

Perseus™ SC

A selective residual herbicide for use in agricultural crops

Active Ingredient:

pyroxasulfone: 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-

1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole41.46%

Other Ingredients:58.54%

Total:100.00%

Contains 4.17 pounds of pyroxasulfone per gallon formulated as a water-based suspension concentrate

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

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.)

FIRST AID

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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.
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 IN EYES	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF INHALED	Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

Shake container well before use.



**VIRITERRA
INC.**
SOLUTIONS VIA
INNOVATION

EPA Reg. No. 104582-2

EPA Est. No. 70815-GA-2

Manufactured By:

Viriterra Inc.

9121 Anson Way, Suite 200

Raleigh, NC, 27615

Net Contents:

2.5 gallons

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Harmful if absorbed through skin. 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
- Chemical-resistant gloves including Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils, Polyvinyl Chloride (PVC) ≥ 14 mils, and Viton ≥ 14 mils.
- Shoes plus socks

For aerial application, mixers and loaders must also wear a minimum of a NIOSH approved filtering face piece respirator with any N filter (TC-84A). You can also use another NIOSH approved particulate respirators that offer more protection, including a half face or full face respirator with any filter or a powered air purifying respirator with an HE filter. For more information about these options, see www.epa.gov/pesticide-respirators.

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. Remove and wash contaminated clothing before reuse. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

Engineering Controls

When handlers use closed systems or enclosed cabs that meet the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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** contaminate water when disposing of equipment washwater or rinsate.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Groundwater Advisory

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. This product may impact surface water quality due to runoff or rainwater. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce potential loading of pyrazosulfone and its degradation product, [5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methanesulfonic acid (M1), from runoff water and sediment. Runoff of this product will be reduced by avoiding application when rainfall is forecast to occur within 48 hours.

Point-source Contamination. To prevent point-source contamination, **DO NOT** mix or load this or any other pesticide within 50 feet of wells (including abandoned wells and drainage wells, sinkholes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs). This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or dike mixing/loading areas as described below. Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% of that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment washwater, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent back-siphoning into wells, spills, or improper disposal of excess pesticide, spray mixes, or rinsates. Check valves or anti-siphoning devices must be used on all mixing equipment.

Endangered Species Protection Requirements

This product may have effects on federally listed threatened or endangered plant species or their critical habitat. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the county or parish in which you are applying the pesticide. To determine whether your county or parish has a Bulletin, and to obtain that Bulletin, consult <http://www.epa.gov/espp/>, or call 1-844-447-3813 no more than 6 months before using this product. Applicators must use Bulletins that are in effect in the month in which the pesticide will be applied. New Bulletins will be available from the above sources 6 months before their effective dates.

DIRECTIONS FOR USE

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

Read the 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 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.

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

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, 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, including plants, soil or water, is:

- Coveralls
- Chemical-resistant gloves including Barrier Laminate, Butyl Rubber $\geq$ 14 mils, Nitrile Rubber $\geq$ 14 mils, Neoprene Rubber $\geq$ 14 mils, Polyvinyl Chloride (PVC) $\geq$ 14 mils, and Viton $\geq$ 14 mils.
- Shoes plus socks

PRODUCT INFORMATION

Perseus SC is a selective rate-dependent residual preemergence herbicide for controlling annual grass weeds, sedges, and annual broadleaf weeds (including biotypes resistant to ACCase inhibitors, ALS inhibitors, and glyphosate) that infest broad bean, celery, chickpea, corn, cotton, dry bulb onions, fallow, leek, mint tops, peanut, perennial cool-season grasses grown for seed production, potato, safflower, soybean, and sunflower listed in **Table 1** and wheat listed in **Table 2**. Refer to **Crop-specific Information** section for use directions specific to each labeled crop.

Periods of dry weather following application of **Perseus SC** may reduce herbicidal effectiveness. **Perseus SC** must be activated by at least 1/2 inch of rainfall or irrigation before weed germination and emergence. When **Perseus SC** is not activated and weeds emerge, a labeled postemergence herbicide or shallow cultivation may be needed to control weed escapes. **Perseus SC** does not control emerged weeds.

Herbicidal activity of **Perseus SC** may be reduced if trash on the soil surface from the previous crop covers more than 25% of the application area. Manage trash levels if needed with combine straw shredder/spreaders, earlier burndown of emerged weeds, or light tillage.

Table 1. Weeds Controlled with a Residual Application of Perseus SC in All Crops other than Wheat

Common Name	Scientific Name	Common Name	Scientific Name
Annual Grass Weeds		Annual Broadleaf Weeds	
Barley, hare	<i>Hordeum murinum</i> spp. <i>leporinum</i>	Amaranth, Palmer	<i>Amaranthus palmeri</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>	Amaranth, Powell	<i>Amaranthus powellii</i>
Bluegrass, annual	<i>Poa annua</i>	Buckwheat, wild ¹	<i>Polygonum convolvulus</i>
Brome, downy ¹	<i>Bromus tectorum</i>	Carpetweed	<i>Mollugo verticillata</i>
Brome, Japanese ¹	<i>Bromus japonicus</i>	Chickweed, common ¹	<i>Stellaria media</i>
Canarygrass	<i>Phalaris canariensis</i>	Fleabane, hairy ¹	<i>Conyza bonariensis</i>
Cheat ¹	<i>Bromus secalinus</i>	Groundsel, common ¹	<i>Senecio vulgaris</i>
Crabgrass, large	<i>Digitaria sanguinalis</i>	Henbit ¹	<i>Lamium amplexicaule</i>
Crabgrass, smooth	<i>Digitaria ischaemum</i>	Horseweed (Marestail) ¹	<i>Conyza canadensis</i>
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	Jimsonweed ¹	<i>Datura stramonium</i>
Cupgrass, southwestern	<i>Eriochloa acuminata</i>	Kochia ¹	<i>Kochia scoparia</i>
Cupgrass, woolly ¹	<i>Eriochloa villosa</i>	Lambsquarters, common ¹	<i>Chenopodium album</i>
Foxtail, giant	<i>Setaria faberi</i>	Morningglory, entireleaf ¹	<i>Ipomoea hederacea</i>
Foxtail, green	<i>Setaria viridis</i>	Morningglory, pitted ¹	<i>Ipomoea lacunosa</i>
Foxtail, yellow	<i>Setaria pumila</i>	Nightshade, black	<i>Solanum nigrum</i>
Goosegrass	<i>Eleusine indica</i>	Nightshade, Eastern black	<i>Solanum ptycanthum</i>
Johnsongrass, seedling	<i>Sorghum halepense</i>	Pigweed	<i>Amaranthus</i> spp.

(continued)

Table 1. Weeds Controlled with a Residual Application of Perseus SC in All Crops other than Wheat (continued)

Common Name	Scientific Name	Common Name	Scientific Name
Annual Grass Weeds		Annual Broadleaf Weeds	
Millet, Texas ¹	<i>Urochloa texana</i>	Pigweed, redroot	<i>Amaranthus retroflexus</i>
Millet, wild-proso ¹	<i>Panicum miliaceum</i>	Pigweed, smooth	<i>Amaranthus hybridus</i>
Oat, wild ¹	<i>Avena fatua</i>	Pigweed, tumble	<i>Amaranthus albus</i>
Panicum, fall	<i>Panicum dichotomiflorum</i>	Purslane, common	<i>Portulaca oleracea</i>
Red rice	<i>Oryza sativa</i>	Pusley, Florida	<i>Richardia scabra</i>
Ryegrass, Italian	<i>Lolium perenne</i> spp. <i>multiflorum</i>	Ragweed, common ¹	<i>Ambrosia artemisiifolia</i>
Ryegrass, rigid	<i>Lolium rigidum</i>	Shepherd's-purse ¹	<i>Capsella bursa-pastoris</i>
Sandbur, longspine ¹	<i>Cenchrus longispinus</i>	Sida, prickly (Teaweed)	<i>Sida spinosa</i>
Shattercane ¹	<i>Sorghum bicolor</i> spp. <i>arundinaceum</i>	Velvetleaf ¹	<i>Abutilon theophrasti</i>
Signalgrass, broadleaf	<i>Urochloa platyphylla</i>	Waterhemp	<i>Amaranthus tuberculatus</i>
Sedge			
Nutsedge, yellow ¹	<i>Cyperus esculentus</i>		

¹ Partial control or suppression only. **Perseus SC** may be used in tank mixes or sequential applications with other labeled herbicides that provide additional control of noted weeds.

Table 2. Weeds Controlled¹ or Suppressed² with a Residual Application of Perseus SC in Wheat

Common Name	Scientific Name	C = Control (only at the maximum application rate per soil texture) S = Suppression See Crop-specific Information section for specific rates.
Annual Grass Weeds		
Barley, hare	<i>Hordeum murinum</i> spp. <i>leporinum</i>	S
Barleygrass	<i>Echinochloa crus-galli</i>	S
Bluegrass, annual	<i>Poa annua</i>	C
Brome, downy	<i>Bromus tectorum</i>	S
Brome, Japanese	<i>Bromus japonicus</i>	S
Canarygrass	<i>Phalaris canariensis</i>	C
Cheat	<i>Bromus secalinus</i>	S
Foxtail, giant	<i>Setaria faberi</i>	S
Foxtail, green	<i>Setaria viridis</i>	S
Foxtail, yellow	<i>Setaria pumila</i>	S
Oats, wild	<i>Avena fatua</i>	S
Rattail fescue	<i>Vulpia myuros</i>	C
Ryegrass, Italian	<i>Lolium perenne</i> spp. <i>multiflorum</i>	C
Ryegrass, rigid	<i>Lolium rigidum</i>	S
Annual Broadleaf Weeds		
Buckwheat, wild	<i>Polygonum convolvulus</i>	S
Carpetweed	<i>Mollugo verticillata</i>	S
Chickweed, common	<i>Stellaria media</i>	S
Flixweed	<i>Descurainia sophia</i>	S
Groundsel, common	<i>Senecio vulgaris</i>	S

Table 2. Weeds Controlled¹ or Suppressed² with a Residual Application of Perseus SC in Wheat (continued)

Common Name	Scientific Name	C = Control (only at the maximum application rate per soil texture) S = Suppression See Crop-specific Information section for specific rates.
Annual Broadleaf Weeds		
Henbit	<i>Lamium amplexicaule</i>	S
Horseweed (Marestail)	<i>Conyza canadensis</i>	S
Kochia	<i>Kochia scoparia</i>	S
Lambsquarters, common	<i>Chenopodium album</i>	S
Mustard, wild	<i>Sinapis arvensis</i> L.	S
Pigweed spp.	<i>Amaranthus</i> spp.	S
Ragweed, common	<i>Ambrosia artemisiifolia</i>	S
Shepherd's-purse	<i>Capsella bursa-pastoris</i>	S

¹ Weeds including annual bluegrass and Italian ryegrass have the ability to adapt to several different herbicide sites of action. Even though **Perseus SC** will control these species, some weed escapes are possible. Multiple herbicides with multiple different effective sites of action **MUST** be used in tank mixtures or sequentially to limit these weed escapes to prevent or delay the onset of herbicide-resistant weed biotypes.

