CROP   | TARGET PESTS  | RATE      | INSTRUCTIONS  |
|--|---|-----------|---|
|  |   | fl oz/A   |   |
| FIELD CORN (GRAIN AND SILAGE), POPCORN, FIELD CORN GROWN FOR SEED (FOLIAR USE) | Aphids<br>Army cutworm<br>Beet armyworm<br>Cereal leaf beetle<br>Chinch bug<br>Common stalk borer<br>Corn earworm<br>Corn rootworm adults<br>Cucumber beetle adult<br>Cutworm spp.<br>Southwestern corn borer<br>European corn borer<br>Fall armyworm<br>Flea beetle<br>Grasshoppers<br>Greenbug<br>Japanese beetle adult<br>Sap beetle<br>Southern armyworm<br>Southern corn leaf beetle<br>Stink bug<br>Tarnished plant bug<br>True armyworm or Armyworm spp.<br>Webworms<br>Western bean cutworm<br>Yellowstriped armyworm | 2.1 - 6.4 | <p><b>General:</b> Apply in a minimum of 2 to 5 gallons of finished spray/A by air or in a minimum of 10 gallons/A with ground equipment. To improve control by air, use 5 gallons of finished spray/A particularly when initial populations are heavier than normal. When applying by air, 1 to 2 qts of emulsified oil may be substituted for 1 to 2 qts of water in the finished spray. Thorough coverage is essential to achieve control.</p> <p><b>To control ear-attacking pests:</b> Apply this product just before silking and repeat as necessary to maintain control, but do not exceed maximum application rates and reapplication intervals listed elsewhere in this section.</p> <p><b>Southwestern corn borer, European corn borer:</b> Make application for corn borer control with initial application at or shortly before egg hatch.</p> <p><b>For control of other insect pests:</b> Apply when pests first appear and repeat as necessary but do not exceed maximum application rates and reapplication intervals listed elsewhere in this section.</p> |

|  |   |                   |   |
|--|---|-------------------|---|
|  | <p>Banks grass mite<br/>Carmine mite<br/>Twospotted spider mite</p> | <p>5.12 – 6.4</p> | <p><b>For control of mites:</b><br/><b>Banks Grass Mite</b> - Apply for control when colonies first form prior to leaf damage or discoloration and before dispersal above the bottom third of the plant.<br/><b>Twospotted Spider Mite and Carmine Mite</b> - Apply when colonies first form prior to leaf damage or discoloration and before widespread mite dispersal throughout the canopy.<br/><br/>Higher listed rates will be necessary for heavier initial populations and corn under heat or drought stress. Field experience with dimethoate at 0.5 lb AI/A in tank mixture has demonstrated good control under these conditions.<br/><br/><b>For mite control in Texas, New Mexico, Oklahoma, Arizona:</b> Apply in a minimum of 5 gallons of finished spray/A by aircraft or in a minimum of 10 gallons/A with ground equipment.</p> |
| <ul style="list-style-type: none"><li>• Do not apply more than 0.3 lb AI/A of Imidacloprid per year.</li><li>• Do not apply more than 0.3 lb AI/A of Bifenthrin per year including PRE and PPI, at-planting, plus foliar applications.</li><li>• Do not apply more than 0.3 lb AI/A/season including PRE &amp; PPI, at plant, plus foliar applications.</li><li>• Do not apply at intervals less than 7 days.</li><li>• Do not apply more than 5 applications after bloom.</li><li>• Do not apply within 30 days of harvest.</li><li>• Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment.</li><li>• Do not use on corn in all coastal counties.</li><li>• Do not make applications to corn if heavy rainfall is imminent.</li><li>• Do not apply using Ultra Low Volume (ULV) application.</li><li>• Do not apply more than 19 fl oz of Skyraider per year.</li></ul> |   |                   |   |

| CROP  | TARGET PESTS   | RATE              | INSTRUCTIONS   |
|---|--|-------------------|--|
|   |  | fl.<br>oz./1000RF |  |
| <b>SWEET CORN (GRAIN AND SILAGE)</b><br><b>SWEET CORN GROWN FOR SEED (AT PLANT USE)</b>   | Corn rootworm larvae<br>Northern<br>Southern<br>Western<br>Mexican   | 0.3               | <p>Apply in a minimum of 3 gallons per acres as a 5 to 7 inch T-band treatment over an open seed furrow.</p> <p>Position the spray nozzle behind the planter shoe, in front of the press wheel centered over the row. Use the table below to determine this product's needs/A.</p> <p>Mix this product with water or fertilizer in the following manner: Fill the spray tank approximately one-half full with water or liquid fertilizer, add the proper amount of this product, then add the rest of the water or fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.</p> <p>Applications of this product alone or in recommended tank mixtures, in conjunction with in-furrow pop-up fertilizers may be used.</p> <p>A jar compatibility test should be performed with appropriate ratio of this product and fertilizer to ensure mixture will stay in solution.</p> <p>Constant agitation should be maintained during mixing and application.</p> |
|   | Army cutworm<br>Cutworm spp.<br>Grubs<br>Seed corn beetle<br>Seed corn maggot<br>True armyworm or<br>Armyworm spp.<br>Wireworm | 0.15 – 0.30       |  |
| <ul style="list-style-type: none"> <li>• Do not apply more than 0.15 lb (9.5 fl oz Skyraider) AI/A/season as an at plant application.</li> <li>• Do not apply more than 0.2 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.2 lb AI/A of Bifenthrin per year.</li> <li>• Do not apply within 30 days of harvest.</li> <li>• Do not apply to soil where there is greater than 30% cover of crop residue remaining.</li> <li>• Do not graze livestock in treated area or cut treated crops for feed within 30 days of treatment.</li> <li>• Do not apply more than 12.8 fl oz of Skyraider per year.</li> </ul> |  |                   |  |

