SHERIDAN 25 WG

Group 2 Herbicide

Herbicide for Selective Post-Emergence Control of Actively Growing Weeds in Peanuts, Soybeans and Non-Crop Areas

DISPERSIBLE GRANULES

ACTIVE INGREDIENT:	(% by weight)
Chlorimuron Ethyl*	
Ethyl 2-[[[[(4-chloro-6-methoxypyrimidin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate	25.0%
OTHER INGREDIENTS:	75.0%
TOTAL:	100.0%

*Contains 0.0156 pounds of Chlorimuron Ethyl per ounce of product.

EPA Reg. No. 74530-68
EPA Est. No. 62171-MS-001

KEEP OUT OF REACH OF CHILDREN
CAUTION

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

See label booklet for First Aid, Precautionary Statements and Directions for Use including Storage and Disposal.

NET CONTENT
10 ounce

Manufactured For
HELM Agro US, Inc.
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Tampa, FL 33602
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FIRST AID

IF IN EYES	Hold open eye and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

HOT LINE

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Chemical Emergency Assistance (Spill, Leak, Fire or Accident) call CHEMTREC at 1-800-424-9300.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION / PRECAUCION

Causes moderate eye irritation. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks,
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

See engineering controls for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water.

Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agriculture pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Important: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- 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 cleaning equipment or disposing of equipment washwater or rinsate. **DO NOT** apply where or when conditions favor runoff.

PRODUCT INFORMATION

This product provides selective post-emergence control of actively growing weeds in peanuts, soybeans and non-crop areas. This product has a flexible rate range, depending on weed size and spectrum. This product may be tank mixed with glyphosate products or other registered soybeans herbicides for increased weed control. Include a spray adjuvant as specified in this label for peanuts or soybeans. This product may be applied by ground (broadcast or band) or by air. Certain crop rotation and pH restrictions apply. See Rotational Crop Guidelines for more details. Always read and follow label directions for use.

DIRECTIONS FOR USE

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

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, and shoes plus socks.

This product must be used only in accordance with directions on this label.

This product is a dispersible granule formulation to be mixed with water and sprayed for selective post-emergence weed control of many broadleaf weeds and yellow nutsedge in peanuts, soybeans , and non-crop areas.

DO NOT apply this product through any type of irrigation system.

Use only in the geographies identified in the "Rotational Crop Guidelines" section of this label.

INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

RESISTANCE

SHERIDAN 25 WG contains the active ingredient chlorimuron ethyl, a Group 2 herbicide based on the mode of action classification system of the Weed Science Society of America. Naturally-occurring resistant weed biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in a field when herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field. If weed control is unsatisfactory and cannot be attributed to adverse weather conditions or improper application methods a resistant biotype may be present. In such a case, additional treatments with this herbicide or similar mode of action products are not recommended.

It may be necessary to retreat the problem area using a product affecting a different site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.

APPLICATION INFORMATION
PESTICIDE HANDLING

- Make scheduled checks of spray equipment to ensure it is in good working order.
- Calibrate sprayers only with clean water away from well site.
- Ensure that all operation employees accurately measure pesticides.
- Mix only enough product for the job at hand.
- Avoid overfilling of spray tank.
- DO NOT discharge excess material on the soil at a single spot in the field or mixing/loading station.
- Dilute and agitate excess solution and apply at labeled rates or uses.
- Avoid storage of pesticides near well sites.
- When triple-rinsing the pesticide container, be sure to add the rinsate to the spray mix.

GROUND APPLICATION - (See Also Spray Drift Management)

Broadcast Application

- Use a minimum of 10 gallons of water per acre in post-emergence applications. Under heavy weed pressure or dense crop foliage, increase minimum spray volume to 15 to 25 gallons per acre. For best performance, select nozzle and pressure combinations that deliver medium to coarse spray droplets, as indicated, for example, by ASAE standard S572.
- Use a minimum of 10 gallons of water per acre for pre-emergence applications in soybeans. For best performance, select nozzle and pressure combinations that deliver coarse to very coarse spray droplets, as indicated, for example, by ASAE standard S572.
- Use a minimum of 15 gallons of water per acre for burndown applications of existing vegetation. For large weeds and/or heavy residue, increase gallonage to ensure coverage. For best performance, select nozzle and pressure combinations that deliver medium to coarse spray droplets, as indicated, for example, by ASAE standard S572.

Band Application

- Because band applicators spray a narrower area than broadcast applicators, use proportionately less spray solution for band applications.
- Carefully calibrate the band applicator and DO NOT exceed the labeled rate.
- Flat fan nozzles are preferred.
- Carefully follow the nozzle manufacturer's instructions for nozzle orientation, distance of the nozzles from the crop and weeds, spray volumes, calibration, and spray pressure for band applications.

AERIAL APPLICATION - (See Also Spray Drift Management)

Aerial Application

- Use nozzle types and arrangements that will provide optimum spray distribution and maximum coverage at 3 to 5 gallons per acre.
- Use a minimum of 3 gallons of water per acre. Under heavy weed pressure or dense crop foliage, increase the minimum spray volume to 5 gallons per acre.
- DO NOT apply during a temperature inversion, when winds are gusty, or when other conditions could produce poor coverage and/or off-target spray movement.

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

This product rapidly inhibits the growth of susceptible weeds. Leaves of susceptible plants yellow 3 to 5 days after application, followed, in controlled plants, by the death of the growing point. This product will provide complete control of susceptible weeds in 7 to 21 days. Suppressed plants may remain green but will be stunted and noncompetitive.

This product will provide best results when applied to young, actively growing weeds. Degree of control depends on:

- growing conditions at and following treatment
- soil moisture/precipitation
- spray adjuvants.
- rate used
- weed spectrum
- weed size (if weeds are large, use higher rates and spray volume)

Treating weeds under stress or large weeds may result in only partial control. Stress may be caused by:

- abnormal weather (hot or cold)
- disease
- drought
- insect injury
- mechanical injury from cultivation
- prior herbicide injury
- water-saturated soil.

Stress affects some weeds, such as pigweed, more than others. Delay application until stress passes and weeds start to grow again. Severe stress (drought, disease, insect damage, or nutrient deficiency such as iron chlorosis) following application may also result in crop injury and/or poor weed control.

DO NOT apply this product if rain is expected within 1 hour or weed control may decrease.

ROTATIONAL CROP GUIDELINES

Important: Crops other than peanuts or soybeans planted the season following a SHERIDAN 25 WG application can vary in their sensitivity to low concentrations of SHERIDAN 25 WG remaining in the soil.

Crop rotation intervals noted in the table below are based on crops grown under favorable growing conditions. Crops grown under unfavorable environmental conditions, such as drought, nutrient deficiency, high salts, disease and insect pressure may demonstrate reduced tolerance to crop protection chemicals. When deciding on a particular crop to replant in your fields, carefully consider your particular soil and other field conditions.

- Rotation or crop intervals must be followed.
- When this product is applied in sequence with CANOPY® or CANOPY XL®, follow the crop rotational guidelines listed on the CANOPY® and CANOPY XL® labels.

Central Region: The states of Delaware, Illinois, Indiana, Iowa (east of State Route 63 or south of I-80), Kansas, Maryland, Michigan, Missouri (except the Bootheel), Nebraska (fields south of Route 30 and east of Route 281), New Jersey, New York (fields south of Interstate 90), Ohio, Pennsylvania ,Virginia, West Virginia and Wisconsin (fields south of Interstate 90 between Lacrosse and Madison and fields south of Interstate 94 between Madison and Milwaukee).

Northern Region: The states of Iowa (west of State Route 63 and north of I-80), Minnesota, Nebraska (fields north of route 30 and west of Route 281), New York (fields north of Interstate 90), South Dakota and Wisconsin (fields north of Interstate 90 between Lacrosse and Madison and fields north of Interstate 94 between Madison and Milwaukee).

