DINOTEFURAN | GROUP 4A | INSECTICIDE

SESQUIN™ 35 SL

Contains dinotefuran, the active ingredient used in Scorpion® 35SL Insecticide.

For control of listed sucking and chewing insect pests in listed crops.
For Agricultural Use Only

ACTIVE INGREDIENT:	**(% by weight)**
Dinotefuran*, N-methyl-N'-nitro-N"-[(tetrahydro-3-furanyl) methyl]guanidine	35.0%
OTHER INGREDIENTS:	65.0%
TOTAL	100.0%

*Contains 3.24 pounds of active ingredient per gallon.

EPA Reg. No.: 91234-400

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.)

See below for additional Precautionary Statements and Directions for Use.

FIRST AID	
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at **1-844-685-9173** for emergency medical treatment information.	

For Chemical Emergency:
Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

Sesquin™ 35 SL is not manufactured, or distributed by Gowan Company, seller of Scorpion® 35SL Insecticide.

Manufactured for:
Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. 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)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves made of barrier Laminate or Butyl Rubber ≥ 14 mils.

USER SAFETY REQUIREMENTS

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

USER SAFETY RECOMMENDATIONS

Users should:

- 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 pesticide is toxic to aquatic invertebrates. **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** apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** dispose of equipment washwaters or rinsate into a natural drain or water body. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate.

This compound is highly toxic to honeybees. The persistence of residues and potential residual toxicity of Dinotefuran in nectar and pollen suggests the possibility of chronic toxic risk to honeybee larvae and the eventual instability of the hive.

This product is toxic to bees exposed to residue for more than 38 hours following treatment. **DO NOT** apply this product to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state or federal authorities.

Dinotefuran and its degradate, MNG have the properties and characteristics associated with chemicals detected in groundwater. The high water solubility of Dinotefuran, and its degradate, MNG, coupled with their very high mobility, and resistance to biodegradation indicates that these compounds have a strong potential to leach to the subsurface under certain conditions as a result of label use. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT use, pour, spill, or store near heat or open flame. **DO NOT** mix or allow to come in contact with 5% ammonium phosphate or any oxidizing agent. Hazardous chemical reaction may occur. Use water as recommended on the label.

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:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications.
- 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:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product onto beehives or to offsite 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/Pollinator-Protection/

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/2015/07/31/aapco-2/. Pesticide incidents should also be reported to the National Pesticide Information Center at: www.npic.orst.edu or directly to EPA at: beekill@epa.gov

DIRECTIONS FOR USE

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

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 for 38 hours following application.

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

- **DO NOT** apply this product while bees are foraging.
- This product is toxic to bees exposed to residue for more than 38 hours following treatment.
- **DO NOT** apply this product to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by the appropriate state or federal authorities.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

DO NOT apply this product in a way that will contact workers or other person, 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.

SPRAY DRIFT ADVISORY: Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crop thereof rendered for sale, use or consumption.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Workers Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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,
- shoes plus socks, and
- Chemical resistant gloves made of barrier Laminate or Butyl Rubber ≥ 14 mils.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in tank mix with this product.

RESISTANCE MANAGEMENT

Sesquin 35 SL contains a Group 4A insecticide. Insect biotypes with acquired resistance to Group 4A insecticides may eventually dominate the insect population if Group 4 insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by **Sesquin 35 SL** or other Group 4 insecticides.

To delay insecticide resistance consider:

- NOT using a foliar application of **Sesquin 35 SL** or any insecticide in the neonicotinoid class following an in-furrow or in soil application of **Sesquin 35 SL**.
- Optimizing resistance management by applying **Sesquin 35 SL** no more than three times per growing season.
- Avoiding the consecutive use of **Sesquin 35 SL** or other Group 4 insecticides that have a similar target site of action, on the same insect species.
- Using tank mixes or premixes with insecticides from a different target site of action Group as long as the involved products are registered for the same use and have different sites of action.
- Basing insecticide use on a comprehensive Integrated Pest Management (IPM) program.
- Monitoring treated insect populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors and/or manufacturers for resistance management program and/or IPM recommendations for the specific site and resistant pest problems.
- Using another registered pesticide that is not in the neonicotinoid class or nitroguanidine subclass of chemistry, if the maximum season limit of **Sesquin 35 SL** has been applied and pest populations require additional treatments.
- For further information contact Atticus, LLC at 984-465-4800.

APPLICATION INFORMATION

Failure to follow directions and precautions on this label may result in crop injury, poor insect control and /or illegal residues.

For best performance, always follow these directions:

- **Sesquin 35 SL** must be applied when insect pest populations begin to build, but before populations reach economically damaging levels.
- Economic thresholds for pests controlled by **Sesquin 35 SL** may be available from your State and County Extension Service.

- **Sesquin 35 SL** is a selective insecticide that has minimal impact on beneficial arthropods and its use is compatible with Integrated Pest Management (IPM) programs. However, **Sesquin 35 SL** is toxic to bees exposed to direct treatment or to residues on blooming crops and weeds.
- **Sesquin 35 SL** is taken up into foliage after application. However, thorough spray coverage is essential for optimal performance. Apply **Sesquin 35 SL** in sufficient water to ensure good coverage.
- **Sesquin 35 SL** may aid in the suppression of some pests. Suppression can mean either inconsistent control (good to poor), or consistent control at a level below that is generally considered acceptable for commercial control.
- If the maximum season limit of **Sesquin 35 SL**, as defined under **Crop Use Directions**, has been applied and pest populations require additional treatments, use another registered pesticide that is not in the neonicotinoid class or nitroguanidine subclass of chemistry.