|                               |      |       |       |      |
|-------------------------------|------|-------|-------|------|
| Row Spacing (inches)          | 40   | 38    | 36    | 30   |
| SKYRAIDER (lbAI/A)            | 0.09 | 0.096 | 0.103 | 0.12 |
| SKYRAIDER (Product – fl oz/A) | 3.9  | 4.1   | 4.4   | 5.12 |

| CROP  | TARGET PESTS  | RATE       | INSTRUCTIONS  |
|---|---|------------|---|
|   |   | fl oz/A    |   |
| <b>SWEET CORN (GRAIN AND SILAGE)</b><br><b>SWEET CORN GROWN FOR SEED (FOLIAR USE)</b> | Aphids<br>Army cutworm<br>Aster leafhopper<br>Beet armyworm<br>Cereal leaf beetle<br>Chinch bug<br>Common stalk borer<br>Corn earworm<br>Corn rootworm adults<br>Corn silk fly<br>Cucumber beetle adult<br>Cutworm spp.<br>European corn borer<br>Fall armyworm<br>Flea beetle<br>Grasshoppers<br>Greenbug<br>Japanese beetle adult<br>Leafhoppers<br>Sap beetle<br>Southern armyworm<br>Southern corn leaf beetle<br>Southwestern corn borer<br>Stinkbugs<br>Tarnished plant bug<br>Thrips<br>True armyworm or Armyworm spp.<br>Webworms<br>Western bean cutworm<br>Yellowstriped armyworm | 2.1 – 6.4  | <p><b>General:</b> Apply in a minimum of 2 gallons of finished spray/A by air or in a minimum of 10 gallons/A with ground equipment. To improve control by air, use 5 gallons of finished spray/A particularly when initial populations are heavier than normal. When applying by air, 1 to 2 qts of emulsified oil may be substituted for 1 to 2 qts of water in the finished spray. Thorough coverage is essential to achieve control.</p> <p><b>To control ear-attacking pests:</b> Apply this product just before silking and repeat as necessary to maintain control, but do not exceed maximum application rates and reapplication intervals listed elsewhere in this section.</p> <p><b>For control of other insect pests:</b> Apply when pests first appear and repeat as necessary but do not exceed maximum application rates and reapplication intervals listed elsewhere in this section.</p> |
|   | Banks grass mite<br>Carmine mite<br>Twospotted spider mite  | 5.12 – 6.4 | <p><b>For control of mites:</b></p> <p><b>Banks Grass Mite</b> - Apply for control when colonies first form prior to leaf damage or discoloration and before dispersal above the bottom third of the plant.</p> <p><b>Twospotted Spider Mite and Carmine Mite</b> - Apply when colonies first form prior to leaf damage or discoloration and before widespread mite dispersal throughout the canopy.</p> <p>Higher listed rates will be necessary for heavier initial populations and corn under heat or drought stress.</p>  |

- Do not apply more than 0.2 lb AI/A of Imidacloprid per year.
- Do not apply more than 0.2 lb AI/A of Bifenthrin per year.
- Do not apply within 1 day of harvest.
- Do not apply at intervals less than 7 days.
- Do not graze livestock in treated area or cut treated crops for feed within 1 day of treatment.
- Do not use on corn in all coastal counties.
- Do not make applications to corn if heavy rainfall is imminent.
- Do not apply using Ultra Low Volume (ULV) application.
- Do not apply more than 12.8 fl oz of Skyraider per year.

| CROP   | TARGET PESTS  | RATE      | INSTRUCTIONS   |
|--------|---|-----------|--|
|        |   | fl oz/A   |  |
| COTTON | Bandedwinged whitefly<br>Boll weevil<br>Cotton aphid<br>Cotton fleahopper<br>Lygus spp.<br>Plant bugs<br>(excludes Lygus hesperus)<br>Southern garden leafhopper<br>Stink bug spp.        | 2.6 – 6.4 | <p><b>Application in Water:</b><br/>Apply in a minimum of 5 gallons/A with ground equipment or 1 gallon/A by air. When applying by air, 1 qt of emulsified oil may be substituted for one quart of water in the finished spray.</p> <p><b>ULV Application:</b><br/>Apply the listed rate of this product in refined vegetable oil in a minimum of 1 qt of finished spray/A with aircraft calibrated to give adequate coverage.</p> |
|        | Armyworm spp.*<br>Bollworm<br>Cabbage looper<br>Cotton leaf perforator<br>Cutworm spp.<br>European corn borer<br>Pink bollworm<br>Saltmarsh caterpillar<br>Tobacco budworm<br>Thrips spp. | 3.8 – 6.4 | <p><b>To Control Boll Weevil:</b> Apply this product at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels.</p> <p><b>To Control Aphids:</b> Apply when pest first appears. Repeat as necessary to maintain control. Higher listed rates will be required once a damaging threshold is established.</p>  |
|        | Beet armyworm<br>Whitefly   | 6.4       |  |

