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**Ignite® 280 SL Herbicide**

**EPA Reg. No. 264-829**

**Use Directions for: Corn, Soybean and Canola**

## ***Supplemental Label***

# **Ignite® 280 SL Herbicide**

### **DIRECTIONS FOR USE**

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

Do not use this product until you have read the entire label. 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.

**This Supplemental Label must be in possession of the user at the time of pesticide application. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the registered product label for Ignite® 280 SL Herbicide.**

### **PRECAUTIONARY STATEMENTS**

#### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

##### **WARNING**

May be fatal if absorbed through skin. Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

##### **Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

##### **Applicators and other handlers must wear:**

Coveralls worn over short-sleeved shirt and short pants; chemical-resistant gloves such as barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride (PVC)  $\geq 14$  mils, or Viton®  $\geq 14$  mils; chemical resistant footwear plus socks; protective eyewear. Wear a chemical resistant apron when mixing/loading and cleaning equipment.

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, use detergent and hot water. Keep and wash PPE separately from other laundry.

Mixers/loaders supporting aerial applications must wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

##### **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.

## APPLICATION DIRECTIONS FOR USE ON FIELD CORN, SILAGE CORN AND SOYBEANS\*

**THOROUGH SPRAY COVERAGE IS VERY IMPORTANT.** Visual effects and control from Ignite® 280 SL Herbicide applications occur within 2 to 4 days after application under good growing conditions. Ignite® 280 SL Herbicide works best when weeds are actively growing. To maximize weed control, no cultivation should occur in the period from 5 days before an application to 5 days after an application of Ignite® 280 SL Herbicide.

**\*Use on Field Corn, Silage Corn and Soybeans not permitted in California unless otherwise directed by supplemental labeling.**

### APPLICATION TIMING

Ignite® 280 SL Herbicide is a foliar-active material with little or no soil-residual activity. Best results are obtained when applications are made to actively growing weeds. Weeds that emerge after application will not be controlled. Applications of Ignite® 280 SL Herbicide following the use of soil-applied insecticides will not injure corn.

Applications of Ignite® 280 SL Herbicide on corn may be made with over-the-top broadcast or drop nozzles from emergence through the 5<sup>th</sup> leaf collar growth stage (i.e.V-5, 5 developed collars). For corn in the V-5 growth stage (~24" tall), only apply Ignite® 280 SL Herbicide using ground application and drop nozzles and avoid spraying into the whorl or leaf axils of the corn stalks.

Applications of Ignite® 280 SL Herbicide on soybeans may be made from emergence up to but not including the bloom growth stage.

Ignite® 280 SL Herbicide is rainfast 4 hours after application to most weed species. Rainfall within 4 hours may necessitate retreatment or may result in reduced weed control. Applications should be made between dawn and two hours before sunset to avoid the possibility of reduced control of lambsquarters and velvetleaf. Do not apply when wind causes drift to off-site vegetation as injury may occur. Weed control may be reduced if application is made when heavy dew, fog, and mist/rain are present or when weeds are under stress due to drought, cool temperatures, or extended periods of cloudiness.

Apply Ignite® 280 SL Herbicide at rates of 20 to 24 fluid ounces per acre. Refer to the *Rate Recommendation Tables for Weed Control* for selection of the proper rate dependent upon weed species and size. A repeat application of Ignite® 280 SL Herbicide or a tank mix application with a residual herbicide selected from the tank mix partners listed on this label will be needed to control weeds that have not yet emerged at the time of application.

### RESTRICTIONS TO THE DIRECTIONS FOR USE ON FIELD CORN, SILAGE CORN AND SOYBEANS

1. **DO NOT** apply more than two applications of Ignite® 280 SL Herbicide to the corn or the soybean crop. DO NOT apply more than 44 fluid ounces of Ignite® 280 SL Herbicide per acre on corn or soybeans per growing season.
2. **DO NOT** apply Ignite® 280 SL Herbicide within 60 days of harvesting corn forage and within 70 days of harvesting corn grain and corn fodder.
3. **DO NOT** apply Ignite® 280 SL Herbicide within 70 days of harvesting soybean seed.
4. **DO NOT** harvest treated green soybean plants for forage and hay feed for livestock.
5. **Rotational Crop Restrictions**

Rotational Crop Planting Intervals Following Application of Ignite® 280 SL Herbicide to Corn and Soybean. Failure to comply with these restrictions may result in illegal residues in rotated crops.