ROTATIONAL CROPS

For all crops other than berry and small fruit (subgroup 13-07F and 13-07H), cucurbits, fruiting vegetables, head & stem brassica, leafy vegetables, bulb onion (subgroup 3-07A), green onion (subgroup 3-07B), peach and nectarine, potato, tuberous and corm vegetables (subgroup 1C), and watercress a 120 day plant back interval must be observed.

MIXING INSTRUCTIONS

Add 1/2 of the required amount of water to the mix tank. With the agitator running, add the desired amount of **Sesquin 35 SL** to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after **Sesquin 35 SL** has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Sesquin 35 SL plus Tank Mixtures

Add 1/2 of the required amount of water to the mix tank. Start the agitator before adding any tank mix partners. In general, tank mix partners may be added in this order: products packaged in water soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, liquids, emulsifiable concentrates, surfactants and adjuvants. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all the mixture has been applied.

When using **Sesquin 35 SL** in tank mixtures, all products in water soluble packaging must be added to the tank before any other tank mix partner, including **Sesquin 35 SL**. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using **Sesquin 35 SL** in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions and limitations which appear on the tank mix product label. No label dosage rate may be exceeded, and the most restrictive label precautions and limitations must be followed. This product must not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states which the referenced products are registered.

COMPATIBILITY

IMPORTANT: The crop safety of all potential tank mixes on all crops has not been tested. Before applying any tank mixture not specifically recommended on this label, the safety to the target crop must be confirmed.

Sesquin 35 SL is compatible with most commonly used pesticides. However, since it is not possible to test all possible mixtures, the user must pretest to assure the physical compatibility and lack of phytotoxic effect of any proposed mixtures with **Sesquin 35 SL**. To determine the physical compatibility of **Sesquin 35 SL** with other products, use a jar test, as described below:

Using a quart jar, add the proportionate amounts of the products to 1 qt of water. Add wettable powders and water dispersible granular products first, then liquid flowables and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for additional required ingredients to the spray tank.

APPLICATION PROCEDURES AND SPRAY EQUIPMENT

Ground Application

Spray nozzles must be selected which will provide accurate and uniform spray deposition. Use spray nozzles which provide medium sized droplets and reduce drifts. To help ensure accuracy, calibrate sprayer before each use. For information on spray equipment and calibration, consult nozzle manufacturers and/or State and County Extension Service.

Apply **Sesquin 35 SL** using sufficient water volume to provide thorough and uniform coverage. In situations where a dense canopy exists and/or pest pressure is high, use greater water volumes. The use of a spray adjuvant may improve spray coverage. Avoid making applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

Aerial Application

Apply **Sesquin 35 SL** in water, using the minimum spray volume indicated in the Special Instructions of each crop, but not less than 3 gallons per acre. Increase sprays volume where practical to improve coverage. Avoid making application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

Application through Irrigation Systems (Chemigation)

Sesquin 35 SL alone or in combination with other products which are registered for application through sprinkler irrigation may be applied through irrigation systems where so noted in the soil application of each crop. **Sesquin 35 SL** may be applied through microirrigation (individual spaghetti tube), overhead irrigation, motorized calibrated irrigation equipment, drip or trickle irrigation where so noted in the soil application of each crop, but must NOT be applied through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialist, equipment manufacturers or other experts. **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. 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.

DO NOT APPLY SESQUIN 35 SL THROUGH ANY IRRIGATION SYSTEM PHYSICALLY CONNECTED TO A PUBLIC WATER SYSTEM.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year. **Sesquin 35 SL** may be applied through irrigation systems which may be supplied by a public water system only if the water from the public water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and

that there is no blockage of the overflow of the reservoir tank.

Drip or trickle chemigation requirements:

1. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Services specialists, equipment manufacturers, or other experts.
2. 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 back flow.
3. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
4. 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide pump injection pump when the water pump motor stops.
6. 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.
7. 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.
8. **DO NOT** apply when wind speed favors drift beyond the area intended.

Calibration and Application Instructions

Sesquin 35 SL must be applied under the schedule specified in the specific **Crop Use Directions**, not according to the irrigation schedule, unless the events coincide. In general, set the equipment to apply the minimum amount of water per acre. Run the system at 86 to 90% of the manufacturer's maximum rated travel speed.

The following calibration and application techniques are provided for user reference, but do not constitute a warranty of fitness for application through sprinkler irrigation equipment. Users must check with state and local agencies for potential use restrictions before applying any agricultural chemical through sprinkler irrigation equipment.

Center Pivot Irrigation Equipment:

Notes: 1) Use only drive systems that provide uniform water distribution. 2) **DO NOT** use end guns when chemigating **Sesquin 35 SL** through center pivot systems because of non-uniform application. 3) Plug the first nozzle closest to the well head to protect the water source.

1. Determine the size of the area to be treated.
2. Determine the time required to apply 0.1 – 0.25 inches of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. Run the system at 80 - 95% of the manufacturer's rated maximum travel speed.
3. Using water, determine the injection pump output when operated at normal line pressure.
4. Determine the amount of **Sesquin 35 SL** and any tank mix partners, required to treat the area covered by the irrigation system.
5. Add the required amount of **Sesquin 35 SL** and any tank mix partners, and sufficient water to meet the injection time requirements to the solution tanks. (See **Mixing Instructions** section of this label.)
6. Make sure the system is fully charged with water before starting injection of the **Sesquin 35 SL** solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
7. Maintain constant agitation in the solution tank during the injection period.
8. Inject the specified amount of **Sesquin 35 SL** per acre continuously for one complete revolution of the system.
9. Stop the injection equipment after treatment is complete. Continue to operate the system until the **Sesquin 35 SL** solution has cleared all of the sprinkler heads.
10. Allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water.