Southern Region: The states of Alabama (except the "Black Belt" where soil pH must be less than 7.0), Arkansas, Florida, Georgia, Kentucky, Louisiana, Missouri (Bootheel region only), Mississippi (except the "Black Belt" where soil pH must be less than 7.0), North Carolina, Oklahoma, South Carolina, Tennessee and Texas (fields east of Route 183).

RECROP INTERVALS*

RECROP INTERVAL 1

Follow Recrop Interval 1 if:

- The field is located in a Central, Northern, or Southern region state (all pH soils) **AND**
- A single application of SHERIDAN 25 WG with a total rate of no more than 1/3 ounce per acre for the growing season is applied.

Follow Recrop Interval 1 if:

- The field is located in a Northern Region state with soil pH 7.0 or less **AND**
- A maximum of 2 applications of SHERIDAN 25 WG with a total rate of no more than 3/4 ounce per acre for the growing season are applied.

Follow Recrop Interval 1 if:

- The field is located in the Northern Region in the state of Iowa and the soil pH is 7.5 or less **AND**
- A maximum of 1/2 ounce SHERIDAN 25 WG is applied by July 15.

RECROP INTERVAL 2
Follow Recrop Interval 2 if:
- The field is located in a Central Region state (all pH soils) **AND, EITHER**
- A maximum of 2 applications of SHERIDAN 25 WG with a total rate of no more than 1 ounce per acre for the growing season are applied, OR
- A maximum of 1/3 ounce per acre of SHERIDAN 25 WG in sequence with SYNCHRONY® XP are applied.

Follow Recrop Interval 2 if:
- The field is located in a Central Region state with soil pH 7.0 or less **AND, EITHER**
- A maximum of 2 applications of SHERIDAN 25 WG with a total rate of no more than 1.5 ounces per acre for the growing season are applied, OR
- A maximum of 3/4 ounce per acre of SHERIDAN 25 WG in sequence with SYNCHRONY® XP are applied.

RECROP INTERVAL 3
Follow Recrop Interval 3 if:
- The field is located in a Southern Region state (all pH soils except those with pH greater than 7.0 in the Black Belt region of Alabama and Mississippi) AND, EITHER
- A maximum of 2 applications of SHERIDAN 25 WG with a total rate of no more than 1.5 ounces per acre for the growing season are applied, OR
- A maximum of 3/4 ounce per acre of SHERIDAN 25 WG in sequence with SYNCHRONY® XP are applied.

*Take into consideration all chlorimuron-ethyl containing products when determining the recrop interval as they may, increase recrop intervals.

ROTATIONAL INTERVALS FOLLOWING THE USE OF 1/3 TO 1-1/2 OUNCES OF SHERIDAN 25 WG*

CROP	Interval 1	Interval 2	Interval 3
	MONTHS		
Field Crops			
Alfalfa	9	12	9
Beans (Dry and Kidney)	9	9	9
Canola (Rapeseed)	18	18	18
Cereal Grains	3	3	3
Cotton	9	9	8
Field Corn**(States in Central & Northern Regions)	9	9	-
Field Corn**(States of AR, KY, MO – Bootheel only, NC, OK, TN and TX)	-	-	8
Field Corn**(States of AL, FL, GA, LA, MS and SC)	-	-	7
Flax	18	18	18
Lentils	18	18	18
Peanuts	6	15	6
Popcorn	15	9	9
Rice	9	15	9
Sugar Beets	30	30	30
Sunflower	9	18	18
Sweet Corn+ (States in Northern Region)	9	-	-
Sorghum	15	9	9
Soybeans	Anytime	Anytime	Anytime
Tobacco (transplant)	15	9	9
Forage/Hay Crops			
Clover	9	12	9
Pasture Grasses (such as Fescue and Ryegrass)	3	3	3
Vegetable Crops			
Cabbage	18	18	18
Carrots	30	30	30
Cucumber	9	18	18
Mustard	18	18	18
Onion	30	30	30
Peas	9	9	9
Potatoes	30	30	30
Potatoes (NC, VA) ††	-	8††	8††
Pumpkin	18	18	18
Snap Beans	9	9	9
Sweet Potato/Yam	30	30	10
Tomato (transplants)	15	9	9
Watermelon	9	18	18
Any Crop Not Listed	30	30	30

* If SHERIDAN 25 WG or the latter part of a sequential treatment containing chlorimuron ethyl (such as SYNCHRONY® XP) is applied after August 1, extend rotational crop intervals 2 months for alfalfa, clover, corn, cotton, popcorn, rice, sorghum, tobacco, and tomato.
**The term "Field Corn" is defined to include only that corn grown for grain or silage or for seed corn relative to the Rotational Crop Guidelines section of this label.
+ Rotational crop intervals are for processing Sweet Corn varieties only. The rotational crop interval for other Sweet Corn varieties is 18 months.
†† States of NC and VA in soils with organic matter greater than 1%.

THE IMPORTANCE OF SOIL pH

Soil pH varies greatly, even within the same field. Variations in pH as much as 2 pH units are common. Composite soil samples taken across an entire field, such as those samples taken for soil fertility recommendations, may not detect areas of high pH. Subsampling is recommended for areas likely to have pH values higher than the field average. The following is a non-inclusive list of potential high pH areas where subsampling is recommended.

- Where different soil types are evident within a field, sample soil types separately.
- Where conditions vary within a field, sample areas separately, such as:
  - areas bordered by limestone gravel roads,
  - river bottoms subject to flooding,
  - low areas in hardpan soils where evaporative ponds may occur,
  - eroded hillsides,
  - along drain tile lines, and
  - areas where drainage ditch spoil has been spread.
- Where lime has not been deeply incorporated, soil may exhibit significantly higher pH values in the upper 3 inches of soil. Composite soil samples taken at a 6 to 8 inch depth may not reflect the elevated pH near the surface. In these cases shallow sampling, the upper 3 inches, is advised.

Determine soil pH by laboratory analysis using a 1:1 soil : water suspension.

PRODUCT USE RESTRICTIONS

DO NOT apply this product through any type of irrigation system. Injury to or loss of desirable trees or vegetation may result from failure to observe the following:
- Calibrate sprayers only with clean water away from the well site.
- **DO NOT** contaminate any body of water.
- **DO NOT** mix/load, or use within 50 feet of all wells included abandoned wells, drainage wells, and sink holes.
- Avoid storage of pesticides near well sites.
- **DO NOT** use on lawns, walks, driveways, tennis courts, or similar areas.
- **DO NOT** apply this product or drain or flush equipment on or near desirable trees or other plants, on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Prevent spray drift to desirable plants.
- Keep this product from coming in contact with fertilizers, insecticides, fungicides, and seeds during storage.
- Thoroughly clean all application equipment immediately after use and prior to spraying crops other than peanuts or soybeans.

SOYBEAN – SPECIFIC USE INSTRUCTIONS

Timing to Crop Stage: SHERIDAN 25 WG may be applied any time after the first trifoliate has opened but no later than 60 days before soybean maturity.

Timing to Weeds: Application should be made when weeds are young and actively growing (after the first true leaves have expanded, but before the weeds exceed the size indicated below). Applications made to weeds larger than the sizes indicated below, or to weeds under stress may result in unsatisfactory control (see the "Environmental Conditions and Biological Activity" section).

Cultivation: Cultivation may put weeds under stress by pruning roots, thus diminishing control. DO NOT cultivate within 7 days of application. Cultivation approximately 14 days after application will help control suppressed weeds.