Rotational Crop	Plant Back Interval (Minimum Rotational Crop Planting Interval from Last Application in Days)
Cotton, Corn, Soybeans, Rice, Sugarbeets, Canola.	May be planted at any time
Root and Tuber Vegetables, Leafy Vegetables, Brassica Leafy Vegetables and Small Grains (barley, buckwheat, oats, rye, teosinte, triticale, and wheat).	70
All Other Crops	180

6. **DO NOT** use nitrogen solutions as spray carriers. A silicone-based antifoam agent may be added if needed.
7. **DO NOT** apply Ignite® 280 SL Herbicide if soybeans or corn show injury from prior herbicide applications or environmental stress (drought, excessive rainfall, etc.).
8. **DO NOT** apply this product through any type of irrigation system.
9. Volunteer LibertyLink® crop plants from the previous season will not be controlled by an application of Ignite® 280 SL Herbicide.

## SPRAY ADDITIVES

**For use on corn only, Ignite® 280 SL Herbicide must be applied with ammonium sulfate (AMS).** It is recommended to use only fine feed grade or spray grade AMS at 3 pounds per acre (17 lbs/100 gallons). However, the rate of AMS can be reduced to 1.5 pounds per acre (8.5 lbs/100 gallons) under hot environmental conditions to reduce potential leaf burn.

Ignite® 280 SL Herbicide is formulated to provide optimum herbicidal performance. Use of additional surfactants or crop oils will not enhance weed control.

## MIXING INSTRUCTIONS

Ignite® 280 SL Herbicide must be applied with properly calibrated and clean equipment. Ignite® 280 SL Herbicide is specially formulated to mix readily in water. Prior to adding Ignite® 280 SL Herbicide to the spray tank, ensure that the spray tank is thoroughly clean, particularly if a herbicide with the potential to injure crops was previously used (see *Cleaning Instructions*).

Mix Ignite® 280 SL Herbicide with water to make a finished spray solution as follows:

1. Fill the spray tank half full with water.
2. Start agitation.
3. Prepare a slurry of the proper amount of dry flowable/wettable powder tank mix partners in a small amount of water.
4. Add the slurry of dry materials to the spray tank.
5. Add the appropriate amount of ammonium sulfate (AMS) (for corn use only) to the spray tank.
6. Add the proper amount of liquid tank mix partners.
7. Complete filling the spray tank with water.
8. Add the proper amount of Ignite® 280 SL Herbicide and continue agitation.
9. If foaming occurs, use a silicone-based antifoam agent.

Ensure that all spray system lines including pipes, booms, etc. have the correct concentration of Ignite® 280 SL Herbicide/water mixture before the application is started. Flush out any remaining air or water from the spray system lines before starting the crop application. Keep bypass line on or near bottom of tank to minimize foaming. Screen size in nozzles or line strainers should be no finer than 50 mesh.

If tank mix partners recommended on this label are added, maintain good agitation at all times until contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.

## APPLICATION METHOD

Refer to the *Rate Recommendation Tables for Weed Control* in the following section for the proper application rates. Uniform, thorough spray coverage is important to achieve consistent weed control.

**Ground Application:** Ignite® 280 SL Herbicide should be applied broadcast in a minimum of 15 gallons of water per acre. Under dense weed/crop canopies, 20 to 40 gallons of water per acre should be used so that thorough spray coverage will be obtained.

Apply Ignite® 280 SL Herbicide using 80-degree or 110-degree flat-fan nozzles. Select a spray pressure between 30 to 60 pounds per square inch (psi) measured at the nozzle which will achieve a droplet size of about 300 microns. If Turbo TeeJet® spray tips are used, a spray pressure of 60 or more pounds per square inch will be required to get thorough coverage of the weed foliage. Flood-jet nozzles, raindrop nozzles, controlled droplet application equipment, or air-assisted spray equipment do not provide adequate coverage characteristics; and therefore, are not recommended because weed control is likely to be reduced.

DO NOT apply when winds are gusty or when conditions will favor movement of spray particles off the desired spray target. To avoid drift and insure consistent weed control, apply Ignite® 280 SL Herbicide with the spray boom as low as possible while maintaining a uniform spray pattern. For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy.