Solid Set, Hand Move and Moving Wheel Irrigation Equipment:

1. Determine the acreage covered by the sprinklers.
2. Fill injector solution tank with plain water and calibrate the flow rate of the system to deliver the contents of the tank over a 20 – 40-minute time interval.
3. Determine the amount of **Sesquin 35 SL** required to treat the area covered by the irrigation system.
4. Add the required amount of **Sesquin 35 SL** and any other tank mix partners, into the same quantity of water used to calibrate the injection period. (See **Mixing Instructions** section of this label.)
5. Operate the system at the same pressure and time interval established during the calibration.
6. Inject specified amount of **Sesquin 35 SL** per acre for either a 20 – 40-minute period at the end of the regular irrigation set, or as a 20 – 40-minute injection as a separate application not associated with regular irrigation to maximize retention of the insecticide by the foliage.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the **Sesquin 35 SL** solution has cleared the last sprinkler head. To ensure lines are flushed and free from remaining pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

RECOMMENDATIONS TO AVOID SPRAY DRIFT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making decisions. Where states have more stringent regulations, they must be observed. Follow these recommendations to avoid spray drift:

1. Make applications when wind velocity factors on target product deposition (approximately 3 to 10 mph). **DO NOT** apply when wind velocity exceeds 10 mph. Avoid applications when wind gusts approach 10 mph.
2. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.
3. **DO NOT** cultivate or plant crops within 25 feet of the aquatic area to allow growth of a vegetative filter strip.
4. **DO NOT** make applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with increased 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.

5. Use the largest droplet size consistent with good pest control. Small droplets are more prone to spray drift and can be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
6. Apply as close to target plants as practical to obtain a good spray pattern for adequate coverage. Applications more than 10 feet above the crop canopy must be avoided.
7. For aerial applications, the spray boom may be mounted on the aircraft so to minimize drift caused by wing tip vortices. The minimum practical boom length must be used and must not exceed 75% of wingspan or rotor diameter.

AIR ASSISTED TREE AND VINE SPRAYERS (BERRY / SMALL FRUIT AND TUBEROUS / CORM VEGETABLES ONLY)

Air assisted tree and vine sprayers carry droplets in the canopy of vines via a radially or laterally directed air stream. In addition to the general drift management principles already described, the following specific practices will further reduce drift potential.

1. Adjust deflectors and aiming devices so that spray is only directed into the canopy.
2. Block off upward pointed nozzles when there is no overhanging canopy.
3. Use only enough air volume to penetrate the canopy and provide good coverage. Use a minimum of 50 gallons finished spray per acre.
4. **DO NOT** allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

CROP USE DIRECTIONS

BERRY AND SMALL FRUIT (SUBGROUP 13-07F)
SMALL FRUIT VINE CLIMBING, EXCEPT FUZZY KIWI FRUIT

CROP		
Amur river grape	Kiwifruit, hardy	Cultivars, varieties and/or hybrids of these
Gooseberry	Maypop	
Grape	Schisandra berry	

PEST	RATE	COMMENTS
Glassy-Winged Sharpshooter Grape Berry Moth (first and second generation only) Leafhoppers Mealybug Multi-colored Asian Lady Beetle Thrips	**FOLIAR:** 1.75 - 5.25 fl. oz./A (0.045 - 0.135 lb. ai/A)	Higher water volumes provide improved insect control. Begin applications when first pest activity is noticed or when insects reach threshold levels per State and County Extension Service recommendations. Repeat as needed to maintain control, but not more often than every 14 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use the higher specified rates. For Mealybug control, apply between budbreak and pea-berry size. The rate applied affects the length of control. Use the high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** can be mixed and/or alternated with commonly used insecticides such as fenpropathrin or pyriproxyfen, for better knockdown and/or improved control of pests.
Glassy-Winged Sharpshooter Grape Phylloxera (suppression only) Leafhoppers Mealy bug Thrips Vine Mealybug	**SOIL:** 9.00 - 13.25 fl. oz./A (0.23 - 0.338 lb. ai/A)	

NOTE: Regardless of application method, **DO NOT** apply more than a total of 21.25 fl. oz. of **Sesquin 35 SL** (0.540 lb. ai) per acre per calendar year.

Foliar Application:

- Apply with air or ground equipment in adequate water for uniform coverage (5 to 10 gals./A by air or 50 to 300 gals./A by ground).
- **DO NOT** apply **Sesquin 35 SL** within one (1) day of harvest.
- **DO NOT** apply more than a total of 10.5 fl. oz. of **Sesquin 35 SL** (0.270 lb. ai) per acre per calendar year.

Soil Application:

- Make only one (1) soil application per year.
- Apply with ground equipment in adequate water for uniform coverage (10 to 100 gals./A).
- **DO NOT** apply **Sesquin 35 SL** within twenty-eight (28) days of harvest.
- **DO NOT** apply more than a total of 13.25 fl. oz. of **Sesquin 35 SL** (0.338 lb. ai) per acre per calendar year.
- For drip application, prior to injection, mix specified dosage in sufficient carrier volume (minimum of 2 gals. of water per 1 lb. of product) to ensure uniform application and incorporation into the soil using drip or trickle irrigation water.
- Apply towards the end of the irrigation run to ensure the product does not leach past the root zone.