Rates for Use on Soybeans: When applied as directed, this product will CONTROL or SUPPRESS the following weeds:

WEEDS CONTROLLED			
	RATES		
	1/2 OUNCE PER ACRE	2/3 OUNCE PER ACRE	3/4 OUNCE PER ACRE
	MAXIMUM HEIGHT IN INCHES AT TIME OF APPLICATION		
Beggartick *(Bidens* spp.*)*	4	6	8
Bristly Starbur	2	3	4
Cocklebur	6	8	12
Cowpea	-	5	6
Dandelion (above ground portion)	4	4	4
Florida Beggarweed	4	5	6
Hemp Sesbania	4	5	6
Jerusalem Artichoke (above ground portion)	-	-	8
Jimsonweed	4	5	6
Marestail	3	5	6
Morningglory * (Entireleaf, Ivyleaf, Pitted, Smallflower, Tall)	2	3	4
Mustard	Up to 4" in diameter	Up to 5" in diameter	Up to 6" in diameter
Pigweed, Redroot	2	3	4
Prickly Lettuce	-	4	6
Ragweed, Common	-	3	4
Ragweed, Giant	-	4*	6
Sicklepod*	2	3	4
Smartweed (Ladysthumb, Pennsylvania)	2	3	4
Sunflower	5	6	8
Wild Poinsettia	-	2	4
Velvetleaf**	-	4	6
Yellow Nutsedge	3	3	4

WEEDS SUPPRESSED			
	RATES		
	1/2 OUNCE PER ACRE	2/3 OUNCE PER ACRE	3/4 OUNCE PER ACRE
	MAXIMUM HEIGHT IN INCHES AT TIME OF APPLICATION		
Burcucumber*	-	3	6
Canadian Thistle	-	3	4
Pigweed, Smooth	2	3	4
Purple Nutsedge	3	4	5
Tropical Spiderwort	2	2	2
*See Split Application Section **Include an ammonium nitrogen fertilizer			

Split Applications: A second application of this product may be made 2 to 3 weeks after the initial application to control weeds with multiple germination flushes or suppressed weeds such as burcucumber, cocklebur, cowpea, giant ragweed, morningglory, pigweed, sicklepod, and velvetleaf. **DO NOT make more than 2 applications of this product in a single season.**

SPRAY ADJUVANTS

Applications of this product must include a crop oil concentrate or nonionic surfactant except as specified in this labeling. An ammonium nitrogen fertilizer may also be required. If another herbicide is tank mixed with this product, select adjuvants recommended for use with both products. Adjuvants must contain only EPA-exempt ingredients (40 CFR 1001).

Nonionic Surfactant
- **Add a nonionic surfactant at the rate of 2 pints per 100 gallons of spray solution (0.25% v/v).**
- Surfactant products must contain at least 60% nonionic surfactant with a hydrophilic/lipophilic balance (HLB) greater than 12.

Crop Oil Concentrate
For improved weed control under hot, dry conditions, or for control of tough weeds like Giant Ragweed, a crop oil concentrate may be used in place of a nonionic surfactant.
- **Apply crop oil concentrate at the rate of 8 pints per 100 gallons of spray solution (1.0% v/v).**
- Use a good quality, petroleum-based or methylated seed oil-based crop oil concentrate with at least 15% surfactant emulsifiers and 80% oil.
- Crop oil concentrate may increase the potential for crop injury in soybeans.

Ammonium Nitrogen Fertilizer
In addition to a nonionic surfactant or crop oil concentrate, an ammonium nitrogen fertilizer is required to control Velvetleaf.
- **Use 2 quarts per acre of a high-quality urea ammonium nitrate (UAN), such as 28% N or 32% N, or 2 pounds per acre of a spray-grade ammonium sulfate (AMS).**
- Use 4 quarts per acre UAN or 4 pounds per acre AMS under arid conditions.
- Always use the lower rates of fertilizer with spray volumes of less than 15 gallons per acre.

Special Adjuvant Types
Combination adjuvant products may be used at doses that provide the required amount of NIS, COC, MSO and/or ammonium nitrogen fertilizer. Consult product literature for use rates and restrictions. In addition to the adjuvants specified above, other adjuvant types may be used if they provide the same functionality.

TANK MIXES
Other than the exceptions noted, and in addition to the tank mix partners and rates indicated in this label, this product may be tank mixed or followed with sequential applications of other products registered for use in soybeans. This product may be applied in tank mix combinations with full or reduced rates of other products provided:
- The tank mix product is labeled for the same timing, method of application, adjuvants, and use restrictions as this product.
- The tank mix is not specifically prohibited on the label of the tank mix product.
- The tank mix combination is compatible as determined by a "jar test" described in the TANK MIX COMPATIBILITY TESTING section below.

Weed control and crop safety resulting from the use of tank mixtures not specifically noted on this label are the responsibility of the user.

TANK MIX COMPATIBILITY TESTING
Perform a jar test prior to tank mixing to ensure compatibility of this product and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, gels, oily film or layers, or other precipitates, it is not compatible.

SOYBEAN USE PRECAUTIONS
- Temporary leaf yellowing and/or retardation of soybean growth may occur following application of this product alone or in tank mixes. These effects will generally be most evident 5 to 7 days after application to soybeans under stress. The crop will quickly recover under favorable soybean growing conditions.

SOYBEAN USE RESTRICTIONS
- **DO NOT** tank mix this product with Python® WDG due to risk of crop injury.
- **DO NOT** tank mix this product with organophosphate insecticides or apply this product within 14 days before or after an application of an organophosphate insecticide. Severe crop injury may occur.
- **DO NOT** graze treated fields or harvest for forage or hay.
- This product **MUST NOT** be used on soils with a history of nutrient deficiency (such as iron chlorosis). Crop injury may occur.
- **DO NOT** apply to land that has been or will be treated with chlorsulfuron and/or metsulfuron methyl containing herbicides in the states of Kansas, Nebraska, or South Dakota without carefully observing the rotational crop intervals for those products.

SOYBEAN TANK MIX APPLICATIONS
SHERIDAN 25 WG and glyphosate tank mixes
A tank mix of this product at 0.25 to 0.33 ounce per acre plus glyphosate (equivalent to 1 quart of a 4 lb/gallon formulation) will control the weeds listed in the table below. For best control of morningglories and dandelion, the higher rate of SHERIDAN 25 WG is recommended.
- When tank mixing SHERIDAN 25 WG + glyphosate herbicides, it is recommended to add 4.25 to 17.0 pounds of ammonium sulfate per 100 gallons of spray mixture.
- The addition of surfactant at 0.25% v/v (1 quart per 100 gallons of spray) to some SHERIDAN 25 WG + glyphosate tank mixes may improve weed control. Since some glyphosate products differ in their adjuvant contents, some glyphosate products allow for the addition of surfactants.
- See the glyphosate manufacturer's label for specific ammonium sulfate and surfactant instructions.

MAXIMUM HEIGHT IN INCHES AT TIME OF APPLICATION	
0.25 to 0.33 ounces of SHERIDAN 25 WG + glyphosate* (*equivalent of 1 qt/ac of 4 lbs/gal glyphosate)	
Barnyardgrass	6
Cocklebur	8
Corn, volunteer	20
Crabgrass species	10
Dandelion	4
Foxtail species	10
Hemp Sesbania	4
Jimsonweed	10
Ladysthumb	8
Lambsquarters	6
Morningglory * (Entireleaf, Ivyleaf, Pitted, Tall)	4
Nightshade, Eastern Black	5
Panicum (Fall, Texas)	10
Pigweed (Redroot, Rough)	12
Pigweed (others)	8
Prickly Sida	4
Ragweed (Common, Giant)	8
Sicklepod	4
Signalgrass, Broadleaf	4
Smartweed, Pennsylvania	8
Sunflower	8
Velvetleaf	4
Waterhemp species	4
Yellow Nutsedge	6

A tank mix of **SHERIDAN 25 WG** at 0.5 ounce per acre plus glyphosate (equivalent to 1 qt of a 4 lb/gallon formulation) will suppress tropical spiderwort that is no larger than 2 inches in size.

