

GROUP

15

HERBICIDE

Asset-S

For Use Only on Field Corn, Production Seed Corn, Silage Corn, Sweet Corn, and Popcorn

ACTIVE INGREDIENT:	WT. BY %
Acetochlor: 2-chloro-2'-methyl-6'-ethyl-N-ethoxymethylacetanilide.	33.70%
OTHER INGREDIENTS:	66.30%
TOTAL:	100.00%

Contains 3.2 lbs./gal. of active ingredient.

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 this label, find someone to explain it to you in detail.)

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

Manufactured For:

Sharda USA LLC 

7217 Lancaster Pike, Suite A
Hockessin, Delaware 19707

EPA Reg. No.: 83529-85
EPA Est. No.: 62171-MS-001

Net Contents: 2.5 Gallons

FIRST AID	
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • 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 INHALED:	<ul style="list-style-type: none"> • 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 further 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 emergency information concerning this product, call your poison control center at 1-800-222-1222 .	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. 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 made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton® ≥14 mils
- Shoes and socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROL STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (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:

- 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water.

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

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

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.

Not for Use in Nassau and Suffolk Counties in New York State.

AGRICULTURAL USE REQUIREMENTS

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

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

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton[®] ≥ 14 mils
- Shoes plus socks

RESISTANCE MANAGEMENT

Acetochlor is classified as a Group 15 herbicide. Some pests are known to develop resistance to herbicides that have been used repeatedly. While the development of weed resistance is well understood, it is not easily predicted. Therefore, herbicides should be used in conjunction with the resistance management strategies in the area. Consult the local or State agricultural advisors for details. If weed resistance should develop in the area, this product used alone may not continue to provide sufficient levels of pest control. If the reduced levels of control cannot be attributed to improper application techniques, improper use rates, improper application timing, unfavorable weather conditions or abnormally high pest pressure, a resistant strain may have developed.

To reduce the potential for pesticide resistance, use this product in a rotation program with other classes of chemistry and modes of action. Always apply this product at the specified rates and in accordance with the use directions. Do not use less than specified label rates alone or in tank mixtures. Do not use reduced rates of the tank mix partner. For optimum performance, scout fields carefully and begin applications when pests are smaller rather than larger. If resistance is suspected, contact the local or State agricultural advisors.

INTEGRATED WEED PEST MANAGEMENT

Integrate **Asset-S** into an overall weed management strategy whenever the use of an herbicide is required. Practices known to reduce weed development (tillage, crop competition) and herbicide use (weed scouting, proper application timing, banding) should be followed wherever possible. Consult local agricultural and weed authorities for additional IPM strategies established for your area.

PRODUCT INFORMATION

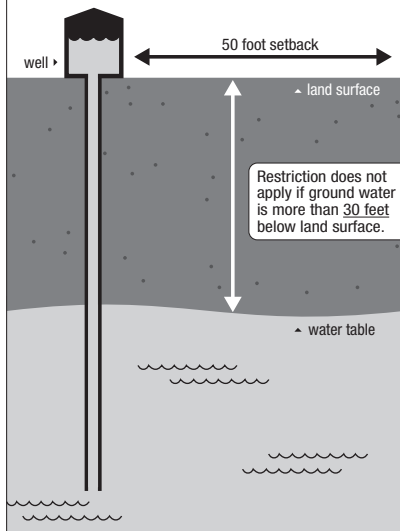
Asset-S is intended for pre-plant, pre-emergence, or early post-emergence use in corn. Use of this product in corn is limited to field corn, production seed corn, silage corn, sweet corn and popcorn. Do not apply this product to any crop other than corn. **Asset-S** is a micro-encapsulated combination of the herbicide acetochlor and the antidote or safener dichlormid. While the acetochlor provides weed control, the dichlormid safens corn against herbicide injury. **Asset-S** may be applied to the surface or incorporated into the top 1-2 inch layer of soil. It is recommended for control alone, or in tank mix combinations as indicated, for the weeds listed in the **"WEEDS CONTROLLED"** section of these use directions. **Asset-S** controls weeds by interfering with normal germination and seedling development. **Asset-S** will not control established or germinated weeds present at application.

Restriction does not apply for areas more than 50 feet from a well.