² For control of these weeds, a tank mix partner or a sequentially applied herbicide partner is needed.

MODE OF ACTION

Perseus SC acts to inhibit very long-chain fatty acid synthesis as a **Group 15** herbicide. It is a root-and-shoot growth inhibitor that controls susceptible germinating seedlings before or soon after they emerge from the soil.

HERBICIDE RESISTANCE MANAGEMENT

Perseus SC is a **Group 15** herbicide. Any weed population may contain or develop plants naturally resistant to **Perseus SC** and other **Group 15** herbicides. Weed species with resistance to **Group 15** may eventually dominate the weed population if **Group 15** herbicides 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 **Perseus SC** or other **Group 15** herbicides.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

To delay herbicide resistance consider:

- Avoiding the consecutive use of **Perseus SC** or other target-site-of-action **Group 15** herbicides that have a similar target site of action on the same weed species.
- Using tank mixes or premixes with herbicides from different target-site-of-action groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM (Integrated Pest Management) program including cultural and mechanical methods.
- Monitoring treated weed populations for loss of field efficacy, and control of escapes with effective alternative herbicides or mechanical methods.
- Identify weeds present in the field through scouting and field history and understand their biology. The weed-control program needs to consider all of the weeds present.
- Scout fields prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective.
- Scout fields after application to verify the treatment was effective.
- If resistance is suspected, treat weed escapes with an herbicide with a different MOA and/or use non-chemical methods to remove escapes, as practical, with the goal of preventing further seed production.
- Report any incidence of non-performance of this product against a particular weed species to your local Viriterra Inc. representative.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for herbicide resistance management and/or integrated weed management directions for specific crops and resistant weed biotypes.

CROP RESPONSE

No crop injury is expected when **Perseus SC** is applied according to label directions and under normal environmental conditions. Application to crops under stress because of inadequate or excess of moisture for normal crop development, cool and hot temperatures, sodic soils, poorly drained soils, hail damage, flooding, pesticide injury, mechanical injury, or widely fluctuating temperatures may result in crop injury.

APPLICATION INSTRUCTIONS

Application rates of **Perseus SC** may vary depending on soil texture. Refer to **Table 3** for soil texture groups used in this label unless a specific soil texture is mentioned. When use rates are in ranges, apply the low rate for soils with coarse texture or low organic matter; apply the high rates for fine soil textures, high organic matter, heavy soil surface plant residue, or heavy weed pressure.

Table 3. Soil Texture Groups

Coarse	Medium	Fine
Sand Loamy sand Sandy loam	Loam Silt loam Silt Sandy clay loam	Sandy clay Silty clay loam Silty clay Clay loam Clay

Perseus SC may be used on **peat soils** and **muck soils**, and **mineral soils with 10% or more organic matter**, but weed control may be inconsistent and/or reduced. Use maximum labeled use rate allowed in the specific crop.

Use **Table 4** to determine the corresponding amounts of active ingredient (pyroxasulfone) from **Perseus SC** product use rates.

Table 4. Use Rate Equivalency

Amount of Perseus SC (fl ozs/A)	Amount of Pyroxasulfone (lb ai/A)
1.0	0.033
1.25	0.041
1.5	0.049
1.75	0.057
2.0	0.065
2.5	0.081
2.75	0.09
3.0	0.098
3.25	0.106
3.5	0.114
4.0	0.13
4.5	0.147
5.0	0.163
5.75	0.187
6.5	0.212
8.25	0.269

APPLICATION TIMING

Perseus SC may be applied preplant surface, preplant incorporated, preemergence, early postemergence, postemergence-directed (layby), or in the fall. Refer to the **Crop-specific Information** section for specific application instructions (timings, rates, restrictions and precautions) by crop.

Preplant Surface Application. Apply **Perseus SC** alone or in tank mix within 45 days of planting. If weeds are present at the time of application, use additional weed control methods, for example a tank mix with an appropriate postemergence herbicide(s), to control emerged weeds.

Preplant Incorporated (PPI) Application. Incorporate **Perseus SC** into the upper (1 to 2 inches) soil surface within 14 days of planting. Deeper incorporation may increase the potential for crop injury and also may result in reduced weed control. Use appropriate equipment for uniform shallow incorporation, including a field cultivator, harrow, rolling cultivator, or finishing disc.

Preemergence Surface Application. After planting and before crop emergence, apply a uniform broadcast treatment to the soil surface. Apply **Perseus SC** only to a uniform seedbed which is firm and free of clods, cracks, excess trash (previous crop residue), and weed growth. If weeds are present, apply **Perseus SC** in a tank mix with an appropriate postemergence herbicide, for example a glyphosate-containing product.

Early Postemergence Application

Perseus SC must be applied and activated before weed seedling emergence or in a tank mixture that controls emerged weeds. **Perseus SC** will not control emerged weeds. Weeds that are already emerged at the time of application must be controlled with cultivation, tank mix or sequential application of another herbicide labeled for postemergence control of the target weeds in the crop.

Postemergence-directed (Layby) Application

Perseus SC must be applied as a directed spray between crop rows and activated before weed seedling emergence or in a tank mix that controls emerged weeds. **Perseus SC** will not control emerged weeds. Weeds that are already emerged at the time of application must be controlled with cultivation, tank mix or sequential application of another herbicide labeled for postemergence control of the target weeds in the crop.

Fall/Winter Application for controlling weeds germinating in the fall, or winter weeds

Perseus SC may be broadcast surface applied in the fall or winter after crop harvest. **DO NOT** apply to frozen or snow-covered soil. Tillage operations may be conducted before or after applying **Perseus SC**. If tillage is used following an application, tillage must be shallow (no more than 2-inches deep) to uniformly incorporate the herbicide into the upper soil surface.

APPLICATION METHODS AND EQUIPMENT

Perseus SC may be applied by aerial or ground application or by chemigation application via sprinkler or drip irrigation.

Thorough spray coverage is required for optimum weed control and can be improved with proper nozzle and spray volume selection. Use and configure application equipment to provide an adequate spray volume, an accurate and uniform distribution of spray droplets over the treated area. Adjust equipment to maintain continuous agitation during spraying with good mechanical or bypass agitation. Avoid overlaps that will increase rates above the use rates specified in this label.

Perseus SC may be applied using water or sprayable fluid nitrogen fertilizer solutions as the spray carrier. **DO NOT** apply this product without dilution in a spray carrier. Additionally, **Perseus SC** may be impregnated on and applied with dry bulk fertilizer.

Aerial Spray Carrier Volume. Use 3 or more gallons of water per acre. The actual minimum spray volume per acre is determined by the spray equipment used. Use adequate spray volume to provide accurate and uniform distribution of spray particles over the treated area.

Ground Spray Carrier Volume. Use 5 or more gallons of water per treated acre or 15 or more gallons of sprayable fluid nitrogen fertilizer per treated acre for weed control application.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications

- **DO NOT** release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a medium to ultra coarse spray droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

Ground Applications

- Apply with the nozzle height advised by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium to ultra coarse spray droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

The applicator is responsible for avoiding off-site spray drift. Be aware of nearby non-target sites and environmental conditions.

Importance of Droplet Size

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom Volume

Volume. Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.

Pressure. Use the lowest spray pressure advised for the nozzle to produce the target spray volume and droplet size.

Spray Nozzle. Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft Adjust Nozzles

Follow nozzle manufacturers directions for setting up nozzles. Generally, to reduce fine droplets, nozzles must be oriented parallel with the airflow in flight.

Boom Height– Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom must remain level with the crop and have minimal bounce.

Release Height – Aircraft

Higher release heights increase the potential for spray drift. When applying aurally to crops, **DO NOT** release spray at a height greater than 10 feet above the crop canopy, unless a greater application height is necessary for pilot safety.

Shielded Sprayers

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

Temperature and Humidity

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

Temperature Inversion

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

Wind

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.**

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

CHEMIGATION APPLICATION VIA SPRINKLER AND DRIP IRRIGATION SYSTEMS

Perseus SC may be applied as a chemigation treatment through sprinkler irrigation systems. Apply this product **ONLY** through a sprinkler irrigation system of the following type: center pivot, end tow, hand move, lateral move, side (wheel) roll, or solid set. **DO NOT** apply this product through any other type of sprinkler irrigation system.

Perseus SC may also be applied as a chemigation treatment through drip irrigation systems. All chemigation precautions mentioned in this label for sprinkler irrigation systems also apply for drip irrigation systems.

Application may be made alone or in tank mixtures with other herbicides on this label registered for use in specified sprinkler or drip irrigation systems. Application must be made within specific crop stage timings and product use rates given in the container label **Directions For Use**.

Uniform distribution of **Perseus SC**-treated irrigation water is the sole responsibility of the applicator and is required to avoid crop injury, lack of herbicide effectiveness, or illegal pesticide residue in the crop. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.

Proper calibration is the responsibility of the applicator. The system must be properly calibrated (with water only) to ensure the amount of **Perseus SC** applied corresponds to the specified rate. Apply **Perseus SC** in volume minimums of 0.33 to 0.67 inch of water using the lower volume for coarse-texture soils and the higher volume for fine-texture soils. Application made in high volumes of water (more than 1 inch) may result in reduced weed control.