BERRY AND SMALL FRUIT (SUBGROUP 13-07H)
LOW GROWING BERRY SUBGROUP, EXCEPT STRAWBERRY

CROP		
Bearberry	Cloudberry	Muntries
Bilberry	Cranberry	Partridgeberry
Blueberry Lowbush	Lingonberry	Cultivars, varieties and/or hybrids of these

PEST	RATE	COMMENTS
Blackheaded Fireworm (Suppression only) Cranberry Fruitworm (Suppression only) Cranberry Weevil (Suppression only) Flea Beetles Leafhoppers Spanworm (Suppression only) Sparganothis Fruitworm (Suppression only) Stinkbugs Tipworm (Suppression only)	**FOLIAR:** 3.5 – 7.0 fl. oz./A (0.090 - 0.180 lb. ai/A)	Higher water volumes provide improved insect control. Begin applications when first pest activity is noticed or when insects reach threshold levels per State and County Extension Service recommendations. Repeat as needed to maintain control, but not more often than every 14 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use the higher specified rates. The rate applied affects the length of control. Use the high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** can be mixed and/or alternated with commonly used insecticides such as pyriproxyfen, to improve length of control and/or achieve better knockdown of pests.

NOTE:

Foliar Application:

- Apply with air or ground equipment in adequate water for uniform coverage (Use a minimum of 5 gals./A for air or 30 gals./A for ground applications).
- **DO NOT** apply **Sesquin 35 SL** within seven (7) days of harvest.
- **DO NOT** apply more than a total of 14 fl. oz. of **Sesquin 35 SL** (0.360 lb. ai) per acre per calendar year.

CUCURBITS

CROP			
Acorn Squash	Chinese Okra	Honey Balls	Scallop Squash
Balsam Apple	Chinese Waxgourd	Honeydew Melon	Snake Mellon
Balsam Pear	(Chinese Preserving Melon)	Hubbard Squash	Spaghetti Squash
Bitter Melon	Citron Melon	Mango Melon	Straightneck Squash
Butternut Squash	Crenshaw Melon	*Momordica* spp.	Summer Squash
Calabaza	Crookneck Squash	Muskmelon	True Cantaloupe
Cantaloupe	Cucumber	Persian Melon	Vegetable Marrow
Casaba	Edible Gourd	Pineapple Melon	Watermelon
Chayote	Gherkin	Pumpkin	Winter Squash
Chinese Cucumber	Golden Pershaw Melon	Santa Claus Melon	Zucchini

PEST	RATE	COMMENTS
Brown Stink Bug Cucumber Beetle spp. Flea Beetle spp. Grasshopper spp. Green Stink Bug Harlequin Bug Leafhopper spp. Leafminer spp. Southern Green Stink Bug Spotted Cucumber Beetle Squash Bug Striped Cucumber Beetle Thrips spp. Whitefly spp. (Including Bandwinged Whitefly, Silverleaf Whitefly, and Sweet-potato Whitefly)	**FOLIAR:** 2.0 – 7.0 fl. oz./A (0.05 - 0.18 lbs. ai/A) OR **SOIL:** 9.0 – 13.0 fl. oz./A (0.23 - 0.33 lbs. ai/A)	Higher water volumes provide improved insect control. Begin application when pest activity is first noticed or when insects reach threshold levels per State and County Extension Service recommendations. Repeat as needed to maintain control, but not more often than every 7 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use higher specified rates. The rate applied affects the length of control. Use high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** may be mixed and/or alternated with commonly used insecticides to comply with local IPM and resistance management programs.

(continued)

CUCURBITS *(continued)*

RESTRICTION:

- **DO NOT** combine foliar applications with soil application, or vice versa. Only use one application method.
- **DO NOT** apply to vegetables grown for seed.

Foliar Application:

- Apply with air or ground equipment in adequate water for uniform coverage (**DO NOT** use less than 3 gals./acre for aerial application or 20 gals./acre for ground applications).
- **DO NOT** apply **Sesquin 35 SL** within one (1) day of harvest.
- **DO NOT** apply more than a total of 10.5 fl. oz. of **Sesquin 35 SL** (0.266 lb. ai) per acre per calendar year.

Soil Application:

- See **Conversion Chart for Linear Applications** for linear application rates.
- Apply with ground equipment in adequate water for uniform coverage (10 to 100 gals./A).
- **DO NOT** apply **Sesquin 35 SL** within twenty-one (21) days of harvest.
- **DO NOT** apply more than a total of 21 fl. oz. of **Sesquin 35 SL** (0.532 lb. ai) per acre per calendar year.

Apply specified dosage in sufficient carrier volume to ensure uniform application and incorporate into the soil using one of the following methods:

1. In a narrow band centered on the plant row in the bedding operation just prior to planting. For best results band width must be 2" or less and placed 1" to 2" below the seed depth.
2. In-furrow spray at or below seed level or a narrow surface band above the seedline during planting. For surface banded applications incorporate to a depth of 1 ½" with sufficient irrigation within 24 hours to insure satisfactory insect control.
3. As a post-seeding drench, transplant drench or hill drench. Make applications with sufficient water to insure incorporation into the root zone.
4. As a sidedress after plants are established. Make applications within 2" to 4" to the side of each row and incorporated 1 or more inches deep. Applications must be made to each row if there are two rows per bed.
5. In drip or trickle irrigation water.