The acetochlor soil restriction is as follows:

On the following soil types, **do not apply** acetochlor within 50 feet of any well where the depth to groundwater is 30 feet or less:

- sands with less than 3 percent organic matter;
- loamy sands with less than 2 percent organic matter; or
- sandy loams with less than 1 percent organic matter.



Use Restrictions:

- Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.
- On the following soil types, do not apply this product within 150 feet of any well where the depth to groundwater is 30 feet or less: sands with less than 3% organic matter; loamy sands with less than 2% organic matter; or sandy loams with less than 1% organic matter. See the figure for additional clarification.
- Do not make application of this product using aerial application equipment.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- Do not use flood irrigation to apply or incorporate this product.
- This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, 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 properly diked mixing/loading areas.
- Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.
- Product must be used in a manner that will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.
- Do not make application under conditions that favor runoff or wind erosion of soil containing this product to non-target areas.
 - To prevent off-site movement due to runoff or wind erosion:
 - Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface must first be settled by rainfall or irrigation.
 - Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.

- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least ½ inch of rainfall has occurred between application and the first irrigation.
- Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:
 - Use low pressure application equipment capable of producing a large droplet spray.
 - Do not use nozzles that produce a fine droplet spray.
 - Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
 - Keep ground-driven spray boom as low as possible above the target surface.
 - Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.
- Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.

ROTATIONAL CROP RESTRICTIONS

Follow the most restrictive crop rotation guidelines on the label of each product used when tank mixing with other herbicides. The following rotational crops may be planted as indicated:

Crop	Crop Rotation Intervals
Corn ¹	Immediately
Alfalfa; Barley; Buckwheat; Clover; Dry Beans (adzuki, kidney, lima, navy, pinto); Guar; Kudzu; Lentil; Lespedeza; Lupin (grain, white, white sweet) Millet (pearl or proso); Oats; Pea (black-eyed, chick, cow, Crowder, field, pigeon, Southern); Potatoes; Rye; Sorghum; Soybeans; Sugar Beets; Sunflower; Trefoil; Tobacco; Triticale; Vetch; Wild Rice	Spring following Application*
Wheat	4 Months after Application
*Approved rotation crops list does not include any species of succulent beans and peas.	
¹ Corn may be replanted immediately if crop treated with Asset-S is lost. Do not make a second application of Asset-S .	

Application Directions - Corn

Carriers and Spray Volume

Either liquid fertilizers or water (such as solutions, slurries or suspensions) may be used as liquid carriers. If fluid fertilizers are used, a physical compatibility with these must be done before combining in the spray tank. See “**Compatibility Test**” section below for details of the compatibility testing procedure. Even if **Asset-S** is physically compatible with a fluid fertilizer, constant agitation is required to maintain a uniform mixture during application.

Make application in a minimum broadcast spray volume of 10 gallons per acre using boom equipment for ground applications. Use low-pressure nozzles designed for application of herbicides. Use sufficient operating pressure to produce the desired spray pattern for the nozzle (15 to 40 PSI) and follow manufacturer’s directions for nozzle spacing and operating height to ensure uniform spray distribution at the soil surface. Use 50-mesh or coarser screens, if needed.

Adding to Spray Tank

The spray tank must be clean, thoroughly rinsed and decontaminated prior to adding **Asset-S** alone or in tank mix combination with other products. Use clean water if water is used as the carrier. All return lines to the spray tank must discharge below the liquid level.

Used Alone: When **Asset-S** is used alone, add the specified amount of product to the spray tank after the tank is half filled, then fill the remainder with water or fluid fertilizer. Provide adequate agitation to ensure thorough mixing and to maintain a uniform spray mixture during application.

Tank Mixed: When making application in a tank mixture, conduct a small-scale compatibility test prior to mixing the solution for the entire field. See the “**Compatibility Test**” section for information and details.