SHERIDAN 25 WG Tank Mixes with "Cobra" "Flexstar", "Phoenix" "Reflex", or "Ultra Blazer" Herbicides
SHERIDAN 25 WG may be tank mixed with the following herbicides for specific weed control:

Tank Mix Partner	Rate Product/A	For Best Results with SHERIDAN 25 WG Plus Tank Mix Partner
For Control of Small Waterhemp, Eastern Black Nightshade and Improved Common Ragweed Control		
Cobra	4 - 6 fluid ounces/A	Use crop oil concentrate at 4 pints per 100 gallon spray solution (0.5% v/v).
Flexstar	0.75 - 1.25 pints/A	Use a methylated seed oil-based or petroleum oil-based crop oil concentrate at 8 pints per 100 gallon spray solution (1% v/v). Alternately, use nonionic surfactant at 2 pints per 100 gallon spray solution (0.25% v/v).
Phoenix	8 fluid ounces/A	Use nonionic surfactant at 2 pints per 100 gallon spray solution (0.25% v/v).
Reflex	0.75 - 1.50 pints/A	Use a methylated seed oil-based or petroleum oil-based crop oil concentrate at 8 pints per 100 gallon spray solution (1% v/v). Alternately, use nonionic surfactant at 2 pints per 100 gallon spray solution (0.25% v/v).
Ultra Blazer	0.50 - 1.50 pints/A	Use nonionic surfactant at 1 to 2 pints per 100 gallon spray solution. Use of crop oil concentrate is not recommended, as severe injury may occur.
For Control of Prickly Sida and Hemp Sesbania		
Cobra	8.0 - 12.5 fluid ounces/A + 0.5 ounce SHERIDAN 25 WG	Use the higher "Cobra" rate when prickly sida or hemp sesbania are heavy or if prickly sida and hemp sesbania approach the maximum size of 1" or 4", respectively. Include a nonionic surfactant at 1 to 2 pints per 100 gallon spray solution (0.125 to 0.25 %v/v). **DO NOT** use crop oil concentrate when tank mixing SHERIDAN 25 WG and "Cobra" at these rates.

Refer to the Flexstar, Reflex, Ultra Blazer, Cobra and Phoenix labels for the appropriate rate based on the weed sizes to be controlled. Nonionic surfactant or crop oil concentrate must be added to the tank mix.

SHERIDAN 25 WG plus Flexstar, Reflex, Ultra Blazer, Cobra or Phoenix Herbicides Tank Mix Precautions
Tank mix applications of SHERIDAN 25 WG plus Flexstar, Reflex, Ultra Blazer, Cobra or Phoenix may not control weeds listed on the SHERIDAN 25 WG label as completely as applications of SHERIDAN 25 WG alone.

SHERIDAN 25 WG and Post-emergence Grass Herbicides
SHERIDAN 25 WG and SHERIDAN 25 WG tank mixes may be tank mixed with post-emergence grass herbicides such as Assure® II herbicide. For best results, apply SHERIDAN 25 WG 7 days before or 1 day after the grass herbicide. Refer to the grass herbicide label for precautions, restrictions and specific use information.

SHERIDAN 25 WG plus HARMONY® GT XP Herbicide Tank Mixes
SHERIDAN 25 WG may be tank mixed with HARMONY® GT XP for broad spectrum weed control as follows:

	RATES - SHERIDAN 25 WG plus HARMONY® GT XP		
	MAXIMUM HEIGHT IN INCHES AT TIME OF APPLICATION		
	1/ 4 + 1/12	1/3 + 1/12	½ + 1/24
Buffalobur	-	6**	-
Cocklebur	4	6	6
Jimsonweed	5	5	4
Lambsquarters	4	4	-
Marestail	5	5	6
Milkweed, Common	-	6	-
Morningglory ** (Entireleaf, Ivyleaf, Pitted, Smallflower, Tall)	2**	2**	2
Mustard, Wild	Up to 4" in diameter	Up to 4" in diameter	Up to 4" in diameter
Pigweed, Redroot	12	12	4
Pigweed, Other	8	8	4
Ragweed, Common	3**	3	3
Sicklepod	-	-	2
Smartweeds, Annual	8	8	4
Sunflower	8	8	5
Velvetleaf*	8	8	4
Yellow Nutsedge	-	3**	3

* Requires the addition of ammonium fertilizer. See Spray Adjuvants for Soybeans.
** Suppression Only.

SHERIDAN 25 WG + HARMONY® GT XP Tankmixes with "Cobra", "Flexstar", "Phoenix", "Reflex", or "Ultra Blazer" Herbicides – Improved Broadleaf Weed Control
SHERIDAN 25 WG + HARMONY® GT XP may be tank mixed with the following herbicides for specific weed control:

Tank Mix Partner	Rate Product/A	For Best Results with SHERIDAN 25 WG Plus Tank Mix Partner
For Control of Small Waterhemp, Eastern Black Nightshade and Improved Common Ragweed Control		
Cobra	4 - 6 fluid ounces/A	Refer to the Flexstar, Reflex, Ultra Blazer, Cobra and Phoenix labels for the appropriate rate based on the weed sizes to be controlled. Nonionic surfactant or crop oil concentrate must be added to the tank mix. Use as directed below in "SHERIDAN 25 WG plus HARMONY® GT XP– Application Information".
Flexstar	0.75 - 1.25 pints/A	
Phoenix	8 fluid ounces/A	
Reflex	0.75 - 1.50 pints/A	
Ultra Blazer	0.50 - 1.50 pints/A	

See Precautions for SHERIDAN 25 WG + HARMONY® GT XP plus "Flexstar", "Reflex", "Ultra Blazer", "Cobra" or "Phoenix" tank mixes in the preceding section "SHERIDAN 25 WG plus "Flexstar", "Reflex", "Ultra Blazer", "Cobra" or "Phoenix" herbicide".

SHERIDAN 25 WG plus HARMONY® GT XP with "Cobra", "Flexstar", "Phoenix", "Reflex", or "Ultra Blazer", Herbicides Tank Mix Precautions
Tank mix applications of SHERIDAN 25 WG plus HARMONY® GT XP with Cobra, Flexstar, Phoenix, Reflex or Ultra Blazer, may not control weeds listed on the SHERIDAN 25 WG plus HARMONY® GT XP label as completely as applications of SHERIDAN 25 WG plus HARMONY® GT XP alone.

SHERIDAN 25 WG plus HARMONY® GT XP - Application Information
- Applications must include a nonionic surfactant at the rate of 1 to 2 pints per 100 gallons of spray solution 0.125% to 0.25% v/v). Using the higher rate of nonionic surfactant, particularly under hot, humid conditions, may result in temporary crop injury.
- Under dry conditions or during cool weather a crop oil concentrate may be used to enhance weed control. Use at the rate of 4 pints per 100 gallons of spray solution (0.5% v/v).
- The use of crop oil concentrate may increase temporary crop injury.
- When tank mixing SHERIDAN 25 WG + HARMONY® GT XP treatments with Assure II or other post-emergence grass herbicides, add nonionic surfactant at 1 to 2 pints per 100 gallons of spray solution.

SHERIDAN 25 WG plus HARMONY® GT XP - RESTRICTIONS
- **DO NOT** use crop oil concentrate when tank mixing SHERIDAN 25 WG + HARMONY® GT XP treatments with post-emergence grass herbicides such as Assure II, or severe crop injury may result.
- **DO NOT** tank mix SHERIDAN 25 WG + HARMONY® GT XP with Poast Plus®, as severe crop injury may result.
- SHERIDAN 25 WG tank mix with HARMONY® GT XP is not recommended in the States of Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, South Carolina and Texas, as excessive crop injury may occur.
- **DO NOT** use Dash® with SHERIDAN 25 WG + HARMONY® GT XP tank mixes, or severe injury may occur.