Meter herbicide dilution into irrigation water through the entire time of water application for center pivot and lateral move sprinkler systems. For solid-set and hand-move sprinkler irrigation systems and drip irrigation systems, apply **Perseus SC** through the system at the beginning of the set; then follow with additional water to reach volume minimums as listed by soil type. To increase calibration accuracy of injection metering equipment, dilute **Perseus SC** in a minimum of 3 parts water to 1 part **Perseus SC**. Maintain agitation in injection nurse tanks to keep a uniform herbicide suspension during application.

SPECIAL RESTRICTIONS FOR CHEMIGATION:

1. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.
2. **DO NOT** connect an irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
3. 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 if the need arises.
4. Tail water (runoff water) from chemigation that contains **Perseus SC** needs be recirculated and/or contained in the field in a cistern or holding reservoir from the initial application and/or used only on adjacent, approved crops for which **Perseus SC** is registered for this type of application.
5. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. It 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.
6. The sprinkler chemigation 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. In addition, systems must use a metering pump, including 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.
7. The sprinkler chemigation system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
8. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS:

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system needs be 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 the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. All chemigation systems connected to public water systems must also follow restrictions listed in the preceding section.

GROUND APPLICATION (DRY BULK FERTILIZER)

Perseus SC may be impregnated or coated onto dry bulk granular fertilizer carriers for residual soil surface (fall, pre-plant surface, preplant incorporated) applications or for residual weed control from postemergence over-the-top of cotton applications. Impregnation or coating may be conducted by in-plant bulk or on-board systems. Perform the mixing operation in well-ventilated areas.

All individual state regulations relating to dry bulk granular fertilizer blending, registration, labeling, and application are the responsibility of the individual and/or company selling the herbicide/fertilizer mixture.

Perseus SC may be impregnated on many commonly used dry fertilizers. **DO NOT** impregnate on ammonium nitrate, fertilizers containing ammonium nitrate, potassium nitrate, sodium nitrate, or powdered limestone.

Fertilizer application rates of at least 200 lbs to 700 lbs per acre of herbicide and fertilizer blend will provide adequate distribution or coverage of **Perseus SC** across the soil surface. Application of impregnated fertilizer must be made uniformly to the soil to prevent possible crop injury and offer satisfactory weed control. Impregnated fertilizer spread at half rate and overlapped to obtain a full rate offers a more uniform distribution. A shallow (less than 2 inches) incorporation is desirable for improved weed control. Deeper incorporation dilutes the herbicide layer near the soil surface and may result in unsatisfactory weed control.

To calculate the herbicide rate when using dry bulk fertilizer applications:

$$\frac{(\text{fl ozs of } \mathbf{Perseus\ SC} \text{ per acre} \times 2000)}{\text{pounds fertilizer per acre}} = \text{fl ozs of } \mathbf{Perseus\ SC} \text{ for 1 ton of fertilizer}$$

To impregnate **Perseus SC** on bulk fertilizer, use a closed rotary-drum mixer or other commonly used dry bulk fertilizer blender equipped with suitable spray equipment. Mix **Perseus SC** with sufficient water to form a sprayable slurry mixture. Spray nozzles must be directed to provide uniform fertilizer coverage while avoiding spray contact with mixing equipment. Nonuniform impregnation can cause crop injury or unsatisfactory performance. Spray herbicide mixture onto fertilizer after blending has started. Addition of a suitable drying agent may be necessary if the fertilizer and herbicide blend is too wet for uniform application due to high humidity, high urea concentration, or low fertilizer use rate. Slowly add the drying agent to the blend until a flowable mixture is obtained. Drying agents are not intended for use with on-board impregnation systems.

Under some conditions, fertilizer impregnated with **Perseus SC** may clog air tubes or deflector plates on pneumatic application systems. Mineral oil may be added to **Perseus SC** before blending with fertilizer to reduce plugging. **DO NOT** use drying agents when mineral oil is used. To avoid separation of **Perseus SC** and mineral oil mixes in cold temperatures, keep mixture heated or agitated before blending with fertilizer. Mineral oil may be used with inplant blending stations or with on-board injection systems.

Uniformly apply the treated fertilizer with accurately calibrated and proper equipment immediately after impregnation to avoid lump formation and spreading difficulties.

Accurate calibration of fertilizer application equipment and uniform fertilizer distribution is essential for satisfactory weed control.

CLEANING SPRAY EQUIPMENT

Clean application equipment thoroughly by using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions. Triple rinse the equipment before and after applying **Perseus SC**.

ADDITIVES

Perseus SC is formulated to provide optimal residual preemergence weed control. However, several tank mixes with **Perseus SC** may require an adjuvant to improve burndown of emerged weeds. Therefore, an adjuvant may be used with **Perseus SC** tank mixes that are applied fall, pre-plant, preemergence, or early postemergence. Follow the adjuvant directions for the tank mix partner of **Perseus SC**.

TANK MIXING INFORMATION

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

Perseus SC may be tank mixed or applied sequentially with other herbicide products registered for use in any labeled crop found in this label for a broader spectrum of residual weed control and/or control of emerged weeds. Refer to the tank mix product labels to confirm that the respective tank mix products are registered for use on the labeled crop. Follow the adjuvant directions for the tank mix partner of **Perseus SC**. Read and follow tank mix product labels for application instructions, use restrictions and precautions, and rotational cropping guidance.

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Perseus SC** with other pesticides, additives, or fertilizers.

COMPATIBILITY TEST FOR TANK MIX PRODUCTS

Before mixing components, always perform a compatibility jar test.

1. For 20 gallons per acre spray volume, use 3.3 cups (800 mL) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.
2. Add components in the sequence indicated in the mixing order using 2 teaspoons for each pound or 1 teaspoon for each pint of label rate per acre.
3. Always cap the jar and invert 10 cycles between component additions.
4. When the components have all been added to the jar, let the solution stand for 15 minutes.
5. Evaluate the solution for uniformity and stability. The spray solution must not have free oil on the surface, or fine particles that precipitate to the bottom, or thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, **DO NOT** mix the ingredients in the same tank.

MIXING ORDER

Shake Perseus SC container well before use.

Maintain agitation throughout mixing and application until spraying is completed.

1. **Water** – Fill tank 1/2 to 3/4 full with clean water and start agitation.
2. **Inductor** – If an inductor is used, rinse it thoroughly after each component has been added.
3. **Products in PVA bags** – Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. **Water-soluble additives** (dry and liquid fertilizers including ammonium sulfate or urea ammonium nitrate).
5. **Water-dispersible products** (including dry flowables, wettable powders, suspension concentrates, or suspoemulsions) – Add **Perseus SC** at this point in the mixing process.
6. Water-soluble products.
7. **Emulsifiable concentrates** (including methylated seed oil adjuvants).
8. Remaining quantity of water.

If the spray mixture is allowed to settle for any period of time, thorough agitation is essential to resuspend the mixture before spraying is resumed. Continue agitation while spraying.

USE RESTRICTIONS

- **Maximum use rate** – Refer to **Crop-specific Information** section for maximum application use rates of **Perseus SC** in each crop and use pattern.
- Refer to **Crop-specific Information** for additional crop use restrictions.
- **DO NOT** contaminate irrigation ditches or water used for domestic purposes.
- **Irrigation** – **DO NOT** use flood irrigation to apply, activate, or incorporate **Perseus SC**.
- **Emergency replanting intervals** – If a labeled crop treated with **Perseus SC** is lost to crop failure (because of environmental factors including drought, frost, hail, etc.), the crop may be replanted immediately. However, **DO NOT** repeat application of **Perseus SC** after crop failure. A sequential application can be made as long as the maximum cumulative rate for the crop and soil per year is not exceeded.
- Not Registered for sale, distribution, or use in Nassau and Suffolk counties in New York state.

USE PRECAUTIONS

- **Crop rotation intervals** – Use **Table 5** to determine the proper interval between **Perseus SC** application and the planting of rotational crops. Determine the crop rotation interval for tank mix products, and use the most restrictive interval of all products applied.

Table 5. Rotational Crop Planting Intervals by Perseus SC Application Rate

Crop	Perseus SC Use Rate			
	1.75 fl oz/A (0.057 lb ai/A)	3.25 fl oz/A (0.106 lb ai/A)	5.0 fl oz/A (0.163 lb ai/A)	6.5 fl oz/A (0.212 lb ai/A)
	Rotational Crop Interval (months after application)			
Alfalfa	10	10	10	10
Beans, edible dry	11	11	11	11
Beans, edible-podded and succulent shelled	11	11	11	11
Bulb onion	2	4	4	4
Canola (Rapeseed)	12	12	15	18
Chickpea	1	1	1	2
Corn	0	0	0	0
Cotton	1	2	4	4
Flax	2	4	6	8
Garlic	0	0	4	4
Grain sorghum	6	6	10	12
Cool-season Grasses grown for seed*	11**	11**	18	18
Warm-season Grasses grown for seed	18	18	18	18
Green onion	4	6	8	12
Lentil	1	1	2	4
Peanut	1	2	4	4
Peas, edible-podded and succulent shelled	9	9	11	11

(continued)

Table 5. Rotational Crop Planting Intervals by Perseus SC Application Rate (continued)

Crop	Perseus SC Use Rate			
	1.75 fl oz/A (0.057 lb ai/A)	3.25 fl oz/A (0.106 lb ai/A)	5.0 fl oz/A (0.163 lb ai/A)	6.5 fl oz/A (0.212 lb ai/A)
	Rotational Crop Interval (months after application)			
Peas, field (dry)	1	1	1	2
Potato	1	2	3	3
Rice	10	12	18	24
Safflower	1	2	3	3
Small grains (other than wheat)	11	11	11	18
Soybean	0	0	0	4
Sugar beet	12	12	15	15
Sugarcane	4	4	4	4
Sunflower	1	2	3	3
Sweet potato	4	4	4	9
Tobacco (grown in states of FL, GA, KY, NC, SC, TN, and VA)	9	9	12	12
Tobacco (grown in all other states)	18	18	18	18
Wheat	1	1	4	6
Other Crops	18	18	18	18

* Only when grown in states of Idaho, Oregon and Washington, for all other states see rotational crop intervals for "Other Crops".