Water Carrier

Allow time for complete dispersion/mixing prior to adding another product to the spray mixture. Add products to the tank in the following order:

- Add ½ of the required amount of water to the spray tank. Begin agitation.
- Products in water soluble packaging. Important: Allow time for complete dispersion.
- Wettable powders or dry flowables (slurry if recommended by tank mix product label.)
- Liquid flowables
- Emulsifiable concentrates
- **Asset-S** or other suspension concentrates
- Urea ammonium nitrate (UAN) or ammonium sulphate (AMS), if required.
- Compatibility agent, if needed.
- Soluble liquids such as glyphosate, paraquat, 2,4-D amine.
- Crop oil concentrate (COC) or nonionic surfactant (NIS), if required.
- Finish filling tank to required spray volume.

Liquid Fertilizer Carrier

Allow time for complete dispersion/mixing prior to adding another product to the spray mixture. Add products to the tank in the following order:

- Add ½ of the required amount of liquid fertilizer to the spray tank. Begin agitation.
- Compatibility agent, if needed.
- Products in water soluble packaging. **Important:** Products in water soluble packaging must be premixed with water (slurried) before addition to the spray tank.
- Wettable powders or dry flowables (slurry if recommended by tank mix product label.)
- Liquid flowables

- Emulsifiable concentrates
- **Asset-S** or other suspension concentrates
- Ammonium sulphate (AMS), if tank mixing with glyphosate.
- Soluble liquids such as glyphosate, paraquat, 2,4-D amine.
- Crop oil concentrate (COC) or nonionic surfactant (NIS), if required.
- Finish filling spray tank to required spray volume.

Note: For all tank mixtures, agitation must be maintained during mixing and throughout application to ensure spray mixture remains uniformly suspended.

Compatibility Test

The following procedure is suggested for determining whether **Asset-S** may be combined with a specific fluid fertilizer for spray tank application.

Materials Needed:

- **Asset-S** and any tank mix products.
- Fluid fertilizer to be used.
- Adjuvant for fertilizer tank mix: Use any adjuvant cleared for use on growing crops under 40 CFR 180.1001 to improve the compatibility of **Asset-S** with fluid fertilizers. The adjuvant that provides the best emulsification depends on the specific fertilizer under consideration.
- Two 1-quart, wide mouth glass jars with lid or stopper.
- Measuring spoons (a 25 ml pipette or graduated cylinder provides more accurate measurement).
- Measuring cup, 8 oz. (257 ml).

Test Procedure:

1. Add 16 oz. (about 473 ml) of the fluid fertilizer to each of the quart jars.
2. Add ½ teaspoon (2 ml) adjuvant to one of the jars, label as “with”, and mix. The rate of ½ teaspoon per pint is equal to 3 pints of adjuvant per 100 gallons of fluid fertilizer.
3. Add **Asset-S** and any other tank mixture product to both jars in proportional amounts in the following order while maintaining agitation:
 - Wettable powders
 - Flowables and ECs. EC’s last. The rate of wetttable powders and dry flowables is 1½ teaspoon per pound of product per acre to be applied. EC’s should be added at the rate of ½ teaspoon for each pint per acre to be applied. Premixing the wetttable powders in 1 oz. of water before adding to the pint of fluid fertilizer will improve the compatibility of the final mixture.
4. Close both jars and mix contents by turning the jars upside down 10 times.
5. Observe the surface and body of the mixtures:
 - (a) Immediately after completing the jar inversions,
 - (b) After allowing the jars to rest for 30 minutes,
 - (c) And then again after turning the jars upside down 10 times after the 30-minute inspection.

Evaluation:

If either mixture remains uniform for 30 minutes, the combination may be used. If a uniform mix cannot be made, the mixture should not be used. Should either mixture separate after 30 minutes, but readily remix uniformly with 10 jar inversions, the mixture can be used if adequate agitation is maintained in the tank. If the mixture with adjuvant is satisfactory but the one without adjuvant is not, be sure to add the adjuvant in the spray tank. Add the adjuvant first, at a rate of 3 pints per 100 gallons of fluid fertilizer. Foaming can be reduced or minimized by using moderate agitation. If non-dispersible oil, sludge, or clumps of solids form in the mixtures, the combination should not be used.

Application Timing and Methods

Make pre-plant applications of **Asset-S** as close as possible to planting for the optimum period of effective weed control. Make pre-emergence applications as close as possible to planting, but before weed emergence. Make post-emergence applications before weed emergence or in tank mix combination with a product that controls weeds that have emerged.

