

Chickweed, Common	<i>Stellaria media</i>	Winter annual
Chickweed, Mouseear	<i>Cerastium fontanum vulgare</i>	Perennial
Dollarweed (Water Pennywort)	<i>Hydrocotyle umbellata</i>	Perennial
Eclipta	<i>Eclipta prostrata</i>	Annual
Geranium, Carolina	<i>Geranium carolinianum</i>	Winter annual
Henbit	<i>Lamium amplexicaule</i>	Winter annual
Knawel	<i>Scleranthus annuus</i>	Winter annual
Lawn Burweed	<i>Soliva sessilis</i>	Winter annual
Parsley-piert	<i>Aphanes arvensis</i>	Winter annual
Pigweed species	<i>Amaranthus</i> spp.	Annual
Sorrel, Red	<i>Rumex acetosella</i>	Perennial
Wild Garlic	<i>Allium vineale</i>	Winter perennial
Wild Onion	<i>Allium canadense</i>	Winter perennial
WEED SPECIES CONTROLLED BY A MINIMUM OF 0.75 FL. OZ. PER 1,000 SQ. FT. (0.0086 lbs imazaquin/1000 sq. ft. and 0.0043 lbs sulfentrazone/1000 sq. ft.)		
Common Name	Genus / species	Life Cycle
Bedstraw, Catchweed	<i>Galium aparine</i>	Annual
Beggarweed, Florida	<i>Desmodium tortuosum</i>	Annual / Perennial
Cinquefoil	<i>Potentilla</i> spp.	Perennial
Clover	<i>Trifolium</i> spp.	Perennial
Copperleaf	<i>Acalypha</i> spp.	Perennial
Cudweed species	<i>Gnaphalium</i> spp.	Annual / Biennial
Curly Dock	<i>Rumex crispus</i>	Perennial
Dandelion	<i>Taraxacum officinale</i>	Perennial
Dovestool (Dovefoot Geranium)	<i>Geranium molle</i>	Winter annual
Fiddleneck	<i>Amsinckia</i> spp.	Winter Annual
Field Sandbur	<i>Cenchrus spinifex</i>	Annual/short-lived perennial
Filaree	<i>Erodium</i> spp.	Winter Annual / Biennial
Galinsoga	<i>Galinsoga ciliate</i>	Annual
Goldenrod	<i>Solidago</i> spp.	Perennial
Ground Ivy	<i>Glechoma hederacea</i>	Perennial
Groundsel, Common	<i>Senecio vulgaris</i>	Annual / Biennial
Hairy Bittercress	<i>Cardamine hirsuta</i>	Winter annual
Knotweed, Prostrate	<i>Polygonum aviculare</i>	Annual / Perennial
Kochia	<i>Bassia scoparia</i>	Annual
Lambsquarters, Common	<i>Chenopodium album</i>	Annual
Lespedeza, Common	<i>Kummerowia striata</i>	Annual
Mallow, Common	<i>Malva neglecta</i>	Winter Annual / Biennial
Perennial Ryegrass	<i>Lolium perenne</i>	Perennial
Pineapple-weed	<i>Matricaria discoidea</i>	Annual
Plantain, Buckhorn	<i>Plantago lanceolata</i>	Annual / Biennial / Perennial
Evening-primrose, Cutleaf	<i>Oenothera laciniata</i>	Winter annual
Evening-primrose, Common	<i>Oenothera biennis</i>	Biennial
Puncturevine	<i>Tribulus terrestris</i>	Annual
Purple Deadnettle	<i>Lamium purpureum</i>	Winter annual
Purslane, Common	<i>Portulaca oleracea</i>	Annual
Pusley, Florida	<i>Richardia scabra</i>	Annual
Redweed	<i>Melochia corchorifolia</i>	Annual
Rocket, London	<i>Sisymbrium irio</i>	Annual

Sheperd's-purse	<i>Capsella bursa-pastoris</i>	Annual
Smartweed, Pennsylvania	<i>Persicaria pennsylvanica</i>	Annual
Speedwell	<i>Veronica</i> spp.	Winter annual
Spurge	<i>Euphorbia</i> spp.	Annual
Spurge, Prostrate	<i>Euphorbia prostrata</i>	Annual
Spurge, Spotted	<i>Euphorbia maculata</i>	Annual
Star-of-Bethlehem	<i>Omithogalum umbellatum</i>	Perennial
Velvetleaf	<i>Abutilon theophrasti</i>	Annual
Violet, Common Blue	<i>Viola sororia</i>	Winter Annual / Perennial
White Clover	<i>Trifolium repens</i>	Perennial
Woodsorrel, Creeping	<i>Oxalis corniculata</i>	Annual / Perennial
Woodsorrel, Yellow	<i>Oxalis stricta</i>	Perennial
WEED SPECIES SUPPRESSED BY A MINIMUM OF 1.0 FL. OZ. PER 1,000 SQ. FT. (0.0115 lbs imazaquin/1000 sq. ft. and 0.0057 lbs sulfentrazone/1000 sq. ft.)		
Common Name	Genus / species	Life Cycle
Annual Bluegrass	<i>Poa annua</i>	Winter annual
Annual Sedge	<i>Cyperus compressus</i>	Annual
Bahiagrass	<i>Paspalum notatum</i>	Perennial
Crabgrass species	<i>Digitaria</i> spp.	Annual
Cudweed, Purple	<i>Gamochaeta purpurea</i>	Annual/Biennial
Goosegrass	<i>Eleusine indica</i>	Annual
Tall Fescue	<i>Lolium arundinaceum</i>	Perennial
Virginia buttonweed	<i>Diodia virginiana</i>	Perennial
<i>Weed names are listed according to the Composite List of Weeds by the Weed Science Society of America</i>		