FRUITING VEGETABLES

CROP			
Bell Pepper	Eggplant	Pimento	Tomato
Chili Pepper	Ground Cherry	Sweet Pepper	
Cooking Pepper	Pepino	Tomatillo	

PEST	**RATE**	**COMMENTS**
Brown Stink Bug Colorado Potato Beetle Consperse Stink Bug Cucumber Beetle spp. Flea Beetle spp. Grasshopper spp. Green Stink Bug Harlequin Bug Leafhopper spp. Leafminer spp. Pepper Weevil Psyllid spp. (including Potato Psyllid) Southern Green Stink Bug Squash Bug Thrips spp. (including Eastern Flower Thrips, Onion Thrips, Tobacco Thrips, and Western Flower Thrips) Whitefly spp. (including Band-winged Whitefly, Silverleaf White-fly, and Sweetpotato Whitefly)	**FOLIAR:** 2.0 – 7.0 fl. oz./A (0.05 - 0.18 lbs. ai/A) OR **SOIL:** 9.0 – 13.0 fl. oz./A (0.23 - 0.33 lbs. ai/A)	Higher water volumes provide improved insect control. Begin application when pest activity is first noticed or when insects reach threshold levels per State and County Extension Service recommendations. Repeat as needed to maintain control, but not more often than every 7 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use higher specified rates. The rate applied affects the length of control. Use high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** may be mixed and/or alternated with commonly used insecticides to comply with local IPM and resistance management programs.

(continued)

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RESTRICTION:

- **DO NOT** combine foliar applications with soil application, or vice versa. Only use one application method.
- **DO NOT** apply to vegetables grown for seed.

Foliar Application:

- Apply with air or ground equipment in adequate water for uniform coverage (**DO NOT** use less than 3 gals./acre for aerial application or 20 gals./acre for ground applications).
- **DO NOT** apply **Sesquin 35 SL** within one (1) day of harvest.
- **DO NOT** apply more than a total of 10.5 fl. oz. of **Sesquin 35 SL** (0.27 lb. ai) per acre per calendar year.

Soil Application:

- See **Conversion Chart for Linear Application** for linear application rates.
- Apply with ground equipment in adequate water for uniform coverage (10 to 100 gals/A).
- **DO NOT** apply **Sesquin 35 SL** within twenty-one (21) days of harvest.
- **DO NOT** apply more than a total of 21 fl. oz. of **Sesquin 35 SL** (0.532 lb. ai/A) per acre per calendar year.

Apply specified dosage in sufficient carrier volume to ensure uniform application and incorporate into the soil using one of the following methods:

1. In a narrow band centered on the plant row in the bedding operation just prior to planting. For best results band width must be 2" or less and placed 1" to 2" below the seed depth.
2. In-furrow spray at or below seed level or a narrow surface band above the seedline during planting. For surface banded applications incorporate to a depth of 1 ½" with sufficient irrigation within 24 hours to insure satisfactory insect control.
3. As a post-seeding drench, transplant drench or hill drench. Make applications with sufficient water to insure incorporation into the root zone.
4. As a sidedress after plants are established. Applications must be placed within 2" to 4" to the side of each row and incorporated 1 or more inches deep. Applications must be made to each row if there are two rows per bed.
5. In drip or trickle irrigation water.

GRAPES

CROP		
Grapes		
PEST	**RATE**	**COMMENTS**
Flea Beetle spp. Glassy-Winged Sharpshooter Grape Berry Moth Japanese Beetle Leafhopper spp. Mealybug spp. (including Citrus Mealybug, Grape Mealybug, Longtailed Mealybug, Obscure Mealybug, and Vine Mealybug) Multicolored Asian Ladybeetle Thrips spp. Whitefly spp. (including Band-winged Whitefly, Silverleaf Whitefly, and Sweetpotato Whitefly)	**FOLIAR:** 2.0 – 5.0 fl. oz./A (0.05 - 0.13 lbs. ai/A)	Higher water volumes provide improved insect control. Begin application when pest activity is first noticed or when insects reach threshold levels per State and County Extension Service recommendations. Repeat as needed to maintain control, but not more often than every 7 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use higher specified rates. The rate applied affects the length of control. Use high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** may be mixed and/or alternated with commonly used insecticides to comply with local IPM and resistance management programs.
Flea Beetle spp. Glassy-Winged Sharpshooter Leafhopper spp. Mealybug spp. (including Citrus Mealybug, Grape Mealybug, Longtailed Mealybug, Obscure Mealybug, and Vine Mealybug) Phylloxera spp. Thrips spp. Whitefly spp. (including Band-winged Whitefly, Silverleaf Whitefly, and Sweetpotato Whitefly)	**SOIL:** 9.0 - 10.5 fl. oz./A (0.23 - 0.27 lbs. ai/A)	

(continued)

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GRAPES *(continued)*

RESTRICTION:

• Regardless of application method, **DO NOT** apply more than a total of 20.9 fl. oz. of **Sesquin 35 SL** (0.529 lb. ai) per acre per calendar year.

Foliar Application:

• Apply with air or ground equipment in adequate water for uniform coverage (**DO NOT** use less than 5 gals./acre for aerial applications or 10 gals./acre for ground applications).
• **DO NOT** apply **Sesquin 35 SL** within one (1) day of harvest.
• **DO NOT** apply more than a total of 10.25 fl. oz. of **Sesquin 35 SL** (0.259 lb. ai) per acre per calendar year.