Use Restriction: Do not make an early post-emergence application of **Asset-S** to sweet corn.

Early Pre-Plant: On medium and fine textured soils (see the **Soil Texture Groupings** section), application of **Asset-S** and certain tank mixtures may be made up to 40 days prior to planting.

Pre-Plant Incorporation: **Asset-S** and certain tank mixtures may be mechanically incorporated in the top 2 inches of the soil with field cultivators, discs, or spring tooth harrows at any time within 10 days before planting. Do not apply and incorporate more than 10 days before planting. Improper incorporation, excessive crop residues, or poor soil tillage may result in erratic, streaked or otherwise unsatisfactory weed control. Do not mix **Asset-S** deeper than 2” into the soil and avoid moving or shaping soil following incorporation.

Pre-Emergence Surface: Application of **Asset-S** and certain tank mixes may be made to the soil surface as a broadcast or banded treatment. Precipitation or sprinkler irrigation of at least 0.25 inch is required to bring **Asset-S** into contact with germinating weed seeds. If rain or sprinkler irrigation does not occur within 7 days after application, weed control may be improved by using a rotary hoe, or similar equipment, to incorporate the herbicide. Incorporation equipment should be run at a shallow depth to avoid disturbance of germinating corn seed. Erratic weed control resulting from exposure of untreated soil may occur if surface soil is moved or reshaped after incorporation.

Post-Plant Pre-Emergence: Application of **Asset-S** may be made immediately after planting but before corn emergence. If rain or sprinkler irrigation does not occur within 7 days after treatment, weed control may be improved by using a rotary hoe, or similar equipment, to shallowly incorporate the herbicide. Incorporation equipment should be run at a shallow depth to prevent disturbance of the germinating corn seed. Erratic weed control resulting from exposure of untreated soil may occur if surface soil is moved or reshaped during incorporation.

Banding Pre-Emergence: Application of **Asset-S** may be made in a band treatment after corn planting but before corn emergence.

Early Post-Emergence: Application of **Asset-S** may be made early post-emergence to corn up to 11" tall. Applications must be made before weed seedling emergence or in tank mix combinations that control weeds that have emerged. Read and follow restrictions and directions on tank mix product labels.

Sprinkler Irrigation: Do not make application of **Asset-S** by sprinkler irrigation. Use a sprinkler system only to incorporate **Asset-S** following application. After **Asset-S** has been applied, a sprinkler irrigation system set to deliver 0.25 to 0.75 inch of water per acre may be used to incorporate the product. Using more than 0.75 inch of water could result in reduced performance. On sandy soil low in organic matter, use no more than 0.5 inch of water. Do not use flood irrigation to make application or incorporate **Asset-S**.

Fall Application - For use in IA; IL (North of Route 136); NE (North of Route 20); MN; ND; SD; WI: Following soybean harvest, make application to soybean stubble after October 15th, when the sustained soil temperature at 4-inch depth is less than 50°F, but before ground freezes. Use on medium and fine textured soils with greater than 2.5% organic matter. Only corn may be planted the following spring.

Ground may be tilled prior to or after application. Do not exceed 2-inch incorporation depth if tilled after treatment.

If a spring application is made, the total rate of the fall plus spring application must not exceed the maximum labeled use rate for corn grown on that soil.

Cultivation

Cultivation should be delayed as long as possible. If weeds develop, a shallow cultivation or rotary hoeing will typically result in improved weed control. If **Asset-S** was incorporated, cultivate less than one-half the depth of incorporation.

If cultivation becomes necessary due to soil crusting, compaction, or escaped weeds, adjust equipment to run shallow and minimize soil movement. This will decrease the possibility of diluting or moving the herbicide from the weed control zone.

Soil Texture Groupings

The use rate of **Asset-S** is determined by a combination of two factors, soil texture and the interval of time between application and planting. Different soil textures are grouped into three textural classes (coarse, medium and fine) as outlined below. Soil texture may be determined from soil survey information and/or by laboratory analysis, but must be determined before application to select the proper application use rate from the **Use Rates for Asset-S** table below.