** An 11 month rotational crop interval only when greater than 15 inches of precipitation (rainfall/irrigation) has occurred from time of application to planting of grass grown for seed. If less than 15 inches of precipitation has occurred, the rotational crop interval is 18 months.

CROP-SPECIFIC INFORMATION

Read product information, mixing, application, weeds controlled, and additive instructions in preceding sections of the label.

BROAD BEAN

Perseus SC may be applied preemergence to broad bean (dry, faba bean, fava bean) for residual preemergence weed control. Use **Perseus SC** as part of a weed control program in broad bean either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds.

Before applying to broad bean, verify with your local seed company (supplier) the selectivity of **Perseus SC** on your variety to avoid potential injury.

Application Rate

Apply **Perseus SC** in broad bean at the residual rates provided in **Table 6**.

Table 6. Residual Rates of Perseus SC in Broad Bean

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Preemergence	DO NOT USE	3.25 fl oz (0.106 lb ai)	3.25 fl oz (0.106 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may only be applied in a single application.

Preemergence Surface Application

Apply **Perseus SC** at use rates specified in **Table 6** as a broadcast spray to the soil surface after planting and before crop emergence.

Crop-specific Restrictions

- **DO NOT** apply more than 3.25 fl oz (0.106 lb ai)/A of **Perseus SC** in a single application.
- Maximum number of applications per year: 1
- **DO NOT** apply more than 3.25 fl oz (0.106 lb ai)/A of **Perseus SC** per year.
- **DO NOT** apply **Perseus SC** in combination with other pyroxasulfone-containing products in broad bean.
- **DO NOT** apply **Perseus SC** to emerging or emerged broad bean as severe crop injury will occur.
- **DO NOT** apply **Perseus SC** to broad bean grown on coarse soils.
- There is no required (preharvest) interval between a preemergence application of **Perseus SC** and the harvest of broad bean.
- Legume vegetable forage and hay may be fed to or grazed by livestock.

Crop-specific Precautions

- The use of **Perseus SC** may result in temporary growth suppression in broad bean under stressful conditions, including inadequate or excessive moisture or rainfall, cool and hot temperatures, compacted or crusted soils, improper planting depth, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress.

CELERY

Perseus SC may be applied to transplanted celery as an early post-transplant application for residual preemergence control of listed weeds (**Table 1**). Use **Perseus SC** as part of a weed control program in celery either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds. Before applying to celery, verify with your local seed company (supplier) the selectivity of **Perseus SC** on your variety to avoid potential injury.

Application Rate

Apply **Perseus SC** in transplanted celery at the residual rates provided in **Table 7**.

Table 7. Residual Rates of Perseus SC in transplanted Celery

Application Timing	Use Rate per Acre
	Muck or Peaty Muck Soils (greater than 20% organic matter)
Early Post-transplant	3.25 fl oz (0.106 lb ai)

Application Timing

Perseus SC may only be applied in a single application.

Early Post-transplant Application (1 to 6 days after transplanting)

Apply **Perseus SC** at the use rates specified in **Table 7** as a broadcast spray to the soil surface 1 to 6 days after transplanting. Apply **Perseus SC** only to a uniform transplant bed which is firm and free of clods and cracks. The transplant bed must be prepared to ensure good transplant row closure.

Crop-specific Restrictions

- **DO NOT** apply more than 3.25 fl oz (0.106 lb ai)/A of **Perseus SC** in a single application.
- Maximum number of applications per year: 1
- **DO NOT** apply more than 3.25 fl oz (0.106 lb ai)/A of **Perseus SC** per year.
- There is no required preharvest interval for **Perseus SC** when applied after transplanting.
- **DO NOT** apply **Perseus SC** seven or more days after transplanting.
- Only apply **Perseus SC** to transplanted celery.
- Only apply **Perseus SC** to celery grown on muck or peaty muck soils with greater than 20% organic matter.

Crop-specific Precautions

- The use of **Perseus SC** may result in temporary growth suppression, leaf burn, and/or other injury or stand reduction in transplanted celery under stressful conditions including inadequate or excessive moisture, extended periods of water-saturated soil occur during early transplant growth and development, cool and hot temperatures, compacted soils, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress.

CHICKPEA

Perseus SC may be applied preplant surface or preemergence to chickpea (garbanzo bean) for residual preemergence control of listed weeds (**Table 1**). Use **Perseus SC** as part of a weed control program in chickpea either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds. Before applying to chickpea, verify with your local seed company (supplier) the selectivity of **Perseus SC** on your variety to avoid potential injury.

Application Rate

Apply **Perseus SC** in chickpea at the residual rates provided in **Table 8**.

Table 8. Residual Rates of Perseus SC in Chickpea

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Preplant surface	DO NOT USE	2.5 fl oz (0.081 lb ai)	2.5 to 3.25 fl oz (0.081 to 0.106 lb ai)
Preemergence	DO NOT USE	2.5 fl oz (0.081 lb ai)	2.5 to 3.25 fl oz (0.081 to 0.106 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may only be applied in a single application.

Preplant Surface Application

Apply **Perseus SC** at the use rates specified in **Table 8** as a broadcast spray to the soil surface within 30 days of planting.

Preemergence Surface Application

Apply **Perseus SC** at use rates specified in **Table 8** as a broadcast spray to the soil surface after planting and before crop emergence.

Crop-specific Restrictions

• On medium soils

- **DO NOT** apply more than 2.5 fl oz (0.081 lb ai)/A of **Perseus SC** in a single application.

• On fine soils

- **DO NOT** apply more than 3.25 fl oz (0.106 lb ai)/A of **Perseus SC** in a single application.

- Maximum number of applications per year: 1

- **DO NOT** apply more than 2.5 fl oz (0.081 lb ai)/A of **Perseus SC** on medium soils and more than 3.25 fl oz (0.106 lb ai)/A of **Perseus SC** on fine soils per year.

- **DO NOT** apply **Perseus SC** in combination with other pyroxasulfone-containing products in chickpea.

- **DO NOT** apply **Perseus SC** to emerging or emerged chickpea as severe crop injury will occur.

- **DO NOT** apply **Perseus SC** to chickpea grown on coarse soils.

- There is no required (preharvest) interval between a pre-plant or preemergence application of **Perseus SC** and the harvest of chickpea.

- Legume vegetable forage and hay may be fed to or grazed by livestock.

CORN

Perseus SC may be applied preplant surface, preplant incorporated, preemergence, or early postemergence to corn for residual preemergence control of listed weeds (**Table 1**). Use **Perseus SC** as part of a weed control program in corn either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds. Corn in this label refers to field corn (grown for grain, seed, or silage), popcorn, and sweet corn (grown for fresh, processing, or seed).

Before applying to seed corn, sweet corn, or popcorn, verify with your local seed company (supplier) the selectivity of **Perseus SC** on your inbred line or hybrid to avoid potential injury.

Application Rate

Apply **Perseus SC** in corn at the residual rates provided in **Table 9**.

Table 9. Residual Rates of Perseus SC in Corn

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Preplant surface	2.5 to 4.5 fl oz (0.081 to 0.147 lb ai)	3.25 to 5.0 fl oz (0.106 to 0.163 lb ai)	4.0 to 6.5 fl oz (0.13 to 0.212 lb ai)
Preplant incorporated	2.5 to 4.5 fl oz (0.081 to 0.147 lb ai)	3.25 to 5.0 fl oz (0.106 to 0.163 lb ai)	4.0 to 6.5 fl oz (0.13 to 0.212 lb ai)
Preemergence	2.5 to 4.5 fl oz (0.081 to 0.147 lb ai)	3.25 to 5.0 fl oz (0.106 to 0.163 lb ai)	4.0 to 6.5 fl oz (0.13 to 0.212 lb ai)
Early postemergence	1.75 to 4.5 fl oz (0.057 to 0.147 lb ai)	2.5 to 5.0 fl oz (0.081 to 0.163 lb ai)	3.25 to 6.5 fl oz (0.106 to 0.212 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may be applied in a single application or in sequential applications.

Fall/Winter Application

For controlling weeds germinating in the fall, or winter annual weeds **Perseus SC** may be broadcast surface applied in the fall or winter to control winter annual weeds and other weeds germinating in the fall. Use on coarse, medium, or fine soils at rates listed for preplant surface timing. A sequential preemergence or postemergence application can be made, but **DO NOT** exceed the maximum cumulative rate allowed by soil type per year. See the main **Application Timing** section of this label for further application instructions.

Early Preplant Surface Application (within 15 to 45 days of planting)

Use application rates in **Table 9** when making preplant surface applications, using the highest application rate for a given soil texture. Preplant surface applications are not advised on coarse soils, in areas where average annual rainfall (or rainfall plus irrigation) typically exceeds 40 inches, or for popcorn or sweet corn.

Preplant Surface or Preplant Incorporated Application (within 14 days of planting)

Apply **Perseus SC** at the use rates specified in **Table 9** as a broadcast spray to the soil surface or incorporated before planting on all soil types.

Preemergence Surface Application

Apply **Perseus SC** at use rates specified in **Table 9** as a broadcast spray to the soil surface after planting and before crop emergence.

Early Postemergence Application

Apply **Perseus SC** at use rates specified in **Table 9** as a broadcast spray to corn at spiking up to the V8 stage (visible eighth leaf collar).

Sequential Application

If a sequential application program of **Perseus SC** is used (e.g. fall application followed by spring application, or sequential applications in the spring), the maximum combined rate of **Perseus SC** that may be applied in corn per year is 4.5 fl oz (0.147 lb ai)/A on coarse soils or 8.25 fl oz (0.269 lb ai)/A on all medium-to-fine soils.