Soil Application:

• Make only one (1) soil application per year.
• Apply with ground equipment in adequate water for uniform coverage (10 to 100 gals./A).
• **DO NOT** apply **Sesquin 35 SL** within twenty-eight (28) days of harvest.
• **DO NOT** apply more than a total of 10.5 fl. oz. of **Sesquin 35 SL** (0.266 lb. ai) per acre per calendar year.
• For drip application, prior to injection, mix specified dosage in sufficient carrier volume (minimum of 2 gals of water per 1 lb. of product) to ensure uniform application and incorporation into the soil using drip or trickle irrigation water. Apply towards the end of the irrigation run to ensure the product does not leach past the root zone.

HEAD AND STEM BRASSICA

CROP		
Broccoli	Cauliflower	Chinese Mustard
Brussels Sprouts	Cavalo Broccolo	Cabbage
Cabbage	Chinese Cabbage	Kohlrabi

PEST	**RATE**	**COMMENTS**
Brown Stink Bug Cucumber Beetle spp. Flea Beetle spp. Grasshopper spp. Green Stink Bug Harlequin Bug Leafminer spp. Southern Green Stink Bug Squash Bug Thrips spp. (including Onion Thrips) Whitefly spp. (including Bandwinged Whitefly, Silverleaf Whitefly, and Sweetpotato Whitefly)	**FOLIAR:** 2.0 – 7.0 fl. oz./A (0.05 - 0.18 lbs. ai/A) OR **SOIL:** 9 - 13 fl. oz./A (0.23 - 0.33 lbs. ai/A)	Higher water volumes provide improved insect control. Begin application when pest activity is first noticed or when insects reach threshold levels per State and County Extension Service recommendations. Repeat as needed to maintain control, but not more often than every 7 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use higher specified rates. The rate applied affects the length of control. Use high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** may be mixed and/or alternated with commonly used insecticides to comply with local IPM and resistance management programs.

RESTRICTIONS:

• **DO NOT** combine foliar applications with soil application, or vice versa. Only use one application method.
• **DO NOT** apply to vegetables grown for seed.

Foliar Application:

• Apply with air or ground equipment in adequate water for uniform coverage (**DO NOT** use less than 3 gals./acre for aerial application or 20 gals./acre for ground applications).
• **DO NOT** apply **Sesquin 35 SL** within one (1) day of harvest.
• **DO NOT** apply more than a total of 10.5 fl. oz. of **Sesquin 35 SL** (0.266 lb. ai) per acre per calendar year.

Soil Application:

• See **Conversion Chart for Linear Applications** for linear application rates.
• Apply with ground equipment in adequate water for uniform coverage (10 to 100 gals./A).
• **DO NOT** apply **Sesquin 35 SL** within twenty-one (21) days of harvest.
• **DO NOT** apply more than a total of 21 fl. oz. of **Sesquin 35 SL** (0.532 lb. ai) per acre per calendar year.

Apply specified dosage in sufficient carrier volume to ensure uniform application and incorporate into the soil using one of the following methods:

1. In a narrow band centered on the plant row in the bedding operation just prior to planting. For best results band width must be 2" or less and placed 1" to 2" below the seed depth.
2. In-furrow spray at or below seed level or a narrow surface band above the seedline during planting. For surface banded applications incorporate to a depth of 1 ½" with sufficient irrigation within 24 hours to insure satisfactory insect control.
3. As a post-seeding drench, transplant drench or hill drench. Make applications with sufficient water to insure incorporation into the root zone.
4. As a sidedress after plants are established. Applications must be placed within 2" to 4" to the side of each row and incorporated 1 or more inches deep. Applications must be made to each row if there are two rows per bed.
5. In drip or trickle irrigation water.

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LEAFY VEGETABLES (EXCEPT BRASSICA VEGETABLES)

CROP		
Amaranth (Chinese Spinach)	Corn Salad	Parsley
Arugula (Roquette)	Cress Garden, Upland	Purslane Garden, Winter
Cardoon	Dandelion	Radicchio (Red Chicory)
Celery	Dock (Sorrel)	Rhubarb
Celtuce	Endive (Escarole)	Spinach
Chervil	Florence Fennel	Spinach, New Zealand
Chinese Celery	Lettuce Head, Leaf	Spinach, Vine
Chrysanthemum Edible-leaved, Garland	Orach	Swiss Chard

PEST	RATE	COMMENTS
Brown Stink Bug Cucumber Beetle Flea Beetle spp. Grasshopper spp. Green Stink Bug Harlequin Bug Leafhopper spp. Leafminer Leafminer spp. Southern Green Stink Bug Squash Bug Thrips spp. (including Western Flower Thrips) Whitefly spp. (including Bandwinged Whitefly, Silverleaf Whitefly, and Sweetpotato Whitefly)	**FOLIAR:** 2.0 - 5.25 fl. oz./A (0.05 - 0.13 lbs. ai/A) OR **SOIL:** 9.0 – 13.0 fl. oz./A (0.23 - 0.33 lbs. ai/A)	Higher water volumes provide improved insect control. Begin application when pest activity is first noticed or when insects reach threshold levels per State and County Extension Service recommendations. Repeat as needed to maintain control, but not more often than every 7 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use higher specified rates. The rate applied affects the length of control. Use high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** may be mixed and/or alternated with commonly used insecticides to comply with local IPM and resistance management programs.