- \* Including all armyworm pests except Beet Armyworm.
- Do not apply more than 0.31 lb AI/A of Imidacloprid by foliar application per crop; regardless of formulation or method of application, apply no more than 0.5 lb AI/A per acre per year, including seed treatment, soil and foliar uses.
- Do not apply more than 0.5 lb AI/A of Bifenthrin per year.
- Do not apply at intervals less than 7 days.
- Do not apply within 14 days of harvest.
- Do not graze livestock in treated area or cut treated crops for feed.
- Do not make more than 10 synthetic pyrethroid applications (of a single product or a combination of pyrethroid containing products) to a cotton crop in one growing season.
- Do not apply more than 32 fl oz of Skyraider per year.

| CROP  | TARGET PESTS   | RATE       | INSTRUCTIONS  |
|---|--|------------|---|
|   |  | fl oz/A    |   |
| <b>FRUITING VEGETABLES:</b><br><b>Crops of Crop Group 8 including EGGPLANT, PEPPERS (BELL &amp; NON-BELL), GROUNDCHERRY, PEPINO</b> | Armyworm spp.*<br>Cabbage looper<br>Colorado potato beetle<br>Corn earworm<br>Cucumber beetle<br>Cutworms<br>European corn borer<br>Flea beetle<br>Leafminer<br>Loopers<br>Stink bug<br>Thrips<br>Tomato hornworm<br>Tomato pinworm  | 2.1 – 6.4  | Make applications when pests appear.<br><br>Apply in sufficient volume to ensure sufficient coverage of foliage.<br><br><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.<br><br><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 qt of emulsified oil may be substituted for one quart of water in the finished spray. |
|   | Aphid spp.<br>Artichoke plume moth<br>Banks grass mite<br>Carmine mite<br>Leafhopper spp.<br>Pacific spider mite<br>Pepper weevil<br>Twospotted spider mite  | 5.12 – 6.4 | When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air or 20 gallons/A by ground and higher use rates.<br><br>Use higher listed rates for increased residual control.  |
|   | Beet armyworm<br>Lygus spp.<br>Whitefly  | 6.4        |   |
|   | <ul style="list-style-type: none"> <li>• * Including all armyworm pests except Beet Armyworm.</li> <li>• Do not apply more than 0.24 lb AI/A of Imidacloprid per season.</li> <li>• Do not apply more than 0.2 lb AI/A of Bifenthrin per season.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply within 7 days of harvest.</li> <li>• Do not apply more than 12.8 fl oz of Skyraider per year.</li> </ul> |            |   |

| CROP   | TARGET PESTS   | RATE      | INSTRUCTIONS   |
|--------|--|-----------|--|
|        |  | fl oz/A   |  |
| GRAPES | Cutworm spp.<br>Eastern grape leafhopper<br>Flea beetle spp.<br>Grape berry moth<br>Grape bud beetle<br>Grape leafroller<br>Grapeleaf skeletonizer<br>Japanese beetles (adult)<br>Mealybug<br>Omnivorous leafroller<br>Orange tortrix<br>Sharpshooter spp.<br>Thrips (adults)<br>Variegated leafhopper<br>Western grape leafhopper                                 | 3.2 – 6.4 | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply in a minimum of 25 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p><b>Aerial application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 qt of emulsified oil may be substituted for one quart of water in the finished spray.</p> <p>When foliage is dense and/or pest populations are high, use higher spray volumes and higher use rates.</p> <p>Use higher listed rates for increased residual control.</p> |
|        | Black vine weevil<br>Glassywinged sharpshooter<br>Two spotted spider mite  | 6.4       |  |
|        | <ul style="list-style-type: none"> <li>• Do not apply more than 0.1lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.1lb AI/A of Bifenthrin per year.</li> <li>• Do not apply at intervals less than 14 days.</li> <li>• Do not apply within 30 days of harvest.</li> <li>• Do not apply more than 6.4 fl oz of Skyraider per year.</li> </ul> |           |  |