**Aerial Application:** Use 24 fluid ounces of Ignite® 280 SL Herbicide per acre for aerial application. Do not apply more than 43 fl. oz. of Ignite® 280 SL Herbicide per acre per growing season. Poor coverage will result in reduced weed control. Ignite® 280 SL Herbicide should be applied in a minimum of 5 gallons per acre with spray nozzle tips and sufficient pressure to provide a uniform pattern and median droplet size of 350 to 450 microns. Aerial applications with this product should be made at a maximum height of 10 feet above the crop with low drift nozzles at a maximum pressure of 40 psi.

Avoid application during conditions when uniform coverage cannot be obtained or where excessive spray drift may occur. Do not apply when wind causes drift to off-site vegetation.

## Pre-plant Burndown Application Timing

Ignite® 280 SL Herbicide may be applied as a pre-plant burndown to fields being prepared for planting of Ignite® 280 SL Herbicide tolerant and non-tolerant corn and soybean. Up to 24 fluid ounces of Ignite® 280 SL Herbicide per acre may be applied in a single application. The seasonal total for corn and soybean may not exceed 44 fluid ounces per acre.

## RATE RECOMMENDATION TABLES FOR WEED CONTROL IN CORN

Apply Ignite® 280 SL Herbicide at rates of 20 to 24 fluid ounces per acre. Rates in ounces of formulated product per acre for the control of weeds at selected heights are shown in the following tables. In weed populations with mixed species, apply at a rate needed for the species that requires the highest rate.

### Grass Weeds Controlled with Ignite® 280 SL Herbicide Plus Ammonium Sulfate in Corn

Weed Species	Maximum Weed Height or Diameter (Inches)		
	20 Fl. Oz./A	22 Fl. Oz./A	24 Fl. Oz./A
Barnyardgrass	**	3	4
Bluegrass, annual	**	3	4
Corn, volunteer <sup>1,2</sup>	**	10	12
Crabgrass, large <sup>3</sup>	**	3	4
Crabgrass, smooth <sup>3</sup>	**	3	4
Cupgrass, woolly	4	6	8
Foxtail, bristly	3	6	8
Foxtail, giant	3	6	8
Foxtail, giant (ALS resistant)	3	6	8
Foxtail, green	3	6	8
Foxtail, robust purple	3	6	8
Foxtail, yellow <sup>3</sup>	**	3	4
Goosegrass <sup>4</sup>		2	3
Johnsongrass, seedling	2	3	8
Junglerice		3	5
Millet, wild-proso	2	6	7
Millet, proso volunteer	2	6	7
Oat, wild <sup>3</sup>	**	3	4
Panicum, fall	2	3	4
Panicum, Texas	2	4	5
Rice, red	2	4	5
Rice, volunteer <sup>1,2</sup>		4	6
Sandbur, field <sup>3</sup>	**	**	2
Shattercane	**	6	8
Shattercane (ALS resistant)	**	6	8
Signalgrass, broadleaf	2	3	5
Sprangletop	2	4	5
Sorghum, volunteer	**	6	7
Stinkgrass	2	4	5
Witchgrass	2	4	5

\*\* Indicates suppression

<sup>1</sup>Volunteer LibertyLink® crops from the previous season will not be controlled.

<sup>2</sup>A timely cultivation 7 to 10 days after application and/or retreatment 10-21 days after the first application is recommended for controlling dense clumps of volunteer non-LibertyLink® crops.

<sup>3</sup>For best control of yellow foxtail, treat prior to tiller initiation.

<sup>4</sup>A sequential application may be necessary.