Crop-specific Restrictions

- **On coarse soil:**
 - **DO NOT** apply more than 4.5 fl oz (0.147 lb ai)/A of **Perseus SC** in a single application or as a maximum cumulative amount from sequential applications in corn per year.
- **On medium soil:**
 - **DO NOT** apply more than 5.0 fl oz (0.163 lb ai)/A of **Perseus SC** in a single application.
 - **DO NOT** apply more than a maximum cumulative amount of 8.25 fl oz (0.269 lb ai)/A of **Perseus SC** from sequential applications in corn per year.
- **On fine soil:**
 - **DO NOT** apply more than 6.5 fl oz (0.212 lb ai)/A of **Perseus SC** in a single application.
 - **DO NOT** apply more than a maximum cumulative amount of 8.25 fl oz (0.269 lb ai)/A of **Perseus SC** from sequential applications in corn per year.
- Maximum number of applications per year: 2 (when applying rates less than single application maximum rate)
- Separate sequential applications by at least 14 days.
- **DO NOT** harvest sweet corn ears for human consumption less than 37 days after application of **Perseus SC**.

Crop-specific Precautions

- **Seeding depth** – Corn seed must be planted a minimum 1-inch deep.

COTTON

Perseus SC can be applied to cotton prior to weed emergence for residual preemergence control of listed weeds (**Table 1**), by the following timing and methods: postemergence-directed (layby) spray, or postemergence spreading of impregnated dry bulk fertilizer. Use **Perseus SC** as part of a weed control program in cotton either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds. Before applying to cotton, verify with your local seed company (supplier) the selectivity of **Perseus SC** on your variety to avoid potential injury.

No crop injury is expected when **Perseus SC** is applied postemergence-directed (layby) or when applied postemergence impregnated onto dry bulk fertilizer. However, some visual cotton response is possible when **Perseus SC** is applied under stressful conditions including inadequate or excessive moisture, cool or hot temperatures, compacted soils, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress.

Application Rate

Apply **Perseus SC** in cotton at the residual rates in **Table 10**.

Table 10. Residual Rates of Perseus SC in Cotton

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Postemergence- directed (Layby)	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)
Postemergence (via impregnated dry bulk fertilizer)	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may only be applied in a single application.

Postemergence-directed (Layby) Application

Apply **Perseus SC** at use rates specified in **Table 10** as a broadcast-directed spray between cotton rows from 5-leaf stage to beginning bloom stage. The use of hooded or shielded sprayers is advised when applying **Perseus SC** as postemergence-directed (layby) spray. Avoid contacting cotton leaves with **Perseus SC** spray solution or injury may occur.

Early Postemergence Application – Dry Bulk Fertilizer

Apply **Perseus SC** at use rates specified in **Table 10** as a broadcast spread of impregnated dry bulk fertilizer to cotton from 5-leaf stage to beginning bloom stage.

Apply a minimum of 250 pounds of dry bulk fertilizer per acre to ensure sufficient broadcast coverage for effective weed control. Further increasing the rate of fertilizer spread per acre can improve soil surface coverage and weed control.

Activate **Perseus SC** with minimum of 0.75 inch of rainfall or irrigation soon after fertilizer spreading.

See the **Ground Application (Dry Bulk Fertilizer)** section on this label for further information about this application.

Crop-specific Restrictions

- **DO NOT** apply **Perseus SC** as a preplant or preemergence treatment, or as a postemergence over-the-top spray treatment in cotton.
- **DO NOT** apply **Perseus SC** to cotton from emergence (at-cracking) through cotyledon stage or injury will occur.
- **DO NOT** apply more than 3.5 fl oz (0.114 lb ai)/A of **Perseus SC** in a single application.
- Maximum number of applications per year: 1
- **DO NOT** apply more than 3.5 fl oz (0.114 lb ai)/A of **Perseus SC** per year.
- **DO NOT** apply **Perseus SC** to wet leaves (from recent rainfall or irrigation, dew) where the treated dry bulk fertilizer is retained on cotton leaves.
- **DO NOT** apply **Perseus SC** impregnated onto ammonium nitrate, potassium nitrate, sodium nitrate or powdered limestone dry bulk fertilizers.
- There is no required (preharvest) interval between a postemergence application of **Perseus SC** and the harvest of cotton.
- Cotton gin byproducts may be fed to livestock.

Crop-specific Precautions

- The use of **Perseus SC** may result in temporary growth suppression in cotton if extreme conditions of high rainfall and extended periods of water-saturated soil occur during cotton germination or early seedling development.
- **Perseus SC** applied early postemergence can cause cotton injury. Under stressful conditions (including inadequate or excessive moisture, cool or hot temperatures, compacted soils, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress), **Perseus SC** injury will be intensified.

FALLOW

Perseus SC may be used as a residual treatment to control listed weeds at any time of the year during the fallow period following crop harvest and before the following crop is planted (see paragraph below pertaining to rotational crop planting intervals).

Application Rate and Timing

Apply **Perseus SC** as a broadcast spray at 1.75 to 6.5 fl oz (0.057 to 0.212 lb ai)/A. Sequential applications may be made with a minimum of 30 days between applications. Best product performance is obtained when weeds are not emerged before application.

Specific rotational crop planting intervals must be observed between an application of **Perseus SC** and planting of the following crops (see **Table 5** for rotational crop planting intervals).

Crop-specific Restrictions

- **DO NOT** apply more than 6.5 fl oz (0.212 lb ai)/A of **Perseus SC** in a single application.
- **DO NOT** apply more than a maximum cumulative amount of 8.25 fl oz (0.269 lb ai)/A of **Perseus SC** from sequential applications per year.
- Maximum number of applications per year: 3 (when applying rates less than single application maximum rate)
- Separate sequential applications by at least 30 days.

LEEK

Perseus SC may be applied to leek (transplanted only) as a postemergence application for residual preemergence weed control. Use **Perseus SC** as part of a weed control program in leek either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds.

Application Rate

Apply **Perseus SC** in leek at the residual rates provided in **Table 11**.

Table 11. Residual Rates of Perseus SC in Leek

Application Timing	Use Rate Per Acre by Soil Texture		
	Coarse	Medium to Fine	Muck (greater than 20% organic matter)
Postemergence	DO NOT USE	2.0 to 2.75 fl oz (0.065 to 0.09 lb ai)	2.75 fl oz (0.09 lb ai)

Application Method and Timing

Perseus SC may only be applied in a single application.

Postemergence Application

Apply **Perseus SC** at the use rates specified in **Table 11** as a broadcast spray to leek that have 2 to 6 true leaves.

Crop-specific Restrictions

- **DO NOT** apply more than 2.75 fl oz (0.09 lb ai)/A of **Perseus SC** in a single application.
- Maximum number of applications per year: 1
- **DO NOT** apply more than 2.75 fl oz (0.09 lb ai)/A of **Perseus SC** per year.
- **DO NOT** apply **Perseus SC** within 60 days of harvest of leek.
- **DO NOT** apply **Perseus SC** to directed-seeded leek.

Crop-specific Precautions

- **Crop response** – The use of **Perseus SC** may result in temporary growth suppression, leaf burn, and/or other injury or stand reduction to leek under stressful conditions including inadequate or excessive moisture, extended periods of water-saturated soil occur during early transplant growth and development, cool and hot temperatures, compacted soils, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress.

MINT* (PEPPERMINT AND SPEARMINT TOPS)

- Mint (peppermint and spearmint tops) includes peppermint and spearmint harvested for fresh mint leaves or for stems and leaves processed into mint oil. Peppermint and spearmint tops hereafter referred to as mint.

For use only in Idaho, Montana, Oregon, and Washington.

Perseus SC may be applied to dormant established mint for residual preemergence control of listed weeds (**Table 1**). Use **Perseus SC** as part of a weed control program in mint either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds.

Application Rate and Timing

Perseus SC may only be applied in a single application.

Apply **Perseus SC** at 3.0 fl oz (0.098 lb ai)/A (on medium and fine texture soils only) as a broadcast spray to dormant established mint before target-weed germination.

Crop-specific Restrictions

- **DO NOT** apply more than 3.0 fl oz (0.098 lb ai)/A of **Perseus SC** in a single application.
- Maximum number of applications per year: 1
- **DO NOT** apply more than 3.0 fl oz (0.098 lb ai)/A of **Perseus SC** per year.
- **DO NOT** apply **Perseus SC** to mint in the first year of growth and establishment.
- **DO NOT** apply **Perseus SC** to mint that has broken dormancy. Application to mint that is near dormancy break can result in crop injury. Risk of crop injury increases the closer application is to mint dormancy break.
- **DO NOT** apply **Perseus SC** to mint stands that have been weakened by age, disease, cold weather, excessive moisture, or other factors that reduce crop vigor. Mint growing under stress is more susceptible to herbicide damage.
- **DO NOT** apply **Perseus SC** to mint grown on soils with less than 1% organic matter.
- **DO NOT** apply **Perseus SC** to mint grown on coarse soils.
- There is no required (preharvest) interval between a dormant application of **Perseus SC** and the harvest of mint.
- **DO NOT** use roots from **Perseus SC**-treated mint for human consumption. Roots treated with **Perseus SC** can be used for root propagation.

Crop-specific Precautions

- After **Perseus SC** application, temporary crop injury may be observed in the growing season as mint breaks dormancy and begins to grow.
- The use of **Perseus SC** may result in growth suppression of mint if extreme conditions of high rainfall, high winds, and/or extended periods of water-saturated soil occur right before or soon after mint breaks dormancy.

ONIONS, DRY BULB

Perseus SC may be applied to dry bulb onions (direct seeded and transplanted) as a postemergence application for residual preemergence weed control. Use **Perseus SC** as part of a weed control program in dry bulb onions either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds.

Application Rate

Apply **Perseus SC** in dry bulb onions at the residual rates provided in **Table 12**.

Table 12. Residual Rates of Perseus SC in Dry Bulb Onions

Application Timing	Use Rate Per Acre by Soil Texture		
	Coarse	Medium to Fine	Muck (greater than 20% organic matter)
Postemergence	DO NOT USE	2.0 to 2.75 fl oz (0.065 to 0.09 lb ai)	2.75 fl oz (0.09 lb ai)

Application Method and Timing

Perseus SC may only be applied in a single application.

Postemergence Application

Apply **Perseus SC** at the use rates specified in **Table 12** as a broadcast spray to dry bulb onions that have 2 to 6 true leaves.

State-specific Use Instructions for use only in Idaho, Oregon, and Washington.

Apply **Perseus SC** postemergence in dry bulb onion for residual weed control. Apply **Perseus SC** at 2.0 to 2.75 fl oz (0.065 to 0.09 lb ai)/A on coarse soils. Avoid application to soils with less than 0.5% organic matter and/or pH greater than 7.5 because unacceptable crop injury may occur.