| CROP    | TARGET PESTS  | RATE<br>fl oz/A | INSTRUCTIONS   |
|---------|---|-----------------|--|
| PEANUT* | Corn earworm<br>Cutworm spp.<br>Fall armyworm<br>Grasshoppers<br>Green cloverworm<br>Leafhoppers<br>Lesser cornstalk borer<br>Loopers<br>Rednecked peanut worm<br>Southern armyworm<br>Southern corn rootworm<br>Stink bugs<br>Threecornered alfalfa hopper<br>Thrips<br>Velvetbean caterpillar<br>Yellowstriped armyworm   | 2.1 – 5.6       | <p><b>*Not for Use in California</b></p> <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p>When foliage is dense and/or pest populations are high, use 20 gallons/A by ground and higher listed use rates.</p> <p>Use higher listed rates for increased residual control.</p> |
|         | Aphids<br>Beet armyworm<br>Spider mites<br>Whiteflies   | 5.6             |  |
|         | <ul style="list-style-type: none"> <li>• <b>*Not for Use in California</b></li> <li>• Do not apply more than 0.13 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.5 lb AI/A of Bifenthrin per year.</li> <li>• Do not apply within 14 days of harvest.</li> <li>• Do not apply at intervals less than 14 days.</li> <li>• Do not feed green immature plants and peanut hay to livestock.</li> <li>• Do not apply more than 16 fl oz of Skyraider per year.</li> </ul> |                 |  |

| CROP         | TARGET PESTS   | RATE       | INSTRUCTIONS  |
|--------------|--|------------|---|
|              |  | fl oz/A    |   |
| HEAD LETTUCE | Aphid spp<br>Leafhopper spp.<br>Stink bug spp.<br>Thrips   | 2.1 – 6.0  | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 qt of emulsified oil may be substituted for one quart of water in the finished spray.</p> <p>When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air or 20 gallons/A by ground and higher listed use rates.</p> <p>Use higher listed rates for increased residual control.</p> |
|              | Armyworm spp.*<br>Cabbageworm<br>Corn earworm<br>Crickets<br>Cucumber beetle<br>Cutworm spp.<br>Diamondback moth<br>European corn borer<br>Flea beetle<br><i>Grasshoppers</i><br><i>Ground beetles</i><br>Leafminer<br>Loopers<br>Pepper weevil<br>Tomato hornworm<br>Tomato pinworm<br>Tobacco budworm<br>Saltmarsh caterpillar   | 2.56 – 6.0 |   |
|              | Beet armyworm<br>Carmine mite<br>Lygus spp.<br>Two-spotted spider mite<br>Whiteflies   | 6.0        |   |
|              | <ul style="list-style-type: none"> <li>• * Including all armyworm pests except beet armyworm.</li> <li>• Do not apply more than 0.24 lb AI/A of Imidacloprid per season.</li> <li>• Do not apply more than 0.5 lb AI/A of Bifenthrin per season.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply within 7 days of harvest.</li> <li>• Do not apply more than 32 fl oz of Skyraider per year.</li> </ul> |            |   |

| CROP | TARGET PESTS   | RATE      | INSTRUCTIONS   |
|------|--|-----------|--|
|      |  | fl oz/A   |  |
| HOPS | Root weevil  | 3.2 – 6.4 | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply in a minimum of 100 - 150 gallons per acre in early season; 200 – 250 gallons per acre late season.</p> <p><b>Aerial application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area</p> |
|      | Aphid spp.<br>Armyworm spp.*<br>Cutworm spp.<br>Leafrollers<br>Looper spp.   | 3.8 – 6.4 | <p><b>Aerial application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area</p>   |
|      | Two spotted spider mite<br>Beet armyworm   | 6.4       | <p>For Root weevil control: Make a direct spray to the base of the plant. Spray up to 3 ft on the vine and 1.5 to 2 ft on sides of the plant. Thorough coverage is essential to achieve control.</p> <p>Use higher listed rates for increased residual control.</p>  |
|      | <ul style="list-style-type: none"> <li>• *All armyworm except Beet Armyworm</li> <li>• Do not apply more than 0.3 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.3 lb AI/A of Bifenthrin per year.</li> <li>• Do not apply at intervals less than 21 days.</li> <li>• Do not apply within 28 days of harvest.</li> <li>• Do not apply more than 19 fl oz of Skyraider per year.</li> <li>•</li> </ul> |           |  |

| CROP    | TARGET PESTS  | RATE       | REMARKS   |
|---------|---|------------|---|
|         |   | fl oz/A    |   |
| SPINACH | Armyworm spp.*<br>Cabbageworm<br>Colorado potato beetle<br>Corn earworm<br>Cucumber beetle<br>Cutworm spp.<br>Diamondback moth<br>European corn borer<br>Flea beetle<br>Leafhopper spp.<br>Leafminer<br>Loopers<br>Pepper weevil<br>Stink bugs<br>Thrips<br>Tomato hornworm<br>Tomato pinworm<br>Tobacco budworm<br>Saltmarsh caterpillar | 2.1 – 6.0  | Make applications when pests appear.<br><br>Apply in sufficient volume to ensure sufficient coverage of foliage.<br><br><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.<br><br><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 qt of emulsified oil may be substituted for one quart of water in the finished spray.<br><br>When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air or 20 gallons/A by ground and higher use rates.<br><br>Use higher listed rates for increased residual control. |
|         | Banks grass mite<br>Broad mite<br>Carmine mite<br>Fire ants<br>Lygus spp.<br>Pacific spider mite<br>Twospotted spider mites   | 5.12 – 6.0 |   |
|         | Aphids<br>Beet armyworm<br>Whiteflies   | 6.0        |   |
|         |   |            | <ul style="list-style-type: none"> <li>• * Including all armyworms pests except beet armyworm.</li> <li>• Do not apply more than 0.24 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.43 lb AI/A of Bifenthrin per year.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply within 40 days of harvest.</li> <li>• Do not apply more than 27.5 fl oz of Skyraider per year.</li> <li>•</li> </ul>  |