SHERIDAN 25 WG and "FirstRate®" Herbicide

For improved Ragweed or Cocklebur control, add between 0.075 – 0.15 ounce per acre "FirstRate®" to 0.5 ounce per acre SHERIDAN 25 WG. These tank mixes will control up to 8" Cocklebur or Common Ragweed and up to 12" Giant Ragweed. Use the lower amount of "FirstRate®" when weeds are less than the maximal size and under good growing conditions. Use the higher amount of "FirstRate®" when weeds are approaching the maximum size and/or under unfavorable growing conditions.

A good quality petroleum-based or methylated seed oil based Crop Oil Concentrate must be added to the tank mix at the rate of 8 pints per 100 gallons of spray solution (1% v/v). An ammonium nitrogen fertilizer may be added as directed under the "Spray Adjuvants" section.

DO NOT use DuPont™ HARMONY® GT XP herbicide with this tank mix of SHERIDAN 25 WG plus "FirstRate®", or unacceptable severe crop injury will result.

REGIONAL DIRECTIONS

Tank Mixes with reduced rates of Pursuit® herbicide

Recommended only for the states of Illinois, Indiana, Iowa, Michigan, Minnesota, North Dakota, Ohio, Pennsylvania, South Dakota, and Wisconsin.

SHERIDAN 25 WG at 1/4 - 1/3 ounces per acre alone, or SHERIDAN 25 WG at 1/4-1/3 ounce per acre tank mixed with HARMONY® SG at 1/8 ounce per acre, may be tank mixed with 2.0 fluid ounces per acre "Pursuit®" for the control of eastern black nightshade less than 2 inches tall.

Refer to the SHERIDAN 25 WG and HARMONY® SG for other weeds controlled and maximum size. This program is only recommended for the control of broadleaf weeds. Other measures should be used to control grassy weeds. Best results are obtained when the referenced tank mixes are applied to weeds that are young – after the first true leaves have expanded but before they exceed the size indicated on the label. Target weeds should be actively growing – generally 21 to 30 days after soybean planting. If application is made to cotyledon stage weeds or to weeds larger than the size indicated on the label, or weeds under stress due to - weather, herbicides, or other causes – control may be unsatisfactory.

- Use a nonionic surfactant at the rate of 1 pint per 100 gal of solution (0.125% v/v). Under dry, cool (generally 70 degrees F or less) conditions the rate of nonionic surfactant may be increased to 2 pints per 100 gal. of solution (0.25% v/v).
- Use a high quality nitrogen fertilizer product such as 28-0-0 at a rate of 4 - 8 pints per acre, or 10-34-0 at a rate of 2 - 4 pints per acre. Alternately, a high-quality, sprayable grade of ammonium sulfate (21-0-0) may be used at a rate of 2 - 4 pounds per acre. Use the lower rate for spray volumes less than 15 gal/ac.
- **DO NOT** use "Dash", "Dash HC", crop oil concentrates or methylated seed oil products such as "Sun-It II" when tank mixing either SHERIDAN 25 WG, or SHERIDAN 25 WG plus HARMONY® SG with " Pursuit®" as excessive crop injury may occur.
- Soybeans should be free from stress and actively growing at the time of application. Stress may be caused by abnormally hot or cold weather, growing conditions such as drought or water saturated, soil, disease, soil nutrient deficiencies such as iron chlorosis, or injury from nematodes, insects, or prior herbicide applications.
- Applications of either SHERIDAN 25 WG, or SHERIDAN 25 WG plus HARMONY® SG when tank mixed with "Pursuit®" may shorten stem internodal length and cause temporary crop injury. Crop response may be increased when applications are made to soybeans that are under stress. Soybeans will recover quickly under normal growing conditions.
- Make applications to actively growing soybeans after the first trifoliate has opened but no later than 60 days before soybean maturity.

APPLICATION INFORMATION

Broadcast Application: With ground equipment, use flat fan nozzles at 25 to 40 PSI. Use 10 to 25 gallons of spray per acre. Do not use hollow cone, flood, rain drop, or whirl chamber nozzles. For proper spray coverage, adjust boom and nozzle height according to the specifications listed by the manufacturer.

IMPORTANT USE PRECAUTIONS

- Refer to the SHERIDAN 25 WG herbicide label and HARMONY® SG herbicide label for specific use instructions, limitations, precautions, restrictions, and rotational crop intervals.

USE RESTRICTIONS

- **DO NOT** apply if rain is expected within one hour, otherwise weed control may be decreased.
- **DO NOT** cultivation 7-10 days prior to or following application of the herbicide treatment as cultivation may put weeds under stress by pruning roots resulting in reduced weed control. Cultivate 7-10 days after application, to maximize weed control.
- **DO NOT** overlap spray passes or severe crop injury will occur.
- **DO NOT** mix with organophosphate insecticides, or apply within 14 days before or after an application of an organophosphate insecticide as severe crop injury may occur.

Tank Mixes of SHERIDAN 25 WG + HARMONY® SG for improved broadleaf weed control

The tank mix of SHERIDAN 25 WG plus HARMONY® SG herbicides described on this section is recommended for use only in the counties listed below in the States of Indiana and Ohio:

Indiana: Adams, Bartholomew, Benton, Blackford, Boone, Brown, Carroll, Cass, Clark, Clinton, Crawford, Dearborn, Decatur, Delaware, Dubois, Floyd, Fulton, Gibson, Grant, Hamilton, Hancock, Harrison, Henry, Hendricks, Howard, Jackson, Jasper, Jay, Jefferson, Jennings, Johnson, Lake, LaPorte, Lawrence, Marshall, Madison, Marion, Miami, Montgomery, Morgan, Monroe, Newton, Ohio, Orange, Parke, Perry, Pike, Porter, Posey, Pulaski, Putnam, Ripley, Scott, Shelby, Spencer, St. Joseph, Starke, Switzerland, Tippecanoe, Tipton, Vanderburgh, Warrick, Washington, Wells, White.

Ohio: Adams, Ashland, Ashtabula, Auglaize, Brown, Butler, Champaign, Clark, Clermont, Clinton, Crawford, Darke, Delaware, Erie, Fairfield, Fayette, Franklin, Gallia, Greene, Hamilton, Hancock, Hardin, Highland, Huron, Jackson, Knox, Lawrence, Licking, Logan, Lorain, Madison, Mahoning, Marion, Medina, Meigs, Mercer, Miami, Montgomery, Morrow, Ottawa, Perry, Pickaway, Pike, Portage, Preble, Putnam, Richland, Ross, Sandusky, Scioto, Seneca, Shelby, Stark, Trumbull, Union, Van Wert, Vinton, Warren, Wayne, Wood, Wyandot.

A tank mix of SHERIDAN 25 WG herbicide at a rate of 0.5 ounce per acre plus HARMONY® SG herbicide at a rate of 0.083 ounce per acre is recommended for control of the weeds listed in the following table.

WEEDS CONTROLLED	HEIGHT IN INCHES
Cocklebur	2-6
Common Ragweed	1-3
Jimsonweed	2-4
Lambsquarters	2-4
Marestail	2-6
Morningglory (Annual – Entireleaf, Ivyleaf, Pitted, Smallflower, Tall)*	1-2
Mustard	2-4**
Pigweed, Redroot (Rough)	2-12
Pigweed, Other species	2-8
Smartweeds (annual)	2-6
Sunflower	2-6
Velvetleaf	2-6
Yellow Nutsedge	2-3
WEEDS SUPPRESSED	**HEIGHT IN INCHES**
Burcucumber	2-3
Canada Thistle*	2-4
Common Milkweed (above ground portion)	2-6
Giant Ragweed*	2-4
Purple Nutsedge	2-3

* May require sequential application with SHERIDAN 25 WG herbicide
** Diameter
*** Suppression is a visual reduction in weed competition (reduced population, size, and/or vigor) as compared to untreated areas.