Crop-specific Restrictions

- **DO NOT** apply more than 2.75 fl oz (0.09 lb ai)/A of **Perseus SC** in a single application.
- Maximum number of applications per year: 1
- **DO NOT** apply more than 2.75 fl oz (0.09 lb ai)/A of **Perseus SC** per year.
- **DO NOT** apply **Perseus SC** within 60 days of harvest of dry bulb onions.

Crop-specific Precautions

- **Crop response** – The use of **Perseus SC** may result in temporary growth suppression, leaf burn, and/or other injury or stand reduction to dry bulb onions under stressful conditions including inadequate or excessive moisture, extended periods of water-saturated soil during early transplant growth and development, cool and hot temperatures, compacted soils, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress.

PEANUT

Perseus SC may be applied early postemergence to peanut for residual preemergence control of listed weeds (**Table 1**). Use **Perseus SC** as part of a weed control program in peanut either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds. Before applying to peanut, verify with your local seed company (supplier) the selectivity of **Perseus SC** on your variety to avoid potential injury.

Application Rate

Apply **Perseus SC** in peanut at the residual rates provided in **Table 13**.

Table 13. Residual Rates of Perseus SC in Peanut

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Early postemergence	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may be applied in a single application or in sequential applications.

Early Postemergence Application

Apply **Perseus SC** at use rates specified in **Table 13** as a broadcast spray to peanut from "at-cracking" stage to first true leaf stage through beginning of pod development stage. **Perseus SC** applications to emerged peanut may result in temporary leaf burn and stunting, but a reduction in peanut yield is unexpected. Tank mixes of **Perseus SC** with other crop protection products or adjuvants may significantly enhance this effect. Depending upon growing conditions, recovery from this injury begins immediately but may take several weeks for the injury to dissipate entirely.

Adjuvants may be applied with **Perseus SC** when making early postemergence applications.

Sequential Applications

If a sequential application program of **Perseus SC** is used (e.g. consecutive postemergence applications), the maximum combined rate of **Perseus SC** that may be applied per year is 8.25 fl oz (0.269 lb ai)/A on all soils.

State-specific use in Texas in areas west of Interstate 35

Apply **Perseus SC** early postemergence at 2.5 fl oz (0.081 lb ai)/A. Use of **Perseus SC** may result in growth suppression if heavy rainfall or irrigation (> 2 inches) occur after application. If a sequential application program of **Perseus SC** is used (e.g. consecutive postemergence applications), the maximum combined rate of **Perseus SC** that may be applied in peanut per year is 5.0 fl oz (0.163 lb ai)/A on all soils. Separate sequential applications by at least 21 days.

Crop-specific Restrictions

- **DO NOT** apply more than 3.5 fl oz (0.114 lb ai)/A of **Perseus SC** in a single application.
- **DO NOT** apply more than a maximum cumulative amount of 8.25 fl oz (0.269 lb ai)/A of **Perseus SC** from sequential applications in peanut per year.
- Maximum number of applications per year: 3 (when applying rates less than single application maximum rate)
- Separate sequential applications by at least 14 days.
- There is no required (preharvest) interval between an early postemergence application of **Perseus SC** and the harvest of peanut.

Crop-specific Precautions

- **Perseus SC** applied early postemergence (at-cracking through first leaf stage) may result in temporary growth suppression in peanut if extreme conditions of high rainfall and extended periods of water-saturated soil occur during peanut germination or early seedling development.

PERENNIAL COOL-SEASON GRASSES GROWN FOR SEED PRODUCTION

For use only in Oregon and Washington.

Perseus SC may be applied to established (defined as planted in fall or spring which has gone through a first grass seed harvest or spring-planted grass that have developed at least 8-tillers) stands of perennial cool-season grasses (including fine fescue, orchardgrass, perennial ryegrass, and tall fescue) grown for seed production for residual preemergence control of listed weeds (**Table 1**). Use **Perseus SC** as part of a weed control program in perennial cool-season grasses grown for seed production either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds. Before applying to perennial cool-season grass grown for seed production, verify with your local seed company (supplier), university extension specialist (e.g., weed scientist, county agent, etc.), or Viriterra Inc. representative the selectivity of **Perseus SC** on your variety to avoid potential injury.

Application Rate

Apply **Perseus SC** in perennial cool-season grasses grown for seed production at the residual rates provided in **Table 14**.

Table 14. Residual Rates of Perseus SC in Perennial Cool-season Grasses Grown for Seed Production

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Established Stands	3.0 fl oz (0.098 lb ai)	3.0 fl oz (0.098 lb ai)	3.0 fl oz (0.098 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may only be applied in a single application.

Fall Application in Carbon-Planting of Grass Seed

Apply **Perseus SC** at 1.5 to 3.0 fl oz (0.049 to 0.098 lb ai)/A as a broadcast spray to soil surface immediately after grass seed has been planted using standard carbon-planting practices (i.e., activated carbon applied at minimum 300 lbs/acre in minimum one inch band over grass seed row). Apply **Perseus SC** before target weed germination.

Application to Established Stands

Apply **Perseus SC** at the use rate specified in **Table 14** as a broadcast spray to the soil surface in postharvest grass during regrowth at the beginning of significant fall rains or in winter by January 31, or as a fall application to spring-planted grass crops that have developed at least 8-tillers. Apply **Perseus SC** before target-weed germination.

Crop-specific Restrictions

- **DO NOT** apply more than 3.0 fl oz (0.098 lb ai)/A of **Perseus SC** in a single application.
- Maximum number of applications per year: 1
- **DO NOT** apply more than 3.0 fl oz (0.098 lb ai)/A of **Perseus SC** per year.
- **DO NOT** apply **Perseus SC** in combination with other pyroxasulfone-containing products in perennial cool-season grasses grown for seed production.
- Preharvest Interval (PHI) for seed of perennial grasses – 60 days
- Pregrazing Interval (PGI) to livestock for **Perseus SC**-treated grass forage and hay – 60 days

Crop-specific Precautions

- Application made in periods of cold temperatures that temporarily limit normal crop growth or in extended cold temperature periods that initiate winter dormancy in grass crops may result in injury.

POTATO

Perseus SC may be applied preemergence to potato for residual preemergence control of listed weeds (**Table 1**). Use **Perseus SC** as part of a weed control program in potato either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds. Before applying to potato, verify with your local seed company (supplier) the selectivity of **Perseus SC** on your variety to avoid potential injury.

Application Rate

Apply **Perseus SC** in potato at the residual rates provided in **Table 15**.

Table 15. Residual Rates of Perseus SC in Potato

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Preemergence	2.5 fl oz (0.081 lb ai)	2.5 to 3.25 fl oz (0.081 to 0.106 lb ai)	2.5 to 3.25 fl oz (0.081 to 0.106 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may only be applied in a single application.

Preemergence Surface Application

Apply **Perseus SC** at use rates specified in **Table 15** as a broadcast spray to the soil surface after planting or drag off, but before crop emergence. Where "drag off" is practiced, **DO NOT** apply **Perseus SC** until the "drag off" process is complete and there is a minimum of 2 inches of soil covering the vegetative portion of the potato plants, or **Perseus SC** may be applied after hilling but prior to potato or weed emergence, or **Perseus SC** may be applied where potato hills are harrowed and re-hilled and sprayed, but application must be prior to potato and weed emergence. There must be 2 inches of soil covering the seed piece and/or sprout/vegetation. Care must be exercised so that "drag off" implements do not injure the plants. Efficacy will be reduced if later cultural practices expose untreated soil. Apply **Perseus SC** only to a uniform seedbed which is firm and free of clods and cracks. The seedbed must be prepared to ensure good seed piece row closure and soil coverage of the seed pieces.

State-specific Use Instructions for Preemergence Surface Application in Idaho, Oregon, and Washington.

Apply **Perseus SC** preemergence at 2.5 to 3.25 fl oz (0.081 to 0.106 lb ai)/A on coarse soils, and at 3.25 to 4.0 fl oz (0.106 to 0.13 lb ai)/A on medium soils and fine soils. Avoid application to soils with less than 0.5% organic matter and/or pH greater than 7.5 because unacceptable crop injury may occur. Follow all other application instructions and restrictions for preemergence surface applications of **Perseus SC** in potato.

Crop-specific Restrictions

- **On coarse soils**
 - **DO NOT** apply more than 2.5 fl oz (0.081 lb ai)/A of **Perseus SC** in a single application (excluding Idaho, Oregon, and Washington).
 - In Idaho, Oregon, and Washington, **DO NOT** apply more than 3.25 fl oz (0.106 lb ai)/A on coarse soils in a single application.
- **On all soils other than coarse**
 - **DO NOT** apply more than 3.25 fl oz (0.106 lb ai)/A of **Perseus SC** in a single application (excluding Idaho, Oregon, and Washington).
 - In Idaho, Oregon, and Washington, **DO NOT** apply more than 4.0 fl oz (0.13 lb ai)/A on medium or fine soils in a single application.
- Maximum number of applications per year: 1
- **DO NOT** apply more than 4.0 fl oz (0.13 lb ai)/A of **Perseus SC** per year.
- **DO NOT** apply **Perseus SC** prior to planting potato seed pieces.
- **DO NOT** apply **Perseus SC** to emerging or emerged potato as severe crop injury will occur.
- There is no required (preharvest) interval between a preemergence application of **Perseus SC** and the harvest of potato.

Crop-specific Precautions

- The use of **Perseus SC** may result in temporary growth suppression in potato under stressful conditions, including inadequate or excessive moisture or rainfall, cool and hot temperatures, compacted or crusted soils, improper planting depth, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress.

SAFFLOWER

Perseus SC may be applied preemergence to safflower for residual preemergence weed control. Use **Perseus SC** as part of a weed control program in safflower either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds.

Before applying to safflower, verify with your local seed company (supplier), university extension specialist (e.g., weed scientist, county agent, etc.), or Viriterra Inc. representative the selectivity of **Perseus SC** on your hybrid/variety to avoid potential injury.