| CROP  | TARGET PESTS   | RATE       | INSTRUCTIONS  |
|-------|--|------------|---|
|       |  | fl oz/A    |   |
| OKRA  | Aphid spp.<br>Armyworm<br>Corn earworm<br>Cucumber beetle<br>Cutworms<br>European corn borer<br>Flea beetles<br>Leafminer<br>Loopers<br>Japanese beetle (adult)<br>Stink bug spp.<br>Thrips Whitefly   | 2.1 – 6.0  | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p>When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air or 20 gallons/A by ground and higher listed use rates.</p> <p>Use higher listed rates for increased residual control.</p> |
|       | Broad Mite .<br>Carmine Mite<br>Lygus spp.<br>Two Spotted Spider Mite  | 6.0        |   |
|       | <ul style="list-style-type: none"> <li>• Do not apply more than 0.24 lb AI/A of Imidacloprid per season.</li> <li>• Do not apply more than 0.20 lb AI/A of Bifenthrin per season.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply within 7 days of harvest.</li> <li>• Do not apply more than 12.8 fl oz of Skyraider per year.</li> <li>•</li> </ul> |            |   |
| CROP  | TARGET PESTS   | RATE       | INSTRUCTIONS  |
|       |  | fl oz/A    |   |
| PEARS | Aphid spp.<br>Codling moth<br>Cutworm spp.<br>Green fruitworm<br>Leafhopper spp.<br>Leafminer<br>Leafroller<br>Lygus spp.<br>Plum curculio<br>Stink bug spp.   | 2.6 – 12.8 | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply as a dilute spray in a minimum of 200 gallons per acre (Dilute) and 50 gallons per acre (concentrate) or sufficient spray volume to obtain full coverage of the foliage or target area.</p>   |

|   |            |   |
|---|------------|---|
| Twospotted Spider Mite<br>Yellow Mite   | 3.8 – 12.8 | <p><b>Aerial application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p>When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air 20 gallons/A by ground and higher listed use rates.</p> <p>Use higher listed rates for increased residual control.</p> |
| European Red Mite   | 5.12– 12.8 |   |
| Apple maggot  | 12.8       |   |
| <ul style="list-style-type: none"> <li>• Do not apply more than 0.5 lb AI/A of Imidacloprid per season (0.45 lb AI/A after petal fall).</li> <li>• Do not apply more than 0.5 lb AI/A of Bifenthrin per season (0.45 lb AI/A after petal fall).</li> <li>• Do not apply at intervals less than 30 days.</li> <li>• Do not apply within 14 days of harvest.</li> <li>• Do not graze livestock in treated orchards or cut treated cover crops for feed.</li> <li>• Do not apply more than 32 fl oz of Skyraider per year.</li> <li>• Do not apply pre-bloom or during bloom or when bees are foraging.</li> </ul> |            |   |

| CROP                 | TARGET PESTS   | RATE      | INSTRUCTIONS   |
|----------------------|--|-----------|--|
|                      |  | fl oz/A   |  |
| POTATO (Foliar uses) | Banded cucumber beetle<br>Black flea beetle<br>Cucumber beetle<br>European corn borer<br>Grasshopper spp.<br>Looper spp.<br>Flea beetle spp.<br>June beetle<br>Sugarcane beetle<br>Sweetpotato flea beetle<br>Sweetpotato weevil<br>Tuberworm<br>Whitefringed beetle   | 2.1 – 6.0 | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply in a minimum of 5 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p><b>Aerial application:</b> Apply in a minimum of 1 gallon per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 qt of emulsified oil may be substituted for 1 qt of water in the finished spray.</p> <p>When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air or 20 gallons/A by ground and higher listed use rates.</p> <p>Use higher listed rates for increased residual control.</p> |
|                      | Aphid<br>Colorado Potato beetle<br>Leafhopper<br>Potato psyllid<br>Whitefly  | 6.0       |  |
|                      | <ul style="list-style-type: none"> <li>• Do not apply more than 0.2 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.2 lb AI/A of Bifenthrin per year.</li> <li>• Two applications are permitted per year. It is permitted to make one at-plant application followed by a foliar application later in the same growing year.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply within 21 days of harvest.</li> </ul> |           |  |
| CROP                 | TARGET PESTS   | RATE      | REMARKS  |
|                      |  | fl oz/A   |  |
| POTATO (At-plant)    | Aphid spp.<br>Colorado potato beetle<br>Flea beetle spp. (adult, larvae)<br>Japanese beetle (larvae)<br>Leafhopper spp.<br>Potato psyllid<br>Rootworm spp.<br>White grub<br>Wireworm   | 12.8      | <b>At-plant Application/In-furrow applications:</b><br>Apply as an in-furrow spray onto the seed pieces or seed potatoes.  |