Soil Types:

- **Fine:** Silty Clay Loam, Clay Loam, Sandy Clay, Silty Clay, Clay
- **Medium:** Loam, Silt Loam, Silt, Sandy Clay Loam
- **Coarse:** Sand, Loamy Sand, Sandy Loam

Use Rates for Asset-S

Application can take place from up to 40 days prior to planting. Optimal weed control will be obtained when applications are made as close to planting as possible, but prior to weed emergence. In reduced or no-till systems, if emerged weeds are present at time of application, it is recommended that a burndown herbicide, such as paraquat (Gramoxone) or glyphosate (Glyphomax, Roundup or Touchdown) or 2,4-D, be tank mixed with **Asset-S**.

Soil Texture	Time from Application to Planting per Acre			
	Less than 10 Days	10 - 30 Days	30 - 40 Days	After Planting and/or Emergence
Coarse	2.0 qts.	2.0 - 2.5 qts.*	2.5 qts.*	2 qts.
Medium	2.0 - 2.5 qts.	2.5 qts.	2.5 - 3 qts.	2 - 2.5 qts.
Fine	2.5 - 3 qts.	2.5 - 3.0 qts.	3 - 3.75 qts.	2.5 - 3 qts.

* The maximum rate is 2.25 qts. per acre on coarse textured soils with less than 3% Organic Matter.

- Use the lower rate in the specified range when tank mixed with a residual herbicide like atrazine.
- Use the higher rate in the specified range when applied alone.

Use Rate Ranges: If the weed infestation is light, use a rate at the lower end of the specified rate range for the soil texture and organic matter content. If the weed infestation is heavier, use the higher rates in the specified rate range for the soil texture and organic matter.

Band Applications

Application of **Asset-S** may be made as a band treatment. Use the following formulas below to determine the appropriate rate and volume per treated acre:

$$\frac{\text{Band Width in Inches}}{\text{Row Width in Inches}} \times \text{Broadcast Rate per Acre} = \text{Band Rate per Treated Acre}$$

$$\frac{\text{Band Width in Inches}}{\text{Row Width in Inches}} \times \text{Broadcast Rate per Volume} = \text{Band Volume per Treated Acre}$$

WEEDS CONTROLLED

Application of **Asset-S** made as directed in this label, will provide control or partial control (reduce competition) of the weeds listed in the below table. Partially controlled weeds will be severely stunted, or experience reduced height, vigor, or population compared to untreated areas. Depending on the infestation level or density, a follow-up application may be needed to provide complete control.

Additional weeds may be controlled with certain tank mixes. See the “**Tank Mix Combinations**” section for recommended tank mix combinations and additional weeds controlled.

Weeds Controlled or Partially Controlled by Asset-S at Specified Use Rates					
Common Name	C = Control PC = Partial Control	Common Name	C = Control PC = Partial Control	Common Name	C = Control PC = Partial Control
BROADLEAVES					
Beggarweed, Florida	C	Nightshade, Black	C	Ragweed, Common	C
Carpetweed	C	Nightshade, Hairy	C	Sida, Prickly	C
Galinsoga	C	Pigweed	C	Smartweed spp.	C
Kochia	PC	Purslane, Common	C	Waterhemp, Common	C
Lambsquarters, Common ¹	C	Pusley, Florida	C	Waterhemp, Tall	C
GRASSES & SEDGES					
Barnyardgrass	C	Foxtail, Robust (Purple White)	C	Panicum, Texas ³	C
Crabgrass spp.	C	Foxtail, Yellow	C	Rice, Red	C
Crowfootgrass	C	Goosegrass	C	Sandbur, Field	PC
Cupgrass, Prairie	C	Johnsongrass, Seedling	PC	Sandbur, Southern	C
Cupgrass, Southwestern	C	Millet, Foxtail	C	Shattercane	PC
Cupgrass, Woolly	PC	Millet, Wild Proso	PC	Signalgrass, Broadleaf ³	C
Foxtail, Bristly	C	Nutsedge, Yellow ²	C	Sprangletop, Red	C
Foxtail, Giant	C	Panicum, Browntop	C	Witchgrass	C
Foxtail, Green	C	Panicum, Fall	C		

¹Light to moderate infestations will be controlled. Heavy infestations may require a tank mixture or sequential herbicide.
²Yellow nutsedge requires a minimum of 2.5 qts. Incorporation is required.
³Best control is obtained when application of **Asset-S** is made within 5 days of planting and rainfall occurs shortly after application or mechanical incorporation is used to activate the herbicide. If it does not rain within 7 days, shallow cultivation will enhance activity. Excessive rainfall after application may reduce control. Under adverse weather conditions and/or heavy infestations, cultivation or follow up herbicide may be needed.