Application Rate

Apply **Perseus SC** in safflower at the residual rates provided in **Table 16**.

Table 16. Residual Rates of Perseus SC in Safflower

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Preemergence	DO NOT USE	1.75 to 2.5 fl oz (0.057 to 0.081 lb ai)	1.75 to 2.5 fl oz (0.057 to 0.081 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may only be applied in a single application.

Preemergence Surface Application

Apply **Perseus SC** at use rates specified in **Table 16** as a broadcast spray to the soil surface after planting and before crop emergence.

Crop-specific Restrictions

- **DO NOT** apply more than 2.5 fl oz (0.081 lb ai)/A of **Perseus SC** in a single application.
- Maximum number of applications per year: 1
- **DO NOT** apply more than 2.5 fl oz (0.081 lb ai)/A of **Perseus SC** per year.
- **DO NOT** apply **Perseus SC** preplant or preplant incorporated to safflower.
- **DO NOT** apply **Perseus SC** to safflower at cracking or cotyledon stage.
- There is no required (preharvest) interval between a preemergence application of **Perseus SC** and safflower harvest.

Crop-specific Precautions

- **Safflower seed quality** – Plant high quality seed.
- **Seedbed preparation** – The seedbed **MUST** be prepared to ensure good seed row closure and soil coverage of the seed.
- The use of **Perseus SC** may result in temporary growth suppression or leaf burn in safflower under stressful conditions including inadequate or excessive soil moisture or rainfall, cool and hot temperatures, compacted or crusted soils, improper planting depth, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress.
- If **Perseus SC** is tank mixed with another herbicide other than glyphosate or a graminicide, use a lower rate within the **Perseus SC** rate range for the application timing and soil texture (as specified in **Table 16**).

SOYBEAN

Perseus SC may be applied preplant surface, preplant incorporated, preemergence, early postemergence, or in the fall to soybean for residual preemergence control of listed weeds (**Table 1**). Use **Perseus SC** as part of a weed control program in soybean either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds. Before applying to soybean, verify with your local seed company (supplier) the selectivity of **Perseus SC** on your variety to avoid potential injury.

Application Rate

Apply **Perseus SC** in soybean at the residual rates in **Table 17**.

Table 17. Residual Rates of Perseus SC in Soybean

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Preplant Surface	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)	3.25 to 5.0 fl oz (0.106 to 0.163 lb ai)	4.0 to 5.75 fl oz (0.13 to 0.187 lb ai)
Preplant Incorporated	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)	3.25 to 5.0 fl oz (0.106 to 0.163 lb ai)	4.0 to 5.75 fl oz (0.13 to 0.187 lb ai)
Preemergence	2.5 to 3.5 fl oz (0.081 to 0.114 lb ai)	3.25 to 5.0 fl oz (0.106 to 0.163 lb ai)	4.0 to 5.75 fl oz (0.13 to 0.187 lb ai)
Early Postemergence	1.75 to 3.5 fl oz (0.057 to 0.114 lb ai)	2.5 to 5.0 fl oz (0.081 to 0.163 lb ai)	3.25 to 5.75 fl oz (0.106 to 0.187 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may be applied in a single application or in sequential applications.

Fall/Winter Application

For controlling weeds germinating in the fall, or winter annual weeds **Perseus SC** may be broadcast surface applied in the fall or winter to control winter annual weeds and other weeds germinating in the fall. Use on coarse, medium, or fine soils at rates listed for the preplant surface timing. Sequential preemergence and/or postemergence applications can be made, but **DO NOT** exceed the maximum cumulative rate allowed by soil type per year. See the main **Application Timings** section of this label for further application instructions.

Early Preplant Surface Application (within 15 to 45 days of planting)

Use application rates in **Table 17** when making preplant surface applications, using the highest application rate for a given soil texture. Preplant surface applications are not advised on coarse soils or in areas where average annual rainfall (or rainfall plus irrigation) typically exceeds 40 inches.

Preplant Surface or Preplant Incorporated Application (within 14 days of planting)

Apply **Perseus SC** at the use rates specified in **Table 17** as a broadcast spray to the soil surface or incorporated before planting on all soil types.

Preemergence Surface Application

Apply **Perseus SC** at use rates specified in **Table 17** as a broadcast spray to the soil surface after planting and before crop emergence.

Early Postemergence Application

Apply **Perseus SC** at use rates specified in **Table 17** as a postemergence broadcast spray to soybean from emergence (cracking stage) to sixth-trifoliate leaf stage.

Perseus SC applications to emerged soybeans may result in temporary leaf burn and stunting, but a reduction in soybean yield is unexpected. Tank mixes of **Perseus SC** with other crop protection products or adjuvants may significantly enhance this effect. Depending upon growing conditions, recovery from this injury begins immediately but may take several weeks for the injury to dissipate entirely.

Sequential Application

If a sequential application program of **Perseus SC** is used (e.g. fall application followed by spring application, or sequential applications in the spring), the maximum combined rate of **Perseus SC** that may be applied per year is 3.5 fl oz (0.114 lb ai)/A on coarse soils or 5.75 fl oz (0.187 lb ai)/A on medium-to-fine soils.

Crop-specific Restrictions

• On coarse soil

- **DO NOT** apply more than 3.5 fl oz (0.114 lb ai)/A of **Perseus SC** in a single application or as a maximum cumulative amount from sequential applications in soybean per year.

- **On medium soil**
 - **DO NOT** apply more than 5.0 fl oz (0.163 lb ai)/A of **Perseus SC** in a single application.
 - **DO NOT** apply more than a maximum cumulative amount of 5.75 fl oz (0.187 lb ai)/A of **Perseus SC** from sequential applications in soybean per year.
- **On fine soil**
 - **DO NOT** apply more than 5.75 fl oz (0.187 lb ai)/A of **Perseus SC** in a single application or as a maximum cumulative amount from sequential applications in soybean per year.
- Maximum number of applications per year: 2 (when applying rates less than single application maximum rate)
- Separate sequential applications by at least 14 days.
- There is no required (preharvest) interval between a preplant, preemergence, or early postemergence application of **Perseus SC** and the harvest of soybean grain.

Crop-specific Precautions

- **Seeding depth** – Soybean seed must be planted a minimum 1-inch deep.
- The use of **Perseus SC** may result in temporary growth suppression in soybean if extreme conditions of high rainfall and extended periods of water-saturated soil occur during soybean germination or early seedling development.

SUNFLOWER

Perseus SC may be applied preplant surface, preemergence, or early postemergence to sunflower for residual preemergence control of listed weeds (Table 1). Use **Perseus SC** as part of a weed control program in sunflower either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds. Before applying to sunflower, verify with your local seed company (supplier), university extension specialist (e.g. weed scientist, county agent, etc.), or Viriterra Inc. representative the selectivity of **Perseus SC** on your hybrid/variety to avoid potential injury.

Application Rate

Apply **Perseus SC** in sunflower at the residual rates provided in Table 18.

Table 18. Residual Rates of Perseus SC in Sunflower

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Preplant Surface	1.75 to 2.5 fl oz (0.057 to 0.081 lb ai)	2.5 to 5.0 fl oz (0.081 to 0.163 lb ai)	5.0 to 6.5 fl oz (0.163 to 0.212 lb ai)
Preemergence	1.75 to 2.5 fl oz (0.057 to 0.081 lb ai)	2.5 to 5.0 fl oz (0.081 to 0.163 lb ai)	5.0 to 6.5 fl oz (0.163 to 0.212 lb ai)
Early Postemergence	1.75 to 2.5 fl oz (0.057 to 0.081 lb ai)	1.75 to 3.25 fl oz (0.057 to 0.106 lb ai)	1.75 to 3.25 fl oz (0.057 to 0.106 lb ai)

¹ Refer to Table 3 for definition of soil-texture groups.

Application Timing

Perseus SC may be applied in a single application or in sequential applications.

Fall/Winter Application

For controlling weeds germinating in the fall, or winter annual weeds **Perseus SC** may be broadcast surface applied in the fall or winter to control winter annual weeds and other weeds germinating in the fall. Use on coarse, medium, or fine soils at rates listed for the preplant surface timing. Sequential preemergence and/or postemergence applications can be made, but **DO NOT** exceed the maximum cumulative rate allowed by soil type per year. See the main **Application Timings** section of this label for further application instructions.

Early Preplant Surface Application (within 15 to 45 days of planting)

Use application rates in Table 18 when making preplant surface applications, using the highest application rate within the rate range for a given soil texture. Preplant surface applications are not advised on coarse soils or in areas where average annual rainfall (or rainfall plus irrigation) typically exceeds 40 inches.

Preplant Surface Application (within 14 days of planting)

Apply **Perseus SC** at the use rates specified in Table 18 as a broadcast spray to the soil surface before planting on all soil types.

Preemergence Surface Application

Apply **Perseus SC** at use rates specified in Table 18 as a broadcast spray to the soil surface after planting and before crop emergence.

Early Postemergence Application

Apply **Perseus SC** at use rates specified in Table 18 as a broadcast spray to sunflower from first true leaf (leaf at least 1.5 inches long, V1 stage) through eight leaf stage (V8). **Perseus SC** applications to emerged sunflower may result in temporary leaf burn and stunting, but a reduction in sunflower yield is unexpected.

Adjuvants may be applied with **Perseus SC** when making early postemergence applications.

Sequential Applications

If a sequential application program of **Perseus SC** is used (e.g. fall application followed by spring application, or sequential spring applications including preplant surface or preemergence application followed by postemergence application or consecutive postemergence applications), the maximum combined rate of **Perseus SC** that may be applied per year is 2.5 fl oz (0.081 lb ai)/A on coarse soils and 8.25 fl oz (0.269 lb ai)/A on medium-to-fine soils.