- Applications of SHERIDAN 25 WG herbicide plus HARMONY® SG herbicide must include a nonionic surfactant at the rate of 0.125% to 0.25% v/v(1 to 2 pints per 100 gallons of spray solution).
- USE OF THE HIGHER RATE OF NONIONIC SURFACTANT, PARTICULARLY UNDER HOT, HUMID CONDITIONS MAY INCREASE TEMPORARY CROP INJURY.
- Use only EPA approved surfactants authorized for use on food crops. Use a nonionic surfactant of at least 80% active ingredient.
- **DO NOT** USE DASH, CROP OIL CONCENTRATE, OR METHYLATED SEED OILS AS ADJUVANTS WITH THIS TANK MIX.
- **DO NOT** use SHERIDAN 25 WG herbicide plus HARMONY® SG herbicide tank mixed with Poast Plus, as severe crop injury may result.
- The addition of an ammonium nitrogen fertilizer is required for control of velvetleaf and ragweeds. Use a high quality fertilizer such as 28-0-0 at the rate of 2 to 4 quarts per acre or 10-34-0 at the rate of 1 to 2 quarts per acre. Alternatively, a high quality, sprayable grade ammonium sulfate (21-0-0) may be used at the rate of 2 to 4 pounds per acre. Use the lower nitrogen rate for spray volumes less than 15 gallons per acre. The addition of ammonium fertilizer does not replace the need for a nonionic surfactant.
- Best results are obtained when the referenced tank mixes are applied to weeds that are young – after the first true leaves have expanded but before they exceed the size indicated on the label. Target weeds should be actively growing – generally 21 to 30 days after soybean planting. If application is made to cotyledon stage weeds or to weeds larger than the size indicated on the label, or weeds under stress due to - weather, herbicides, or other causes – control may be unsatisfactory.
- Make applications to actively growing soybeans after the first trifoliate has opened but no later than 60 days before soybean maturity.
- Crop injury (temporary leaf yellowing and/or retardation of soybean growth) may result from application of this tank mixture. The potential for adverse crop response is most pronounced during hot, humid conditions, under widely fluctuating climatic conditions, or with application to soybeans growing under moisture stress.

TANK MIXES

- This 0.5 ounce SHERIDAN 25 WG herbicide plus 0.083 ounce HARMONY® SG herbicide mix may be tank mixed with post-emergence grass herbicides such as Assure II herbicide. When tank mixing SHERIDAN 25 WG herbicide plus HARMONY® SG herbicide with Assure II herbicide or other post-emergence grass herbicides, use 1 to 2 pints surfactant per 100 gallons spray solution. Use of the higher surfactant rate may increase crop injury.
- **DO NOT** USE DASH, CROP OIL CONCENTRATE, OR METHYLATED SEED OIL AS ADJUVANTS.
- **DO NOT** use SHERIDAN 25 WG herbicide plus HARMONY® SG herbicide tank mix with Poast Plus.

APPLICATION INFORMATION

Broadcast Application: With ground equipment, use flat fan nozzles at 25 to 40 PSI. Use 10 to 25 gallons of spray per acre. Do not use hollow cone, flood, rain drop, or whirl chamber nozzles. For proper spray coverage, adjust boom and nozzle height according to the specifications listed by the manufacturer.

IMPORTANT USE PRECAUTIONS

- Refer to the SHERIDAN 25 WG herbicide label and HARMONY® SG herbicide label for specific use instructions, limitations, precautions, restrictions, and rotational crop intervals.

USE RESTRICTIONS

- **DO NOT** apply if rain is expected within one hour, otherwise weed control may be decreased.
- **DO NOT** cultivate before, during, or within 7 days after application. Cultivation may put weeds under stress by pruning roots, thus making control more difficult. The best time to cultivate is approximately 14 days after application.
- **DO NOT** overlap spray passes or severe crop injury will occur.
- **DO NOT** mix with organophosphate insecticides, or apply within 14 days before or after an application of an organophosphate insecticide as severe crop injury may occur.

POST-EMERGENCE USE IN NORTHWEST IOWA

In Iowa, west of SR63 and north of I-80, one-half ounce SHERIDAN 25 WG may be applied before July 15 to soybeans growing in well-drained, high-fertility soils of 3% or greater organic matter and pH of 7.5 or less. Do not exceed 0.5 ounce per acre in a single growing season.

EXPANDED APPLICATION TIMING

SHERIDAN 25 WG at 1 to 3 ounces per acre can be used for weed control in all states in the SHERIDAN 25 WG Central and Southern Rotational Regions, excluding the state of Florida (see Rotational Crop Guidelines).

SHERIDAN 25 WG can be applied to no-till or conservation tillage fields any time after the fall harvest, but prior to soybean emergence. Do not apply to frozen ground.

APPLICATION RATES	
Region/pH	**Rate per Acre**
FOR MEDIUM AND FINE SOILS - 1.5 TO 4.0% ORGANIC MATTER	
Central Region States	
No pH restriction*	1.0 ounce/A
Composite soil pH of 7 or less	1.25 to 3.0 ounces/A
Southern Region States	
No pH restriction*	1.0 to 1.5 ounces/A
Composite soil pH of 7 or less	greater than 1.5 to 3.0 ounces/A

* In Michigan, New York and Wisconsin, do not apply the 1 ounce per acre rate to soils exceeding pH 7.6. In all other states, the soil pH is unrestricted for 1 ounce per acre rate.

For season-long control of all grass and broadleaf weeds following 1 to 3 ounces per acre applications of SHERIDAN 25 WG, a planned sequential program is required. Use higher rates of SHERIDAN 25 WG where longer residual control is desired.

Weeds Controlled

Burndown of existing winter and summer annual weeds

SHERIDAN 25 WG applications in the fall through early spring will provide burndown control of certain broadleaf weeds no greater than 3 inches in height. To obtain burndown of the weed species listed below:

- addition of crop oil concentrate at 1% v/v (1 gallon per 100 gallons of final spray volume) is required.
- use a minimum of 20 gallons per acre with spray nozzles that provide thorough spray coverage of the weeds.
- 2,4-D LVE may be added for enhanced burndown control.

Bittercress, Small-flowered	Lambsquarters**	Ragweed, Common	Thistle, Canadian (above ground)
Bushy wallflower	Lettuce, Prickly	Ragweed, Giant	
Buttercup, Smallflower	Marestail*	Shepherdspurse	Velvetleaf
Dandelion	Mustard, Wild	Smartweed (annual)	Whitlowgrass
Deadnettle (Purple, Red)	Pennycress	Speedwell (Field, Purselane)	Yellow-rocket
Garlic, Wild*	Pepperweed	Sunflower	
Henbits	Pigweed	Tansy Mustard	

* Addition of 1 pint per acre 2,4-D LVE is required for the 1 ounce per acre rate and recommended for all rates.
** Addition of 1 pint per acre 2,4-D LVE required.

Chickweed Burndown

- For best results: add 0.08 to 0.33 ounce EXPRESS® XP herbicide to SHERIDAN 25 WG for control of up to 6 inch common chickweed. For other weeds EXPRESS XP controls, see the EXPRESS XP label. EXPRESS XP must be added at least 45 days prior to soybean planting.
- Alternatively, Sencor® or glyphosate-containing products registered for soybeans may be used for chickweed burndown.
- To burndown annual grasses and broadleaf weeds listed above when they exceed the recommended heights, SHERIDAN 25 WG may be tank mixed with one or more of such products as: Gramoxone® Extra, 2,4-D LVE, Sencor, or glyphosate-containing products registered for soybeans.
- When tank mixing with glyphosate-containing products, replace the crop oil concentrate with nonionic surfactant at 0.25% v/v (1 quart per 100 gallons final spray volume) and follow the manufacturer's instructions for ammonium sulfate addition. To select the proper burndown product, identify the weeds to be controlled and consult the product labels to determine which product is needed.

Pre-emergence or Residual Control

- Fall through early spring applications of 1.25 to 3 ounces per acre SHERIDAN 25 WG will provide acceptable pre-emergence control or partial control (suppression) of the following weeds through normal planting dates.