# Broadleaf Weeds Controlled with Ignite® 280 SL Herbicide Plus Ammonium Sulfate in Corn

Weed Species	Maximum Weed Height or Diameter		
	(Inches)		
	20 Fl. Oz./A	22 Fl. Oz./A	24 Fl. Oz./A
Amaranth, Palmer <sup>4</sup>	**	3	6
Anoda, spurred		3	5
Beggarweed, Florida	**	4	5
Black medic	3	5	6
Blueweed, Texas		5	7
Buckwheat, wild	3	6	7
Buffalobur	3	6	7
Burcucumber	3	6	8
Carpetweed	**	4	6
Chickweed, common	3	6	7
Cocklebur, common	3	6	8
Cocklebur, common (ALS resistant)	3	6	8
Copperleaf, hophornbeam	2	4	6
Cotton, volunteer <sup>1,2</sup>		6	6
Croton, tropic		3	4
Croton, woolly		2	3
Eclipta	2	4	6
Devil's claw		2	3
Fleabane, annual	3	6	8
Galinsoga, hairy	3	6	8
Galinsoga, small flower	3	6	7
Groundcherry, cutleaf	2	4	5
Geranium, cutleaf	2	4	6
Horsenettle, Carolina <sup>3</sup>		2	3
Java bean	2	4	6
Jimsonweed	3	6	8
Knotweed		3	4
Kochia <sup>4</sup>	2	4	6
Kochia (ALS resistant) <sup>4</sup>	2	4	6
Ladysthumb	3	6	8
Lambsquarters, common <sup>4</sup>	2	4	6
Lambsquarters, common (triazine resistant) <sup>4</sup>	2	4	6
Mallow, common	**	4	6
Mallow, Venice	3	6	7
Marestail <sup>3</sup>	NR	NR	6-12
Marshelder, annual	**	4	6
Morningglory, entireleaf <sup>4</sup>	2	6	7
Morningglory, ivyleaf <sup>4</sup>	3	6	7
Morningglory, pitted <sup>4</sup>	2	6	7
Morningglory, sharppod <sup>4</sup>		2	3
Morningglory, smallflower <sup>4</sup>	2	4	6
Morningglory, tall <sup>4</sup>	3	6	7
Mustard, wild	3	4	6
Nightshade, black		4	6
Nightshade, eastern black	3	6	8

Weed Species	Maximum Weed Height or Diameter (Inches)		
	20 Fl. Oz./A	22 Fl. Oz./A	24 Fl. Oz./A
Nightshade, hairy	3	6	8
Pennycress	2	4	6
Pigweed, redroot <sup>4</sup>	2	3	4
Pigweed, redroot (ALS resistant) <sup>4</sup>	2	3	4
Pigweed, redroot (triazine resistant)	2	3	4
Pigweed, prostrate <sup>4</sup>	**	3	4
Pigweed, spiny <sup>4</sup>	**	3	4
Pigweed, smooth <sup>4</sup>	**	3	4
Pigweed, tumble <sup>4</sup>	**	3	4
Primrose, cutleaf evening		12	14
Puncturevine	**	4	6
Purslane, common		2	4
Pusley, Florida		**	3
Ragweed, common	3	6	8
Ragweed, common (ALS resistant)	3	6	8
Ragweed, giant	3	6	8
Ragweed, giant (ALS resistant)	3	6	8
Senna coffee		4	6
Sesbania, hemp	3	6	8
Shepherd's-Purse	3	6	8
Sicklepod	3	4	6
Sida, prickly	3	4	5
Smartweed, Pennsylvania	3	6	8
Smellmelon	2	4	6
Sowthistle, annual	3	6	7
Soybeans, volunteer <sup>1,2</sup>		6	8
Spurge, prostrate		2	4
Spurge, spotted		2	4
Starbur, bristly		4	6
Sunflower, common	3	6	8
Sunflower, common (ALS resistant)	3	6	8
Sunflower, prairie		3	5
Sunflower, volunteer	3	6	8
Thistle, Russian <sup>3</sup>	**	NR	6-12
Velvetleaf <sup>4</sup>	3	3	4
Waterhemp, common <sup>4</sup>	2	4	5
Waterhemp, common (ALS resistant) <sup>4</sup>	2	4	5
Waterhemp, tall <sup>4</sup>	2	4	5

**\*\* indicates suppression**

<sup>1</sup>Volunteer LibertyLink® crops from the previous season will not be controlled.

<sup>2</sup>Cultivation 7 to 10 days after application and/or retreatment 10-21 days after the first application is recommended for controlling dense clumps of volunteer non-LibertyLink® crops.

<sup>3</sup>May require sequential applications for control.

<sup>4</sup>Tank mixing with atrazine may enhance weed control of this species.

NR Indicates not recommended.