Additional turfgrass weeds controlled with sequential applications:

Sequential applications will provide control of the following weeds when 3 applications of Surepyc IQ are made at 0.5 fl. oz. (0.0057 lbs imazaquin and 0.0029 lbs sulfentrazone) per 1,000 sq. ft. Applications need to be made at two to four week intervals.

WEED SPECIES CONTROLLED BY 3 APPLICATIONS OF 0.5 FL. OZ. PER 1,000 SQ. FT. (0.0057 lbs imazaquin/1000 sq. ft. and 0.0029 lbs sulfentrazone/1000 sq. ft.)			
Common Name	Genus / species	Life Cycle	Initial Application Timing
Doveweed	<i>Murdannia nudiflora</i>	Summer Annual/ Perennial	Mid-June to early July

TURFGRASS APPLICATION DILUTION CHART

Application Volume (Gallons per 1,000 Sq. Ft.)	Application Rate		Fluid Ozs. of Surepyc IQ Diluted to These Volumes of Finished Spray			
	Product per 1,000 SQFT	Product Per Acre	25 Gallons	50 Gallons	100 Gallons	200 Gallons
0.5	0.5	21.78	25	50.	100	200
	0.75	32.67.	37.5	75	150	300

	1.0	43.56	50	100	200	400
0.75	0.5	21.78	16.67	33.33	66.67.	133.33
	0.75	32.67	25	50.	100	200
	1.0	43.56	33.33	66.67	133.33	266.67
1	0.5	21.78	12.5	25	50	100
	0.75	32.67	18.75	37.5	75	150
	1.0	43.56	25	50	100	200.
2	0.5	21.78	6.25	12.5	25	50
	0.75	32.67	9.38	18.75	37.5	75
	1.0	43.56	12.5	25	50	100

RESISTANCE MANAGEMENT

IMAZAQUIN	GROUP	2	HERBICIDE
SULFENTRAZONE	GROUP	14	HERBICIDE

Surepqc IQ contains active ingredients that inhibit acetolactate synthase and protoporphyrinogen oxidase. To maintain the long-term effectiveness of Surepqc IQ, it should be incorporated into a weed management program that utilizes as many different modes of action as possible to control target weeds. Agronomic and cultural practices that reduce overall weed pressure are a critical component of resistance management. Contact your local university cooperative extension service or pest management consultant for information on resistance management.

Areas to be treated should be scouted prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective. The treated area should be observed one month after application to verify that the treatment was effective. Report any incidence of non-performance of this product against a particular weed species to your AMVAC representative or call 1-888-462-6822. If resistance is suspected, treat weed escapes with an herbicide that has a different mode of action. Difficult to control weeds may require sequential application of herbicides and multiple modes of action. Apply this product at the correct timing and application rate to control the most difficult weed in the area being treated.

Contact your local sales representative, turf consultant or extension agent to find out if suspected resistant weeds to these modes of action have been found in your region. **DO NOT** assume that each listed weed (other than Kyllingas and sedges) is being controlled by multiple modes of action. Some weeds may be controlled by only one active ingredient in this product.

SPRAY DRIFT MANAGEMENT

MANDATORY SPRAY DRIFT GROUND BOOM AND BOOM-LESS APPLICATIONS

- User must only apply with the release height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 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.

Boom-less Ground Applications: setting nozzles at the lowest effective height will help reduce the potential for spray drift.

Handheld Technology Applications: take precautions to minimize spray drift.

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 - 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 recommended 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.

BOOM HEIGHT: Ground boom: For ground equipment, the boom should remain level with the crop and have minimal bounce.

WIND: Drift potential generally increase 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.

SHIELDED SPRAYERS: Boom or nozzle shielding can reduce the effects of wind or air currents on drift. Consider using shielded sprayers. Verify that shields do not interfere with uniform deposition of product before application.

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.

USES WITH OTHER PRODUCTS (TANK-MIXES)

To the extent consistent with applicable law if Surepyc IQ is used in combination with any other product not specifically directed in writing by AMVAC then AMVAC shall have no liability for any loss, damage, or injury arising out of its use. To the extent consistent with applicable law if Surepyc IQ is used in a combination directed by AMVAC in writing the liability of AMVAC shall, in no manner, extend to any damage, loss or injury not directly caused by the inclusion of the AMVAC product in such combination use. In any event and to the extent consistent with applicable law liability will be limited per the warranty terms stated elsewhere on this label.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. **DO NOT** put concentrate or dilute material into food or drink containers.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call CHEMTREC: 1-800-424-9300.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. **DO NOT** contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Empty containers retain vapor and product residues

Plastic Containers (five gallons or less): Nonrefillable container. **DO NOT** reuse or refill this container. 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 $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions. THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

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