RESTRICTIONS:

- **DO NOT** combine foliar applications with soil application, or vice versa. Only use one application method**.**
- **DO NOT** apply to vegetables grown for seed.

Foliar Application:

- Apply with air or ground equipment in adequate water for uniform coverage (**DO NOT** use less than 3 gals./acre for aerial applications or 20 gals./acre for ground applications).
- **DO NOT** apply **Sesquin 35 SL** within seven (7) days of harvest.
- **DO NOT** apply more than a total of 10.5 fl. oz. of **Sesquin 35 SL** (0.266 lb. ai) per acre per calendar year.

Soil Application:

- See **Conversion Chart for Linear Application** for linear application rates.
- Apply with ground equipment in adequate water for uniform coverage (10 to 100 gals/A).
- **DO NOT** apply **Sesquin 35 SL** within twenty-one (21) days of harvest.
- **DO NOT** apply more than a total of 21 fl. oz. of **Sesquin 35 SL** (0.532 lb. ai) per acre per calendar year.

Apply specified dosage in sufficient carrier volume to ensure uniform application and incorporate into the soil using one of the following methods:

1. In a narrow band centered on the plant row in the bedding operation just prior to planting. For best results band width must be 2" or less and placed 1" to 2" below the seed depth.
2. In-furrow spray at or below seed level or a narrow surface band above the seedline during planting. For surface banded applications incorporate to a depth of 1 ½" with sufficient irrigation within 24 hours to insure satisfactory insect control.
3. As a post-seeding drench, transplant drench or hill drench. Make applications with sufficient water to insure incorporation into the root zone.
4. As a sidedress after plants are established. Applications must be placed within 2" to 4" to the side of each row and incorporated 1 or more inches deep. Applications must be made to each row if there are two rows per bed.
5. In drip or trickle irrigation water.

ONION, BULB AND GREEN (SUBGROUPS 3-07A AND 3-07B)

CROP			
Bulb onion, includes:	Onion, Chinese, bulb	Elegans hosta	Onion, green
Daylily, bulb	Onion, pearl	Fritillaria leaves	Onion, macrostem
Fritillaria, bulb	Onion, potato, bulb	Kurrat	Onion, tree, tops
Garlic, bulb	Shallot, bulb	Leady's leek	Onion, Welsh, tops Shallot, fresh leaves
Garlic Greatheaded bulb,	Cultivars, varieties and/ or hybrids of these	Leek	Cultivars, varieties and/ or hybrids of these
Garlic serpent bulb	**Green onion, includes:**	Leek, wild	
Lily, bulb	Chive, fresh leaves	Onion, Beltsville bunching	
Onion, bulb	Chive, Chinese, fresh leaves	Onion, fresh	

PEST	RATE	COMMENTS
Flea Beetles Grasshoppers Leafhoppers	**FOLIAR:** 3.5 – 7.0 fl. oz./A (0.090 - 0.180 lb. ai/A)	Higher water volumes provide improved insect control. Begin applications when first pest activity is noticed or when insects reach threshold levels per State and County Extension Service recommendations. Repeat as needed to maintain control, but not more often than every 7 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use the higher specified rates. The rate applied affects the length of control. Use the high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** can be mixed and/or alternated with commonly used insecticides, such as pyriproxyfen, to improve the length of control and/or achieve better knockdown of pests.
Stink bugs Leafminers Thrips Whiteflies	**FOLIAR:** 5.25 – 7.0 fl. oz./A (0.135 - 0.180 lb. ai/A)	
Leafminers Thrips Whiteflies	**SOIL:** 8.75 - 10.5 fl. oz./A (0.225 - 0.270 lb. ai/A)	

NOTE: Regardless of application method of **Sesquin 35 SL DO NOT** exceed 15 fl. oz. (0.383 lb. ai) per acre per calendar year.

RESTRICTION:

- **DO NOT** apply to vegetables grown for seed.

Foliar Application:

- Apply with air or ground equipment in adequate water for uniform coverage (A minimum of 5 gals./A by air or 20 gals./A by ground).
- **DO NOT** apply **Sesquin 35 SL** within one (1) day of harvest.
- **DO NOT** apply more than a total of 10.5 fl. oz. of **Sesquin 35 SL** (0.270 lb. ai) per acre per calendar year.

Soil Application:

- See **Conversion Chart for Linear Application** for linear plant application rates.
- Apply with ground equipment in adequate water for uniform coverage (A minimum of 10 gals/A).
- Apply **Sesquin 35 SL** at planting or immediately after transplanting.
- **DO NOT** apply more than a total of 10.5 fl. oz. of **Sesquin 35 SL** (0.270 lb. ai) per acre per calendar year.

Apply specified dosage in sufficient carrier volume to ensure uniform application and incorporate into the soil using one of the following methods:

1. In a narrow band centered on the plant row in the bedding operation just prior to planting. For best results band width should be 2" or less and placed 1" to 2" below the seed depth.
2. In-furrow spray at or below seed level or a narrow surface band above the seedline during planting. For surface-banded applications incorporate to a depth of 1 ½" with sufficient irrigation within 24 hours to insure satisfactory insect control.
3. As a post-seeding drench, transplant drench or hill drench. Applications should be made with sufficient water to ensure incorporation into the root zone.
4. As a sidedress immediately after transplanting operations are finished. Applications should be placed within 2" to 4" to the side of each row and incorporated 1 or more inches deep. Applications should be made to each row if there are two rows per bed.
5. In drip or trickle irrigation water immediately after transplanting.