TANK MIX COMBINATIONS

It is the end-user's responsibility to ensure that all products 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.

Additional weeds may be controlled with tank mixture combinations. Tank mixes may be used in either conventional, reduced, or no-till systems and may be applied by the same methods and at the same application timing as **Asset-S** unless otherwise specified in the tank mix product label.

Asset-S may be tank mixed with any other herbicide labeled for use on corn provided the compatibility of the tank mix is verified by a jar test and tank mixing with **Asset-S** is not prohibited by the label of the tank mix product. The compatibility of a tank mixture can be determined by mixing the ingredients of the herbicide mixture in their relative proportions in a glass jar as described for fluid fertilizer mixtures in the “**Compatibility Test**” section by substituting water for fluid fertilizer. See the label of the tank mix product for applicable use directions, precautions and limitations, including additional weeds controlled. Do not exceed application rates on the respective product labels. Do not tank mix with another pesticide product that contains the same active ingredient as this product unless the label of either tank mix partner specifies the maximum dosages that may be used. Do not exceed the maximum allowable rate of atrazine in your county or State when tank mixing **Asset-S** with atrazine. In some atrazine management areas, atrazine is more restricted. Consult your County Extension office or State University for further information.

Use of Spray Adjuvants

Since **Asset-S** is a pre-emergence herbicide, adjuvants have little or no influence on performance. However, several herbicides used in tank mixtures with **Asset-S** require use of adjuvants to aid in the burndown of emerged weeds. Use only those adjuvants recommended on the label of the tank mix product and approved for use in growing crops.

Pre-Emergence Tank Mix Combinations

Tank mix combinations may be used in all tillage situations and applied by the same methods and at the same timings as **Asset-S** unless otherwise specified in the tank mix product label.

Pre-Emergence Tank Mixes

Tank Mix Herbicide	Comments
Atrazine 4L	<ul style="list-style-type: none"> This tank mix application may be made pre-plant surface, pre-plant incorporated, pre-emergence. Add an appropriate post-emergence herbicide if emerged weeds are greater than 1.5 inches tall at the time of application. Provides control or partial control of cocklebur, giant ragweed, ground cherry spp., jimsonweed, kochia, morningglory spp., mustards, sicklepod, and velvetleaf. Use when there is heavy broadleaf weed pressure.
Balance Pro®	<ul style="list-style-type: none"> This tank mix is not labeled in all states. See the label for Balance Pro® for applicable directions for use, geographic and other restrictions. For use in field corn only. See the use rates section for minimum use rates for Asset-S.
Hornet® WDG	<ul style="list-style-type: none"> Tank mix with a labeled rate of Hornet® WDG herbicide for consistent control of velvetleaf, lambsquarters, pigweed species, waterhemp, and triazine resistant varieties of these species. Also provides improved control of cocklebur, common ragweed, giant ragweed, common sunflower, and jimsonweed.
Durango® DMA, Roundup UltraMax®, Touchdown®	<ul style="list-style-type: none"> Make a pre-plant application for burndown of existing weeds. Weeds less than 6 inches tall are easiest to control with burndown herbicides applied in combination with Asset-S. Always add ammonium sulphate (AMS) at a rate of 8.5-17 lbs. per 100 gals. of spray to tank mixes before addition of glyphosate.
Gramoxone® Max	<ul style="list-style-type: none"> Controls annual weeds, suppresses perennial weeds.
Princep® 4L	<ul style="list-style-type: none"> Provides improved control of crabgrass and fall panicum.
Python® WDG	<ul style="list-style-type: none"> Tank mix with a labeled rate of Python® WDG herbicide to provide consistent control of velvetleaf, lambsquarters, pigweed species, waterhemp, and triazine-resistant varieties of these species.
2,4-D	<ul style="list-style-type: none"> Make a pre-plant application for control of existing weeds.