# Grass Weeds Controlled with Ignite® 280 SL Herbicide Plus Ammonium Sulfate in Soybean

Weed Species	Maximum Weed Height or Diameter (Inches)		
	20 Fl. Oz./A	22 Fl. Oz./A	24 Fl. Oz./A
Barnyardgrass	**	3	4
Bluegrass, annual	**	3	4
Corn, volunteer <sup>1,2</sup>	**	10	12
Crabgrass, large <sup>3</sup>	**	3	4
Crabgrass, smooth <sup>3</sup>	**	3	4
Cupgrass, woolly	4	6	8
Foxtail, bristly	3	6	8
Foxtail, giant	3	6	8
Foxtail, giant (ALS resistant)	3	6	8
Foxtail, green	3	6	8
Foxtail, robust purple	3	6	8
Foxtail, yellow <sup>3</sup>	**	3	4
Goosegrass <sup>4</sup>		2	3
Johnsongrass, seedling	2	3	8
Junglerice		3	5
Millet, wild-proso	2	6	7
Millet, proso volunteer	2	6	7
Oat, wild <sup>3</sup>	**	3	4
Panicum, fall	2	3	4
Panicum, Texas	2	4	5
Rice, red	2	4	5
Rice, volunteer <sup>1,2</sup>		4	6
Sandbur, field <sup>3</sup>	**	**	2
Shattercane	**	6	8
Shattercane (ALS resistant)	**	6	8
Signalgrass, broadleaf	2	3	5
Sprangletop	2	4	5
Sorghum, volunteer	**	6	7
Stinkgrass	2	4	5
Witchgrass	2	4	5

**\*\* Indicates suppression**

<sup>1</sup> Volunteer LibertyLink® crops from the previous season will not be controlled.

<sup>2</sup> A timely cultivation 7 to 10 days after application and/or retreatment 10-21 days after the first application is recommended for controlling dense clumps of volunteer non-LibertyLink® crops.

<sup>3</sup> For best control of yellow foxtail, treat prior to tiller initiation.

<sup>4</sup> A sequential application may be necessary.

# Broadleaf Weeds Controlled with Ignite® 280 SL Herbicide Plus Ammonium Sulfate in Soybean

Weed Species	Maximum Weed Height or Diameter		
	(Inches)		
	20 Fl. Oz./A	22 Fl. Oz./A	24 Fl. Oz./A
Amaranth, Palmer	**	3	6
Anoda, spurred		3	5
Beggarweed, Florida	**	4	5
Black medic	3	5	6
Blueweed, Texas		5	7
Buckwheat, wild	3	6	7
Buffalobur	3	6	7
Burcucumber	3	6	8
Carpetweed	**	4	6
Chickweed, common	3	6	7
Cocklebur, common	3	6	8
Cocklebur, common (ALS resistant)	3	6	8
Copperleaf, hophornbeam	2	4	6
Cotton, volunteer <sup>1,2</sup>		6	6
Croton, tropic		3	4
Croton, woolly		2	3
Eclipta	2	4	6
Devil's claw		2	3
Fleabane, annual	3	6	8
Galinsoga, hairy	3	6	8
Galinsoga, small flower	3	6	7
Groundcherry, cutleaf	2	4	5
Geranium, cutleaf	2	4	6
Horsenettle, Carolina <sup>3</sup>		2	3
Java bean	2	4	6
Jimsonweed	3	6	8
Knotweed		3	4
Kochia	2	4	6
Kochia (ALS resistant)	2	4	6
Ladysthumb	3	6	8
Lambsquarters, common	2	4	6
Lambsquarters, common (triazine resistant)	2	4	6
Mallow, common	**	4	6
Mallow, Venice	3	6	7
Marestail <sup>3</sup>	NR	NR	6-12
Marshelder, annual	**	4	6
Morningglory, entireleaf	2	6	7
Morningglory, ivyleaf	3	6	7
Morningglory, pitted	2	6	7
Morningglory, sharppod		2	3
Morningglory, smallflower	2	4	6
Morningglory, tall	3	6	7
Mustard, wild	3	4	6
Nightshade, black		4	6
Nightshade, eastern black	3	6	8
Nightshade, hairy	3	6	8