TUBEROUS AND CORM VEGETABLES (SUBGROUP 1C)

CROP			
Arracacha	Cassava, bitter and sweet	Leren	Yam bean
Arrowroot	Chayote (root)	Potato	Yam, true
Artichoke, Chinese	Chufa	Sweet Potato	
Artichoke, Jerusalem	Dasheen (taro)	Tanier	
Canna, edible	Ginger	Turmeric	

PEST	RATE	COMMENTS
Colorado Potato Beetle Flea Beetle Green Peach Aphid (Suppression only) Potato Aphid (Suppression only) Potato Leafhopper Psyllid	**FOLIAR:** 2 - 2.75 fl. oz./A (0.045 - 0.068 lb. ai/A)	Higher water volumes provide improved insect control. Begin applications when first pest activity is noticed or when insects reach threshold levels per State and County Extension Service Recommendations Repeat as needed to maintain control, but not more often than every 14 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use the higher specified rates. The rate applied affects the length of control. Use the high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** can be mixed and/or alternated with other insecticides registered for this use for better knockdown and/or improved control of pests. **Aphids**: **Sesquin 35 SL** provides only suppression of established or heavy aphid populations. Control may require use of tank mixes with other labeled insecticides.
Colorado Potato Beetle Flea Beetle Green Peach Aphid (Suppression only) Potato Aphid (Suppression only) Leafhoppers Psyllid spp. (Suppression only)	**SOIL:** 11.5 – 13.25 fl. oz./A (0.293 – 0.338 lb. ai/A)	

NOTE: DO NOT combine foliar applications with soil applications, or vice versa. Only use one application method.

Foliar Application:

- Apply with air or ground equipment in adequate water for uniform coverage (3 to 10 gals./A by air or 10 to 50 gals./A by ground).
- **DO NOT** apply **Sesquin 35 SL** within seven (7) days of harvest.
- **DO NOT** apply more than a total of 8 fl. oz. of **Sesquin 35 SL** (0.203 lb. ai) per acre per calendar year.

Soil Application:

- See **Conversion Chart for Linear Application** for linear plant application rates.
- Apply with ground equipment in adequate water for uniform coverage (10 to 100 gals./A).
- Apply once at preplant, preemergence or at ground crack as directed below.
- **DO NOT** apply more than a total of 13.25 fl. oz. of **Sesquin 35 SL** (0.338 lb. ai) per acre per calendar year.

Apply specified dosage in sufficient carrier volume to ensure uniform application and incorporate into the soil using one of the following methods:

1. In a narrow band centered on the plant row in the bedding operation just prior to planting.
2. In-furrow spray at planting. Direct spray in the furrow on the seed pieces or potatoes.
3. As a sidedress to both sides of the row or as a spray at ground crack directly over the row during hilling. Cover immediately with soil

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WATERCRESS

CROP		
Watercress		
PEST	**RATE**	**COMMENTS**
Cucumber beetle Sharpshooters Leafhoppers Flea beetles	**FOLIAR:** 3.5 - 7 fl. oz./A (0.090 - 0.180 lb. ai/A)	Higher water volumes provide improved insect control. Begin applications when first pest activity is noticed or when insects reach threshold levels per State and County Extension Service recommendations. Repeat as needed to maintain control, but not more often than every 7 days. For best results, time application before a damaging population becomes established. Under severe pest pressure, use the higher specified rates. The rate applied affects the length of control. Use the high rate where infestations occur later in crop development, or where pest pressure is continuous. **Sesquin 35 SL** can be mixed and/or alternated with commonly used insecticides, such as fenpropathrin or pyriproxyfen, for better knockdown and/or improved control of pests.
Aphids (Suppression only) Stinkbugs Whiteflies Thrips	**FOLIAR:** 5.25 - 7 fl. oz./A (0.135 - 0.180 lb. ai/A)	

Foliar Application:

- Apply with air or ground equipment in adequate water for uniform coverage (5 to 10 gals./A by air or 50 to 300 gals./A by ground).
- **DO NOT** apply **Sesquin 35 SL** within one (1) day of harvest.
- Interval between application cannot be less than 7 days
- **DO NOT** apply more than a total of 14 fl. oz. of **Sesquin 35 SL** (0.360 lb. ai) per acre per calendar year.

CONVERSION CHART FOR LINEAR APPLICATION

Rate of Product (fl. oz./A)	20	24	28	30	32	34	36	40
	Fluid Ounces Product/1,000 Row Ft.							
9.0	0.34	0.41	0.48	0.52	0.55	0.59	0.62	0.69
9.5	0.36	0.44	0.51	0.55	0.58	0.62	0.65	0.73
10.0	0.38	0.46	0.54	0.57	0.61	0.65	0.69	0.77
10.5	0.40	0.48	0.56	0.60	0.64	0.68	0.72	0.80
11.0	0.42	0.51	0.59	0.63	0.67	0.72	0.76	0.84
11.5	0.44	0.53	0.62	0.66	0.70	0.75	0.79	0.88
12.0	0.46	0.55	0.64	0.69	0.73	0.78	0.83	0.92
12.5	0.48	0.57	0.67	0.72	0.77	0.81	0.86	0.96
13.0	0.50	0.60	0.70	0.75	0.80	0.85	0.90	0.99

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

For plastic containers ≤ 5 gallons: Nonrefillable Container: DO NOT reuse or refill this container. Triple rinse container (or equivalent) 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 ¼ 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

For plastic containers > 5 gallons: Nonrefillable container: DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

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LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following 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. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. 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, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

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