Post-Emergence Tank Mix Combinations

Application of **Asset-S** may be made before, with, or following the use of one or more of the following herbicides: Accent®, Aim®, atrazine, Banvel®, Basis®, Basis Gold®, Beacon®, Bladex®, Buctril®, Buctril®/atrazine, Clarity®, Distinct®, Exceed®, Hornet® WDG, Liberty®, Lightning®, Marksman®, Peak®, Permit®, Princep®, Prowl®, Pendimax®, Pursuit®, Shotgun®, Spirit®, and Steadfast®. When tank mixing, consult the label of the tank mix product for applicable directions for use, precautions and restrictions, and a list of weeds controlled. **Asset-S** may be tank mixed with any product approved for use on corn unless it is prohibited by the tank mix product label.

When tank mixing, consult the label of the tank mix product and follow additional use directions in the following table. Application of **Asset-S** can be made to corn up to 11" tall.

Post-Emergence Tank Mixes

Tank Mix Herbicide ¹	Comments																
Hornet® WDG	<ul style="list-style-type: none"> Always add NIS at 0.25% v/v or COC at 1% v/v. 																
Aim® EW	<ul style="list-style-type: none"> Always add a NIS at 0.25% v/v. 																
Banvel®	<ul style="list-style-type: none"> Make early post-emergence application on corn up to 8" tall on all soils. If grasses are more than 2- leaf stage, combine with another herbicide to control these weeds. 																
Clarity®																	
Marksman®																	
Buctril®																	
Buctril®/atrazine	<ul style="list-style-type: none"> See the tank mix product labels for applicable use directions, precautions and restrictions. 																
Shotgun®																	
Atrazine	<ul style="list-style-type: none"> Application may be made pre-plant surface, pre-plant incorporated, pre-emergence or early post-emergence (up to 8" tall corn). If emerged weeds are taller than 1.5 inches tall at the time of treatment, add an appropriate post-emergence herbicide. Note: The maximum atrazine application rate per year for corn is 2.0 lbs. active if applied only post-emergence or 2.5 lbs. active if pre- and post-emergence applications are made. 																
Distinct®	<ul style="list-style-type: none"> Always add a NIS at 0.25% v/v and 1.25% UAN. Application may be made on corn up to 10 inches tall. 																
Exceed®	<ul style="list-style-type: none"> Always add crop oil concentrate at 1% v/v. Consult label for Exceed for geographic restrictions. 																
Liberty®	<ul style="list-style-type: none"> For use on liberty tolerant corn only. Make application to grass and broadleaf weeds up to 6" tall. Do not add additional surfactant. 																
Lightning®	<ul style="list-style-type: none"> For use on Clearfield corn only. Use a NIS at 25% v/v and a liquid nitrogen fertilizer at 1.0 - 2.0 qts. per acre or ammonium sulfate at 2.5 lbs. per acre. 																
Pendimax® / Prowl®	<ul style="list-style-type: none"> Make a pre-emergence or early post-emergence application to corn up to 3" tall, but before weeds are more than 1" tall. 																
Princep®	<ul style="list-style-type: none"> Application may be made pre-plant surface, pre-plant incorporated, pre-emergence to corn. 																
Pursuit® 2.5L	<ul style="list-style-type: none"> Use only on Clearfield varieties. 																
Pursuit® 70DG	<ul style="list-style-type: none"> Make a pre-plant incorporated, pre-plant surface, pre-emergence or early post-emergence application to weeds up to 3" tall. 																
Resource®	<ul style="list-style-type: none"> Make application to weeds less than 5" tall. Add a crop oil concentrate at 1.0 - 2.0 pts. per acre and either 28% nitrogen at 2% v/v or ammonium sulfate at 2.5 lbs. per acre. May cause some burn or spotting to corn leaves. 																
Spirit®	<ul style="list-style-type: none"> Always add crop oil concentrate at 1% v/v. Consult label for Spirit for geographic restrictions. 																
2,4-D Ester	<ul style="list-style-type: none"> Application may be made pre-plant surface or pre-emergence to control emerged broadleaf weeds in corn. 																
Accent® 75WDG	<ul style="list-style-type: none"> Minimum Asset-S use rates (qts./acre): 																
Beacon® 75WDG	<table border="1"> <thead> <tr> <th>Soil</th> <th><3%OM</th> <th>3-7%OM</th> <th>>7%OM</th> </tr> </thead> <tbody> <tr> <td>Coarse</td> <td>1.5</td> <td>1.5</td> <td>2.0</td> </tr> <tr> <td>Medium</td> <td>1.5</td> <td>1.5 - 2.0</td> <td>2.0</td> </tr> <tr> <td>Fine</td> <td>1.5</td> <td>1.5 - 2.0</td> <td>2.0</td> </tr> </tbody> </table>	Soil	<3%OM	3-7%OM	>7%OM	Coarse	1.5	1.5	2.0	Medium	1.5	1.5 - 2.0	2.0	Fine	1.5	1.5 - 2.0	2.0
Soil		<3%OM	3-7%OM	>7%OM													
Coarse		1.5	1.5	2.0													
Medium		1.5	1.5 - 2.0	2.0													
Fine	1.5	1.5 - 2.0	2.0														
Basis®																	
Steadfast®	<ul style="list-style-type: none"> Always add NIS at 0.25% (v/v). In addition, if applied in dry conditions, add 4% (v/v) clear liquid fertilizer. Banvel, Clarity, Marksman, Buctril, Buctril/atrazine may be added to this mixture to provide burndown and residual control of broadleaf weeds. 																