Crop-specific Restrictions

- **On coarse soil**
 - **DO NOT** apply more than 2.5 fl oz (0.081 lb ai)/A of **Perseus SC** in a single application or as a maximum cumulative amount from sequential applications in sunflower per year.
- **On all soils other than coarse**
 - **DO NOT** apply more than 6.5 fl oz (0.212 lb ai)/A of **Perseus SC** in a single application.
 - **DO NOT** apply more than a maximum cumulative amount of 8.25 fl oz (0.269 lb ai)/A of **Perseus SC** from sequential applications in sunflower per year.
- Maximum number of applications per year: 3 (when applying rates less than single application maximum rate)
- Separate sequential applications by at least 14 days.
- **DO NOT** apply **Perseus SC** preplant incorporated to sunflower.
- **DO NOT** apply **Perseus SC** to sunflower at cracking or cotyledon stage.
- **DO NOT** apply a tank mix of **Perseus SC** and **Beyond® herbicide** (imazamox) on **Clearfield®** sunflower hybrids/varieties.
- There is no required (preharvest) interval between a pre-plant and preemergence application of **Perseus SC** and sunflower harvest.
- **DO NOT** apply **Perseus SC** postemergence less than 60 days before harvest of sunflower seed.

Crop-specific Precautions

- **Sunflower seed quality** – Plant high quality seed.
- **Seedbed preparation** – The seedbed **MUST** be prepared to ensure good seed row closure and soil coverage of the seed.
- The use of **Perseus SC** may result in temporary growth suppression or leaf burn in sunflower under stressful conditions including inadequate or excessive soil moisture or rainfall, cool and hot temperatures, compacted or crusted soils, improper planting depth, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress.
- If **Perseus SC** is tank mixed with another herbicide other than glyphosate or a graminicide, use a lower rate within the **Perseus SC** rate range for the application timing and soil texture (as specified in **Table 18**).

WHEAT

Perseus SC may be applied delayed preemergence, or early postemergence in fall-seeded or spring-seeded wheat for residual preemergence control or suppression of listed weeds (**Table 2**) and suppression of other listed weeds (**Table 1**). Use **Perseus SC** as part of a weed control program in wheat either in combination or sequentially with other herbicides for a broader spectrum of weed control and/or control of emerged weeds.

Crop Response

Perseus SC applied preplant surface or preemergence can cause wheat injury. Under stressful conditions (including inadequate or excessive moisture, cool or hot temperatures, compacted soils, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, low soil pH induced aluminum toxicity, or other conditions known to cause plant stress), **Perseus SC** injury will be intensified.

No crop injury is expected when **Perseus SC** is applied delayed preemergence or early postemergence. However, some visual wheat response is possible when **Perseus SC** is applied to wheat under stressful conditions including inadequate or excessive moisture, cool or hot temperatures, compacted soils, injury from other pesticides, disease or other pest damage, mechanical injury, nutrient imbalances, or other conditions known to cause plant stress.

Wheat response is most often visible as stunting and/or discoloration of leaf tissue (e.g. chlorosis), but in its most severe form can result in stand loss and yield reduction. The greatest potential for wheat response occurs when **Perseus SC** concentrates in the crop row. Unacceptable wheat response may be caused by uneven application, soil clods or disturbances, an open/cracked seed furrow that allows herbicide to directly contact the seed, or a deep seed furrow that allows herbicide concentration after a rain/irrigation event during wheat germination.

Certain wheat varieties can be more sensitive to **Perseus SC**. Before applying to wheat, verify sensitivity with your local seed company (supplier), university extension specialist (e.g. wheat breeder, weed scientist, county agent, etc.), or Virterra Inc. representative.

Application Rate

Apply **Perseus SC** in wheat at the residual rates in **Table 19**.

Table 19. Residual Rates of Perseus SC in Wheat

Application Timing	Use Rate Per Acre by Soil Texture ¹		
	Coarse	Medium	Fine
Delayed preemergence	1.25 to 1.75 fl oz (0.041 to 0.057 lb ai)	1.75 to 2.5 fl oz (0.057 to 0.081 lb ai)	1.75 to 3.25 fl oz (0.057 to 0.106 lb ai)
Early postemergence	1.75 to 4.0 lb ai (0.057 to 0.13 lb ai)	1.75 to 4.0 fl oz (0.057 to 0.13 lb ai)	1.75 to 4.0 fl oz (0.057 to 0.13 lb ai)

¹ Refer to **Table 3** for definition of soil-texture groups.

Application Timing

Perseus SC may be applied in a single application or in sequential applications relative to the growth stage of wheat.

Preplant Surface Application

Apply **Perseus SC** at the use rates specified in **Table 19** as a broadcast spray to the soil surface no more than 14 days before planting on all soil types. Soil disturbance after application from planters/drills may result in herbicide incorporation that can result in unacceptable crop injury, or displacement of **Perseus SC** that can result in inconsistent weed control. See **State-specific Use Instructions** for applications in Idaho, Montana, Oregon, and Washington.

Preemergence Surface Application

Apply **Perseus SC** at the use rates specified in **Table 19** after planting but before wheat spiking as a broadcast spray to the soil surface with uniform seedbed that is firm and free of clods. Ensure good seed row closure and soil coverage to avoid contact with **Perseus SC**. As the interval from planting to application increases, the potential for crop injury decreases. See **State-specific Use Instructions** for applications in Idaho, Montana, Oregon, and Washington.

Delayed Preemergence Surface Application

Apply **Perseus SC** at the use rates specified in **Table 19** as a broadcast spray to the soil surface following wheat planting when 80% of germinated wheat seeds have a shoot at least 1/2-inch long until wheat spiking.

Early Postemergence Application

Apply **Perseus SC** at the use rates specified in **Table 19** as a broadcast spray to wheat at spiking up to the 4th-tiller growth stage. **Perseus SC** will only suppress or control labeled weeds that germinate after the early postemergence application and rainfall/irrigation activation.

Apply **Perseus SC** as early as possible after wheat emergence to prevent weed emergence.

Sequential Application

Perseus SC may be applied as a sequential or split application program where a preplant, preemergence, or delayed preemergence application is followed by an early postemergence application or where multiple early postemergence applications are made. **DO NOT** apply more than a maximum cumulative amount of 4.0 fl oz (0.13 lb ai)/A per year.

State-specific Use Instructions for Preplant and Preemergence Applications in Idaho, Montana, Oregon, and Washington

Apply **Perseus SC** preplant surface or preemergence in fall-seeded winter wheat for residual weed control. Apply **Perseus SC** only to a uniform seedbed that is firm and free of clods, cracks, excess trash (previous crop residue), and weed growth. The seedbed **MUST** be prepared to ensure good seed row closure and soil coverage of the seed. Open furrows or poor furrow closure can result in crop injury. Use high quality seed. Plant seed at least 1-inch deep, but not greater than 1.5-inches deep to avoid crop injury. Avoid planting seed into loose, powdery soil because unacceptable crop injury may result if soil settles and final planting depth is less than 1-inch. Apply **Perseus SC** preplant surface or preemergence at 1.75 to 3.25 fl oz (0.057 to 0.106 lb ai)/A on medium soils and at 2.0 to 3.25 fl oz (0.065 to 0.106 lb ai)/A on fine soils. Avoid application to soils with less than 2% organic matter and/or pH greater than 7.5 because unacceptable crop injury may occur. Follow all other application instructions and restrictions and limitations for preplant and preemergence applications of **Perseus SC** in wheat.

State-specific Use Restrictions in Idaho, Montana, Oregon, and Washington

- **DO NOT** apply on spring wheat and **DO NOT** apply on coarse soils in Idaho, Montana, Oregon, and Washington.

Crop-specific Restrictions

- **DO NOT** apply more than 4.0 fl oz (0.13 lb ai)/A of **Perseus SC** in a single application or as a maximum cumulative amount of from sequential applications in wheat per year.
- Maximum number of applications per year: 2 (when applying rates less than single application maximum rate)
- Separate sequential applications by at least 14 days.
- **DO NOT** apply **Perseus SC** to durum wheat.
- **DO NOT** seed wheat deeper than 1.5 inches after a preplant application or before a preemergence or delayed preemergence application.
- **DO NOT** apply **Perseus SC** to flooded fields or saturated soils.
- **DO NOT** apply preemergence if 1/4 inch or more rain is expected within 48 hours after application.
- **DO NOT** irrigate fields after a preemergence or delayed preemergence application until wheat spiking.
- **DO NOT** apply preplant, preemergence, or delayed preemergence to broadcast-seeded wheat.
- **DO NOT** apply **Perseus SC** preplant incorporated in wheat.
- Wheat forage and hay can be fed or grazed 7 or more days after application.

Crop-specific Precautions

- Apply **Perseus SC** only to a uniform seedbed that is firm and free of clods, cracks, excess trash (previous crop residue), and weed growth. The seedbed **MUST** be prepared to ensure good seed row closure and soil coverage of the seed. Open furrows or poor furrow closure can result in crop injury. Use high quality seed. Plant seed at least 3/4-inch deep to avoid crop injury.
- The use of **Perseus SC** in wheat may result in temporary or sustained growth suppression and chlorosis if high rainfall or irrigation leads to extended periods of water-saturated soil during early seedling development. To reduce crop response, avoid applying **Perseus SC** if a long period of rain is expected before wheat emergence.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE

DO NOT use or store near heat or open flame. Store in original container, in well-ventilated area separately from fertilizer, feed, or foodstuffs. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING

Non-Refillable Plastic Containers ≤5 gal.: Nonrefillable container. Do not reuse or refill this container. 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 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 incineration.

CONDITIONS OF SALE AND WARRANTY

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of Viriterra Inc. or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

Viriterra Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND VIRITERRA'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VIRITERRA INC. AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

Viriterra Inc. and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of Viriterra Inc.

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20260512

Perseus™ SC

A selective residual herbicide for use in agricultural crops

Active Ingredient:

% BY WT.

pyroxasulfone: 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole41.46%

Other Ingredients:58.54%

Total:100.00%

Contains 4.17 pounds of pyroxasulfone per gallon formulated as a water-based suspension concentrate

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

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.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Harmful if absorbed through skin. 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.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: DO NOT use or store near heat or open flame. Store in original container, in well-ventilated area separately from fertilizer, feed, or foodstuffs. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

Shake container well before use.

EPA Reg. No. 104582-2

EPA Est. No. 70815-GA-2



**VIRITERRA
INC.**

**SOLUTIONS VIA
INNOVATION**

Manufactured By:

Viritterra Inc.

9121 Anson Way, Suite 200
Raleigh, NC, 27615

Net Contents:
2.5 gallons