Control	Suppression
Cocklebur	Annual grasses* (barnyardgrass, crabgrass, foxtails, panicum)
Lambsquarters	Chickweed, Common
Marestail*	Jimsonweed
Pigweed (Redroot, Smooth)	Morningglory (annual)*
Ragweed, Common	Prickly Sida (teaweed)*
Smartweed (annual)	Ragweed, Giant*
Speedwell, Purselane	
Velvetleaf	

- Fall through early spring applications of 1 ounce per acre SHERIDAN 25 WG will provide limited residual control of the above-listed weeds to contribute to a clean seed at planting.

* With 1 ounce per acre applications of SHERIDAN 25 WG - heavy weed pressure, delayed planting, or adverse environmental conditions may require additional burndown control measures at planting. For enhanced residual control, such products like 2 to 4 ounces per acre Sencor may be tank mixed with 1 ounce per acre SHERIDAN 25 WG.

Planned Sequential Programs

SHERIDAN 25 WG applied under the expanded application timing will not provide adequate season-long preemergence control of annual grasses and broadleaf weeds.

- For season-long control in glyphosate-tolerant soybeans, follow SHERIDAN 25 WG with an in-season glyphosate-containing herbicide.
- For season-long control in non-GMO soybeans, follow SHERIDAN 25 WG with sequential programs based on the targeted weeds.

To insure maximal rotation flexibility when considering a sequential program of SHERIDAN 25 WG followed by SHERIDAN 25 WG or Synchrony® XP, carefully consider: the soil pH, the recommendations below, the rotational information in this section, and the Rotational Crop Guidelines in this label.

Applications of 1 ounce per acre SHERIDAN 25 WG **(Central and Southern States) to soils with pH greater than 7:** Do not apply additional chlorimuron-ethyl-containing herbicides (SHERIDAN 25 WG, Synchrony XP) except in the states of AL, AR, GA, KY, LA, MO bootheel, MS, NC, OK, SC, TN, TX, where up to 0.5 ounce per acre SHERIDAN 25 WG may be applied.

Applications of 1.5 ounces per acre SHERIDAN 25 WG **(Southern Region States) to soils with pH greater than 7:** Do not apply additional chlorimuron-ethyl-containing herbicides (SHERIDAN 25 WG, Synchrony XP).

Applications of 1 to 3 ounces SHERIDAN 25 WG **to soils with pH less than 7:** May be followed with a single post-emergence application of SHERIDAN 25 WG.

RATES – OUNCES PER ACRE		
Expanded Application Rate SHERIDAN 25 WG	**SHERIDAN 25 WG**	**Synchrony XP**
up to 2 ounces/A	up to 3/4 ounce	up to 3/4 ounce
2.1 to 2.5 ounces/A	up to 2/3 ounce	up to 3/4 ounce
2.6 to 3.0 ounces/A	up to 1/4 ounce	-

Refer to the sequential herbicide labels for specific information regarding use rates, application timing, crop rotations and other restrictions and precautions.

Rotational Information

Even though SHERIDAN 25 WG may be applied in the fall, for the purposes of re-cropping, do not start counting months for re-cropping until normal soybean planting time in the Spring.

For rotational information following 1 ounce per acre SHERIDAN 25 WG in Central Region States, and up to 1.5 ounces per acre SHERIDAN 25 WG applications in Southern Region States, use Recrop Interval 2 or 3 under the Section 'Rotational Crop Guidelines' depending on whether the use was in a Central or Southern region state.

For all other Applications of SHERIDAN 25 WG under the Expanded Application Timing Use, follow the recropping intervals given in the table below.

Crop rotation intervals noted in the table below are based on crops grown under favorable growing conditions. Crops grown under unfavorable environmental conditions, such as drought, nutrient deficiency, high salts, disease and insect pressure may demonstrate reduced tolerance to crop protection chemicals. When deciding on a particular crop to replant in your fields, carefully consider your particular soil and other field conditions.

CROP	Recropping Interval In Months
Alfalfa	10
Beans (Dry and Kidney)	12
Canola	18
Cereal Grains	4
Cotton	10
Field Corn*	10**
Flax	18
Lentils	18
Peanuts	8
Rice	10
Sugar Beets	30†
Sunflower	18
Sweet Corn	18
Sorghum	12
Soybeans	Anytime
Tobacco (transplant)	10
Forage/Hay Crops	
Clover	12
Pasture Grasses	4
Vegetable Crops	
Cabbage	18
Carrots	30†
Cucumber	18
Mustard	18
Onion	30†
Peas	12
Potato (all types)	30†
Pumpkin	18
Snap Beans	12
Tomato (transplants)	10
Watermelon	18
Any Crop Not Listed	30†

*Field Corn is defined to include only that corn grown for grain, silage, popcorn, and seed corn. However, because seed corn inbred lines may vary in their sensitivity to trace amounts of herbicide carryover, HELM AGRO cannot warrant that seed corn can be re-cropped without damage or yield loss. Users must seek the advice of their seed corn company agronomists regarding inbred sensitivity to herbicides prior to planting any inbred lines.

** In the states of DE, KY, MD, MO bootheel, NJ, NC, SC, TN, VA, and WV, field corn may be recropped after 9 months if the SHERIDAN 25 WG rate does not exceed 2.5 ounces per acre.

† Carrots, onions, potato (all types), sugarbeets, and any other crop not listed may be recropped after 18 months in the states of AL, AR, DE, GA, KY, LA, MD, MS, MO (bootheel), NJ, NC, SC, TN, VA, and WV.

PEANUTS – SPECIFIC USE INSTRUCTIONS

SHERIDAN 25 WG is recommended for the control of Florida beggarweed in peanuts in the states of Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, and Virginia.

SHERIDAN 25 WG is also recommended for the suppression of bristly starbur in peanuts in the above mentioned states.

Timing to Crop Stage

This product can be applied from 60 days after crop emergence to 45 days before harvest. Where peanut stands are erratic or have been replanted, do not apply this product until 60 days after the youngest peanuts have emerged.

Rates for Use on Peanuts

Make a single post-emergence application of 1/2 ounce SHERIDAN 25 WG per acre for the control of actively growing Florida beggarweed and the suppression of bristly starbur.

Timing to Weeds

Florida Beggarweed

- Apply before Florida beggarweed reaches 10 inches in height or begins to bloom.
- Florida beggarweed that regrows from mowing, cultivation, or from a previous application of Cadre® DG herbicide will only be suppressed.

Bristly Starbur

- Apply before bristly starbur reaches 10 inches in height.
- Include ammonium sulfate or feed-grade urea at 2 pounds per acre. Alternatively, a high-quality grade of ammonium-based nitrogen fertilizer may be used at 8 pints per acre.
- Include a nonionic surfactant in addition to an ammonium-based fertilizer.
- Fertilizer containing elemental sulfur must not be used.

This product can be applied from 60 days after crop emergence to 45 days before harvest. Where peanut stands are erratic or have been replanted, do not apply this product until 60 days after the youngest peanuts have emerged.

SPRAY ADJUVANTS FOR PEANUTS

- A nonionic surfactant must be included in the spray solution at the rate (concentration) of 2 pints per 100 gallons of spray solution so that a minimum of 0.125% v/v of actual nonionic surfactant is applied.
- At least 60% of the formulation must be actual nonionic surfactant.
- Use only EPA approved surfactants authorized for use on food.
- **DO NOT** use a crop oil concentrate (either vegetable- or petroleum-based), as crop injury will result.

PEANUT VARIETIES

Peanut varietal tolerance to SHERIDAN 25 WG applications may vary. When using SHERIDAN 25 WG for the first time on a variety other than those listed, treat only a portion of the field.

If crop growth appears normal after 14 days, the balance of the acreage may be treated.