¹Refer to the respective tank mix partner product label for specified use rates.

(continued)

Post-Emergence Tank Mixes (continued)

Tank Mix Herbicide ¹	Comments			
Basis Gold®	• Minimum Asset-S use rates (qts./acre):			
	Soil	<3%OM	3-7%OM	>7%OM
	Coarse	1.5	1.5	2.0
	Medium	1.5	1.5 - 2.0	2.0
	Fine	1.5	1.5 - 2.0	2.0
• Always add COC at 1.0% v/v or, under dry conditions, add COC at 2.0% v/v plus 2.0 qts. per acre of 28% liquid nitrogen or 2.0 lbs. per acre of ammonium sulfate.				
• Banvel, Clarity, Marksman, Buctril, or Tough herbicide may be added to this mixture to provide burndown and residual control of broadleaf weeds.				
¹ Refer to the respective tank mix partner product label for specified use rates.				

Asset-S Physical Data

- Density: 1.0706
- Flashpoint: > 100°C

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

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

CONTAINER HANDLING [Less Than 5 Gallons]: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. 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 mix tank or store rinsate for later use and 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 or, by other procedures allowed by State and local authorities.

CONTAINER HANDLING [Greater Than 5 Gallons]: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

CONTAINER HANDLING [For Bulk and Mini-Bulk Containers]: Refillable container. Refill this container with pesticide only. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by State and local authorities.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

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.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Sharda USA LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Sharda USA LLC and Seller harmless for any claims relating to such factors.

Sharda USA LLC 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 conditions not reasonably foreseeable to or beyond the control of Seller or Sharda USA LLC and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, Sharda USA LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Sharda USA LLC nor Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SHARDA USA LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SHARDA USA LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Sharda USA LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Sharda USA LLC.

All trademarks are the property of their respective owners.

Asset-S

GROUP 15 HERBICIDE

For Use Only on Field Corn, Production Seed Corn, Silage Corn,
Sweet Corn, and Popcorn

ACTIVE INGREDIENT:	WT. BY %
Acetochlor: 2-chloro-2'-methyl-6'-ethyl-N-ethoxymethylacetanilide	33.70%
OTHER INGREDIENTS:	66.30%
TOTAL:	100.00%

Contains 3.2 lbs./gal. of active ingredient.

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 this label, find someone to explain it to you in detail.)

FIRST AID	
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.• Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none">• 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 INHALED:	<ul style="list-style-type: none">• 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 further 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 emergency information concerning this product, call your poison control center at 1-800-222-1222 .	

See label booklet for complete Precautionary Statements and
Directions for Use.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. 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

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OPEN HERE

Manufactured For: Sharda USA LLC, 7217 Lancaster Pike, Suite A, Hockessin, Delaware 19707
EPA Reg. No.: 83529-85 EPA Est. No.: 62171-MS-001 Net Contents: 2.5 Gallons