| <ul style="list-style-type: none"> <li>• Do not apply within 21 days of harvest.</li> <li>• Do not apply more than 0.2 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.2 lb AI/A of Bifenthrin per year.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• A maximum of one at-plant application is permitted/year (12.8 fl oz Skyraider).</li> </ul>  |  |           |   |
|--|--|-----------|---|
| CROP   | TARGET PESTS   | RATE      | INSTRUCTIONS  |
|  |  | fl oz/A   |   |
| <b>TUBEROUS AND CORM VEGETABLES:</b><br>Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, ediable; cassava, bitter and sweet; chayote (root); chufa; dasheen (taro); Ginger; Leren; Tanier; Turmeric; Bean, Yam, True yam.  | Banded cucumber beetle<br>Black flea beetle<br>Cucumber beetle<br>European corn borer<br>Grasshopper spp.<br>Looper spp.<br>Flea beetle spp.<br>June beetle<br>Sugarcane beetle<br>Sweetpotato flea beetle<br>Sweetpotato weevil<br>Tuberworm<br>Whitefringed beetle | 2.1 – 6.0 | Make applications when pests appear.<br><br>Apply in sufficient volume to ensure sufficient coverage of foliage.<br><br><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.<br><br><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 qt of emulsified oil may be substituted for 1 qt of water in the finished spray.<br><br>When foliage is dense and/or pest populations are high, use 5-10 gallons/A by air or 20 gallons/A by ground and higher listed use rates.<br><br>Use higher listed rates for increased residual control. |
|  | Aphid<br>Colorado Potato beetle<br>Leafhopper<br>Potato psyllid<br>Whitefly  | 6.0       |   |
| <ul style="list-style-type: none"> <li>• Do not apply more than 0.13 lb AI/A of Imidacloprid per season (0.45 lb AI/A after petal fall).</li> <li>• Do not apply more than 0.5 lb AI/A of Bifenthrin per season (0.45 lb AI/A after petal fall).</li> <li>• Do not apply more than 2 applications per season.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply within 21 days of harvest.</li> <li>• Do not make more than 10 synthetic pyrethroid applications (of a single product or a combination of pyrethroid containing products) to a potato crop in one growing season.</li> <li>• Do not apply more than 16 fl oz of Skyraider per year.</li> <li>•</li> </ul> |  |           |   |



| CROP   | TARGET PESTS  | RATE       | INSTRUCTIONS   |
|--|---|------------|--|
|  |   | fl oz/A    |  |
| TREE NUTS<br>except Almonds  | Aphids (except black pecan aphid)<br>Codling moth<br>Filbert worm<br>Hickory shuckworm<br>Leaffooted bug<br>Navel orangeworm<br>Oblique banded leafroller<br>Leafhoppers/Sharpshooters<br>Peach twig borer<br>Pecan leaf casebearer<br>Pecan nut casebearer<br>Phylloxera spp.<br>(leaf infestations)<br>Plantbug spp.<br>Spittlebugs<br>Stink bug spp. | 3.2 – 11.2 | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply by ground as a dilute (minimum of 200 gallons of finished spray per acre) or concentrate (50 gallons of finished spray per acre) spray in sufficient water to provide through coverage.</p> <p><b>Aerial application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p>Use higher listed rates for increased residual control.</p> |
|  | Black pecan aphid<br>European mite<br>Mealybugs<br>San Jose scale<br>Spider mite  | 5.1 – 11.2 | Applications for control of San Jose scale should be timed according to crawler stage, treating each successive generation.  |
|  | Fire ants<br>Walnut husk fly  | 3.2 -11.2  |  |
| <ul style="list-style-type: none"> <li>• Do not apply more than 0.36 lb AI/A of Imidacloprid per season.</li> <li>• Do not apply more than 0.5 lb AI/A of Bifenthrin per season.</li> <li>• Do not apply at intervals less than 15 days.</li> <li>• Do not apply within 7 days of harvest. (Pecan PHI – 21 days)</li> <li>• Do not apply during bloom or within 10 days prior to bloom or when bees are foraging.</li> <li>• Do not apply more than 32 fl oz of Skyraider per year.</li> </ul> |   |            |  |