Weed Species	Maximum Weed Height or Diameter (Inches)		
	20 Fl. Oz./A	22 Fl. Oz./A	24 Fl. Oz./A
Pennycress	2	4	6
Pigweed, redroot	2	3	4
Pigweed, redroot (ALS resistant)	2	3	4
Pigweed, redroot (triazine resistant)	2	3	4
Pigweed, prostrate	**	3	4
Pigweed, spiny	**	3	4
Pigweed, smooth	**	3	4
Pigweed, tumble	**	3	4
Primrose, cutleaf evening		12	14
Puncturevine	**	4	6
Purslane, common		2	4
Pusley, Florida		**	3
Ragweed, common	3	6	8
Ragweed, common (ALS resistant)	3	6	8
Ragweed, giant	3	6	8
Ragweed, giant (ALS resistant)	3	6	8
Senna coffee		4	6
Sesbania, hemp	3	6	8
Shepherd's-Purse	3	6	8
Sicklepod	3	4	6
Sida, prickly	3	4	5
Smartweed, Pennsylvania	3	6	8
Smellmelon	2	4	6
Sowthistle, annual	3	6	7
Soybeans, volunteer <sup>1,2</sup>		6	8
Spurge, prostrate		2	4
Spurge, spotted		2	4
Starbur, bristly		4	6
Sunflower, common	3	6	8
Sunflower, common (ALS resistant)	3	6	8
Sunflower, prairie		3	5
Sunflower, volunteer	3	6	8
Thistle, Russian <sup>3</sup>	**	NR	6-12
Velvetleaf	3	3	4
Waterhemp, common	2	4	5
Waterhemp, common (ALS resistant)	2	4	5
Waterhemp, tall	2	4	5

\*\* indicates suppression

<sup>1</sup>Volunteer LibertyLink® crops from the previous season will not be controlled.

<sup>2</sup>Cultivation 7 to 10 days after application and/or retreatment 10-21 days after the first application is recommended for controlling dense clumps of volunteer non-LibertyLink® crops.

<sup>3</sup>May require sequential applications for control.

NR Indicates not recommended.

## INSTRUCTIONS FOR BIENNIAL/PERENNIAL WEEDS IN CORN AND SOYBEANS

Ignite® 280 SL Herbicide applied at 24 fluid ounces per acre will provide top-growth control or suppression of the biennial/perennial weed species shown in the following table. A second application of Liberty Herbicide 280 SL at 20 fluid ounces per acre or a tank mix with other herbicides selected from those listed on this label is required for control.

### **Biennial/Perennial Weeds Suppressed or Controlled with Ignite® 280 SL Herbicide Plus Ammonium Sulfate**

WEED SPECIES	24 FLUID OUNCE/ACRE	22 FLUID OUNCE/ACRE FOLLOWED BY 22 FLUID OUNCE/ACRE
Alfalfa	**	✓
Artichoke, Jerusalem	**	✓
Bermudagrass	**	✓
Bindweed, field	**	✓
Bindweed, hedge	**	✓
Bluegrass, Kentucky	**	✓
Blueweed, Texas	**	✓
Bromegrass, smooth	**	✓
Burdock	**	✓
Bursage, woollyleaf	**	✓
Chickweed, Mouse-ear	**	✓
Clover, Alsike	**	✓
Clover, red	**	✓
Dandelion	**	✓
Dock, smooth	**	✓
Dogbane, hemp	**	**
Goldenrod, gray	**	**
Johnsongrass, rhizome	**	✓
Milkweed, common	**	**
Milkweed, honeyvine	**	**
Muhly, wirestem	**	**
Nightshade, silverleaf	**	✓
Nutsedge, purple	**	**
Nutsedge, yellow	**	**
Orchardgrass	**	✓
Poinsettia, wild	**	✓
Pokeweed	**	✓
Quackgrass	**	**
Thistle, bull	**	✓
Thistle, Canada	**	✓
Timothy	**	**

✓ Indicates control

\*\* Indicates suppression

## APPLICATION DIRECTIONS FOR USE IN FIELD CORN SEED AND SOYBEAN SEED PROPAGATION

Ignite® 280 SL Herbicide may be applied to select out susceptible “segregates”, i.e., corn and soybean plants that are not tolerant to glufosinate-ammonium during seed propagation. Inbred lines, plants not possessing glufosinate-ammonium tolerance, will be severely injured or killed if treated with this herbicide. A hooded sprayer may be used to protect corn and soybean plants from coming into contact with the herbicide application.

### Rate Recommendations for Seed Production

**Corn:** For the selection of tolerant corn “segregates”, Liberty®280 SL Herbicide may be applied at up to 24 fluid ounces per acre plus ammonium sulfate (AMS) at 3 pounds per acre when corn is in the V-3 to V-4 stage of growth, i.e., 3 to 4 developed collars. A second treatment of 20 fluid ounces per acre plus AMS at 3 pounds per acre may be applied when the corn is in the V-6 to V-7 stage of growth or up to 24” tall.