- Southern Runner has shown moderate tolerance to SHERIDAN 25 WG. **DO NOT** apply tank mixes of SHERIDAN 25 WG + 2,4-DB to Southern Runner.

Applications of SHERIDAN 25 WG applied from 60 days after crop emergence to 45 days before peanut harvest on current runner-type tomato spotted wilt virus tolerant varieties may result in an increase in tomato spotted wilt virus symptoms which may impact peanut yield.

DO NOT apply to early bunch or Spanish-type varieties due to the risk of excessive crop injury.

SHERIDAN 25 WG may cause a reduction in peanut vine length. Under normal growing conditions test data has shown no adverse effects on yields.

The following conditions prior to or following SHERIDAN 25 WG application can affect peanut yields:

- Environmental stress (drought).
- Damage from previous crop protection product application.
- Damage from insects, nematodes, or disease.
- Tank mixing SHERIDAN 25 WG with elemental sulfur or products containing elemental sulfur.
- SHERIDAN 25 WG applications other than those directed on this label.

PEANUT TANK MIX APPLICATIONS

SHERIDAN 25 WG + Bravo® 720 (chlorothalonil)

SHERIDAN 25 WG may be tank mixed with 1.5 pt Bravo 720, or any equivalent amount of other chlorothalonil-based product per acre in peanuts. Refer to the specific chlorothalonil product label for specific use directions, precautions, and restrictions.

- Applications of SHERIDAN 25 WG + Bravo 720 must include a nonionic surfactant at 2 pints per 100 gallons of spray solution so that a minimum of 0.125% v/v actual nonionic surfactant is applied.

Refer to the specific chlorothalonil product label for specific use directions, precautions, and restrictions.

SHERIDAN 25 WG plus 2,4-DB

This product may be tank mixed with 2,4-DB in peanuts.

- **DO NOT** apply more than 8/10 pint Butyrac® 200 in the tank mix as excessive crop injury can occur.
- Increased crop response (foliar yellowing, stem discoloration, and reduction in peanut growth) can occur with the tank mix.
- Applications of SHERIDAN 25 WG + 2,4-DB must include a nonionic surfactant at 2 pints per 100 gallons of spray solution so that a minimum of 0.125% v/v actual nonionic surfactant is applied.

  Refer to the specific 2,4-DB product labels for specific use directions and precautions.

(continued)

PEANUT USE RESTRICTIONS

- Make only one application of SHERIDAN 25 WG to peanuts per season.
- **DO NOT** apply within 45 days of harvest.
- **DO NOT** graze treated fields or harvest for forage or hay.
- SHERIDAN 25 WG may cause temporary reduction in peanut growth. This temporary reduction of peanut plant growth does not affect yields.
- Applications to peanuts under stress resulting from weather (drought), insects, previous herbicide injury, or disease (fungi or nematodes) may result in crop injury.
- Applications of SHERIDAN 25 WG in combination with sulfur or elemental sulfur-containing products will result in crop injury.
- SHERIDAN 25 WG may be used on peanuts following application of Pursuit®. Follow the rotational crop guidelines on the respective labels. The most restrictive interval shall apply.

SPECIFIC USES ON NON-CROP AREAS

SHERIDAN 25 WG is recommended for post-emergence control of certain annual weeds on non-crop sites including fence rows, roadsides, and equipment storage areas.

- For control of cocklebur, velvetleaf, and other annuals, apply 1 to 2 ounces SHERIDAN 25 WG per acre to weeds that are within the labeled size as stated in the Rate section of this label.
- Add a nonionic surfactant at 2 pints per 100 gallons of spray solution so that a minimum of 0.125% v/v of actual nonionic surfactant is applied.

NON-CROP GROUND APPLICATION

For optimum spray distribution and thorough coverage, use flat fan nozzles. Use a minimum of 10 gallons of spray volume per acre (GPA). **DO NOT** apply by air.

NON-CROP USE RESTRICTIONS

DO NOT make more than two applications per calendar year to non-crop areas.
DO NOT graze treated fields or harvest for forage or hay.

MIXING INSTRUCTIONS FOR SOYBEANS AND PEANUTS

Follow these steps when preparing to spray SHERIDAN 25 WG:

1. Fill the spray tank 1/4 to 1/3 full of water.
2. While agitating, add the required amount of SHERIDAN 25 WG.
3. Continue adequate agitation.
4. SHERIDAN 25 WG must be thoroughly mixed with water in the spray tank before adding any other material (in order: tank mix herbicide, surfactant, crop oil concentrate, or nitrogen-based fertilizer). Agitation is required for uniform mixing and application.
5. Apply SHERIDAN 25 WG spray preparation within 24 hours of product mixing, or product degradation may occur.
6. If the mixture has settled, thoroughly re-agitate before using.

SPRAYER PREPARATION AND CLEANUP

Prior to application of this product, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment. Postponing action, even for a few hours, only makes effective cleanup more difficult. Failure to clean spraying equipment thoroughly may result in injury to subsequently sprayed crops.

When spraying multiple loads of this product over an extended period of time, rinse the equipment with clean water at the end of the day. Leave water in the equipment overnight to prevent deposits from drying on surfaces.

When applications of this product are completed and prior to using the sprayer and associated equipment for other products or for crops other than soybeans, thoroughly clean the equipment using the procedure below.

STEP 1. Drain spray equipment. Thoroughly rinse sprayer, and flush hoses, boom and nozzles with clean water. Loosen and physically remove visible deposits.

STEP 2. Fill the sprayer with clean water and add household ammonia (one gallon of 3% active for every 100 gallons of water). A similar sprayer cleaner may also be used by following the label directions for that purpose. Flush hoses, boom and nozzles. Turn off the boom and top off the tank with clean water. Circulate through the spraying system for 15 minutes. Flush the hoses, boom and nozzles with the cleaning solution. Drain the tank.

STEP 3. Remove and clean nozzle, screens and strainers in a bucket of fresh cleaner and water.

STEP 4. Repeat STEP 2.

STEP 5. Thoroughly rinse the sprayer, hoses, boom and nozzles with clean water, several times.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. DO NOT clean near wells, water sources or near desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

SPRAY DRIFT MANAGEMENT

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

The interaction of many equipment and weather-related factors determines the potential for spray drift. A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence spray drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product. The applicator is responsible for considering all these factors when making application decisions.

IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets (>150 to 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

Controlling Droplet Size - General Techniques

- **Volume -** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure -** Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- **Nozzle Type -** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

Controlling Droplet Size - Aircraft

- **Number of Nozzles -** Use the minimum number of nozzles with the highest flow rate that provide uniform coverage. SPRAY DRIFT MANAGEMENT SPRAYER PREPARATION AND CLEANUP
- **Nozzle Orientation -** Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations.
- **Nozzle Type -** Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.
- **Boom Length -** The boom length must not exceed 3/4 of the wing or rotor length - longer booms increase drift potential.
- **Application Height -** Application more than 10 ft. above the canopy increases the potential for spray drift.

BOOM HEIGHT (Ground)

Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom must remain level with the crop and have minimal bounce.

WIND

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. AVOID GUSTY OR WINDLESS CONDITIONS.

Note: Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

SENSITIVE AREAS

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

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

For Plastic Containers: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container half 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 flow begins to drip. Repeat this procedure two more times.

For Fiber Sacks: Non-refillable container. Do not reuse or refill this container. Completely empty sack by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then offer for recycling, if available, or dispose of sack in a sanitary landfill or by or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Fiber Drums with Liners: Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then offer for recycling, if available, or dispose of liner in a sanitary landfill or by or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Paper and Plastic Bags: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency contact CHEMTREC 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Follow Directions for Use of this product carefully. 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 manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Helm Agro US, Inc. or Seller. To the extent of applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Helm and Seller harmless for any claims relating to such factors.

Helm warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Helm, and Buyer and User assume the risk of any such use. **HELM MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

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