| CROP   | TARGET PESTS   | RATE       | INSTRUCTIONS  |
|--|--|------------|---|
|  |  | fl oz/A    |   |
| <b>LEGUME VEGETABLES DRIED BEANS AND PEAS except Soybeans</b><br>Including: Dried cultivars of bean ( <i>Lupinus</i> spp.) ( <i>Phaseolus</i> spp.); and any one (includes grAl/An lupin, sweet lupin, dried cultivar of pea ( <i>Pisum</i> white lupin, and white sweet lupin); ( <i>Phaseolus</i> spp.) (includes field bean, kidney bean, lima bean(dry), navy bean, pinto bean, tepary bean; bean ( <i>Vigna</i> spp.) (includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean; lentil; pea ( <i>Pisum</i> spp.) (includes field pea); pigeon pea. | Alfalfa caterpillar<br>Aphid spp.<br>Armyworm spp.*<br>Bean leaf beetle<br>Cloverworm<br>Corn earworm<br>Corn rootworm (adult)<br>Cucumber beetle<br>Cutworm spp.<br>European corn borer<br>Flea beetle spp.<br>Grasshopper<br>Japanese beetle (adult)<br>June beetle (adult)<br>Leafhopper spp.<br>Looper spp.<br>Mexican bean beetle<br>Pea leaf weevil<br>Pea weevil<br>Sap beetle (adult)<br>Saltmarsh caterpillar<br>Silverspotted skipper<br>Threecornered alfalfa hopper<br>Thrips (adult) (foliage feeding)<br>Webworm | 2.1 – 5.6  | Make applications when pests appear.<br><br>Apply in sufficient volume to ensure sufficient coverage of foliage.<br><br><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.<br><br><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 qt of emulsified oil may be substituted for 1 qt of water in the finished spray.<br><br>Use higher listed rates for increased residual control. |
|  | Banks grass mite<br>Beet armyworm<br>Carmine Mite<br>Lygus spp.<br>Twospotted spider mite<br>Whitefly  | 5.12 – 5.6 |   |
|  | <ul style="list-style-type: none"> <li>• *All armyworm except Beet Armyworm</li> <li>• Do not apply more than 0.13 lb AI/A of Imidacloprid per season.</li> <li>• Do not apply more than 0.2 lb AI/A for peas and 0.3 lb AI/A for beans of Bifenthrin per season.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply within 14 days of harvest.</li> <li>• Do not apply more than 12.8 fl oz of Skyraider per year.</li> </ul>   |            |   |

| CROP   | TARGET PESTS  | RATE       | INSTRUCTIONS  |
|--|---|------------|---|
|  |   | fl oz/A    |   |
| <b>SUCCULENT BEANS AND PEAS except soybeans:</b> Crops in the Succulent Pea and Bean group, Pea ( <i>Pisum</i> spp.): Dwarf pea, Edible-pod pea, English pea, Garden pea, Green pea, Snow pea, Sugar snap pea, Pigeon pea; Bean ( <i>Phaseolus</i> spp.): Broadbean (succulent), Lima bean (green), Runner bean, Snap bean, Wax bean; Bean ( <i>Vigna</i> spp.): Asparagus bean, Blackeyed pea, Chinese longbean, Cowpea, Moth bean, Southern pea, Yardlong bean., Jackbean, Soybean (immature seed), Sword bean | Alfalfa caterpillar<br>Bean leaf beetle<br>Cloverworm<br>Corn earworm<br>Corn rootworm (adult)<br>Cucumber beetle<br>Cutworm spp.<br>European corn borer<br>Fall armyworm<br>Flea beetle<br>Japanese beetle (adult)<br>Looper spp.<br>Pea leaf weevil<br>Pea weevil<br>Sap beetle (adult)<br>Southern armyworm<br>Webworm<br>Yellowstriped armyworm | 2.1 – 5.6  | Make applications when pests appear.<br><br>Apply in sufficient volume to ensure sufficient coverage of foliage.<br><br><b>Ground application:</b> Apply in a minimum of 5 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.<br><br><b>Aerial application:</b> Apply in a minimum of 1 gallon per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 qt of emulsified oil may be substituted for 1 qt of water in the finished spray.<br><br>Use higher listed rates for increased residual control. |
|  | Banks grass mite<br>Beet armyworm<br>Carmine Mite<br>Lygus spp.<br>Twospotted spider mite<br>Whitefly   | 5.12 – 5.6 |   |
| <ul style="list-style-type: none"> <li>• Do not apply more than 0.13 lb A/A of Imidacloprid per season.</li> <li>• Do not apply more than 0.2 lb A/A of Bifenthrin per season.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply within 3 days of harvest.</li> <li>• Do not apply more than 12.8 fl oz of Skyraider per year.</li> </ul>   |   |            |   |

| CROP     | TARGET PESTS  | RATE       | INSTRUCTIONS   |
|----------|---|------------|--|
|          |   | fl oz/A    |  |
| SOYBEANS | Alfalfa caterpillar<br>Aphids<br>Aster leafhopper<br>Bean leaf beetle<br>Beet armyworm*<br>Cloverworm<br>Corn earworm<br>Corn rootworm adult<br>Cucumber beetles<br>Cutworms<br>European corn borer<br>Fall armyworm<br>Flea beetle<br>Grasshoppers<br>Imported cabbageworm<br>Japanese beetle adult<br>Leafhoppers<br>Leafminer<br>Loopers<br>Mexican bean beetle (adult)<br>Pea leaf weevil<br>Pea weevil<br>Plant bug<br>Saltmarsh caterpillar<br>Sap beetle<br>Southern armyworm<br>Stink bugs<br>Tarnished plant bug<br>Thrips<br>Tobacco budworm*<br>Twospotted spider mite<br>Webworms<br>Western bean cutworm<br>Yellowstriped armyworm | 2.1 – 6.0  | Make applications when pests appear.<br><br>Apply in sufficient volume to ensure sufficient coverage of foliage.<br><br><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.<br><br><b>Aerial application:</b> Apply in a minimum of 2 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.<br><br>Use higher listed rates for increased residual control. |
|          | Lygus spp.<br>Twospotted spider mite<br>Whitefly  | 5.12 – 6.0 |  |

|  |  |
|--|--|
|  | <ul style="list-style-type: none"> <li>• Do not apply more than 0.14 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.3 lb AI/A of Bifenthrin per year.</li> <li>• Do not apply at intervals less than 30 days.</li> <li>• Do not apply within 21 days of harvest.</li> <li>• Do not apply more than 18 fl oz of Skyraider per year.</li> </ul> <ul style="list-style-type: none"> <li>• *Pyrethroid resistance is common for beet armyworm and tobacco budworm. Consult your local extension specialist, certified crop advisor, and/or manufacturer for insecticide resistance management and/or IPM guidance for the specific site and resistant pest problems.</li> </ul> |
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| CROP   | TARGET PESTS  | RATE<br>fl oz/A | INSTRUCTIONS   |
|--|---|-----------------|--|
| TOBACCO  | Aphid<br>Armyworm spp.<br>Chinch bugs<br>Cutworm spp.<br>Flea beetle (Adults)<br>Grasshoppers<br>Japanese beetles<br>Stalkborers<br>Stink bug<br>Thrips | 2.56 – 6.4      | <p>Make applications when pests appear.</p> <p>Apply in sufficient volume to ensure sufficient coverage of foliage.</p> <p><b>Ground application:</b> Apply in a minimum of 10 gallons per acre or sufficient spray volume to obtain full coverage of the foliage or target area.</p> <p><b>Aerial application:</b> Apply in a minimum of 5 gallon per acre or sufficient spray volume to obtain full coverage of the foliage or target area. When applying by air, 1 qt of emulsified oil may be substituted for 1 qt of water in the finished spray.</p> |
|  | Beet armyworm<br>Lygus spp.<br>Spider mites<br>Whitefly   | 6.4             | <p>Use higher listed rates for increased residual control.</p>   |
| <ul style="list-style-type: none"> <li>• * Including all armyworm pests except beet armyworm.</li> <li>• Do not apply more than 0.28 lb AI/A of Imidacloprid per year.</li> <li>• Do not apply more than 0.3 lb AI/A of Bifenthrin per year.</li> <li>• Do not apply at intervals less than 7 days.</li> <li>• Do not apply within 14 days of harvest.</li> <li>• Do not apply more than 2 applications per season.</li> <li>• Do not apply more than 19 fl oz of Skyraider per year.</li> </ul> |   |                 |  |

| CROP   | TARGET PESTS   | RATE       | INSTRUCTIONS |
|--|--|------------|--------------|
|  |  | fl oz/A    |              |
| TOMATO   | Aphid spp.<br>Armyworm spp.<br>Bean leaf beetle<br>Cabbageworm<br>Cloverworm<br>Corn earworm<br>Corn rootworm<br>Cucumber beetle<br>Cutworms<br>Diamondback moth<br>European corn borer<br>Flea beetle<br>Flea hopper<br>Grasshopper<br>Japanese beetle (adult)<br>Leaf hopper<br>Loopers<br>Lygus spp.<br>Melonworm<br>Pea leaf weevil<br>Pea weevil<br>Pickleworm<br>Rindworm<br>Saltmarsh caterpillar<br>Sap beetle<br>Seedpod weevil<br>Squash bug<br>Stink bug spp.<br>Thrips | 2.1- 5.2   |              |
|  | Twospotted spider mite<br>Colorado potato beetle<br>Pepper weevil  | 5.12 – 6.4 |              |
| <ul style="list-style-type: none"> <li>• Do not apply more than 0.24 lb AI/A of Imidacloprid per season as a foliar application.</li> <li>• Do not apply more than 0.4 lb AI/A of Bifenthrin per season.</li> <li>• Do not apply at intervals less than 10 days.</li> <li>• Do not apply within 1 day of harvest.</li> <li>• Do not apply more than 25 fl oz of Skyraider per year.</li> </ul> |  |            |              |

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:**

**DO NOT ALLOW PRODUCT TO FREEZE.** Do not store below 40° F. If crystals are observed, warm material to above 60° F by placing container in warm location. Shake or roll container periodically to redissolve solids. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

**PESTICIDE 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 of the nearest EPA Regional Office for guidance. Open dumping is prohibited.

**CONTAINER HANDLING:**

**Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Nonrefillable Container (greater than five gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If recycling is not available, puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**LIMITATION OF WARRANTY AND LIABILITY**

Read the entire directions for use, conditions 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 Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:**

To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent

with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:**

To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

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