**Soybeans:** For the selection of tolerant soybean “segregates”, Ignite® 280 SL Herbicide may be applied at up to 24 fluid ounces per acre when soybean is in the third trifoliolate stage. A second treatment of 20 fluid ounces per acre may be applied up to but not including the bloom growth stage of soybean.

## APPLICATION DIRECTIONS FOR USE ON CANOLA\*

To assure the optimum benefit from the use of Ignite® 280 SL Herbicide, apply when weeds are in an early stage of growth, before they stress the growth of canola. Apply as described in the “Application Methods” section to get maximum weed control.

**\*Use on Canola not permitted in California unless otherwise directed by supplemental labeling.**

### APPLICATION TIMING

Applications of Ignite® 280 SL Herbicide on canola may be made from the cotyledon stage up to the early bolting stage of the canola. Slight discoloration of the canola may be visible after application. This effect is temporary and will not influence crop growth, maturity or yield. Ignite® 280 SL Herbicide is a foliar-active material with no soil-residual activity. For best results, apply to emerged, young actively growing weeds. Weeds that emerge after application will not be controlled. Ignite® 280 SL Herbicide will have an effect on weeds that are larger than the recommended leaf stage, however speed of activity and control may be reduced. Weed control may be reduced if application is made when heavy dew, fog, and mist/rain are present; or when weeds are under stress due to drought, cool temperatures or extended periods of cloudiness. Ignite® 280 SL Herbicide is rainfast 4 hours after application, therefore, rainfall within 4 hours may necessitate retreatment.

### RESTRICTIONS TO THE DIRECTIONS FOR USE ON CANOLA

1. **DO NOT** use on canola in the states of Alabama, Delaware, Georgia, Kentucky, Maryland, New Jersey, North Carolina, South Carolina, Tennessee, Virginia and West Virginia
2. **DO NOT** apply more than 49 fluid ounces per acre of Ignite® 280 SL Herbicide for weed control on the canola crop per growing season.
3. **DO NOT** apply Ignite® 280 SL Herbicide within 65 days of harvesting canola.
4. **DO NOT** graze the treated crop or cut for hay.
5. **DO NOT** add surfactants or crop oils. Anti-foams or drift control agents may be added if needed.
6. **DO NOT** apply Ignite® 280 SL Herbicide if canola shows injury from prior herbicide applications or environmental stress (drought, excessive rainfall, etc.).
7. **DO NOT** apply this product through any type of irrigation system.
8. **DO NOT** tank mix Ignite® 280 SL Herbicide with other pesticides including herbicides unless recommended on this label.
9. **Rotational Crop Restrictions**

Rotational Crop Planting Intervals Following Application of Ignite® 280 SL Herbicide to Canola. Failure to comply with these restrictions may result in illegal residues in rotated crops.

ROTATIONAL CROP	PLANT BACK INTERVAL (MINIMUM ROTATIONAL CROP PLANTING INTERVAL FROM LAST APPLICATION IN DAYS)
Cotton, Corn, Soybeans, Rice, Sugarbeets, Canola.	May be planted at any time
Root and Tuber Vegetables, Leafy Vegetables, Brassica Leafy Vegetables and Small Grains (barley, buckwheat, oats, rye, teosinte, triticale, and wheat).	70
All Other Crops	180

## SPRAY ADDITIVES

Ignite® 280 SL Herbicide must be applied with ammonium sulfate (AMS). Use only fine feed grade or spray grade AMS at 3 pounds per acre. Anti-foams or drift control agents may be added if needed.

## MIXING INSTRUCTIONS

Ignite® 280 SL Herbicide must be applied with properly calibrated and clean equipment. Ignite® 280 SL Herbicide is specially formulated to mix readily in water. Prior to adding Ignite® 280 SL Herbicide to the spray tank, ensure that the spray tank is thoroughly clean, particularly if a herbicide with the potential to injure crops was previously used (see *Cleaning Instructions*).

Mix Liberty Herbicide with water to make a finished spray solution as follows:

1. Fill tank to one-half full with clean water.
2. Add the appropriate amount of AMS to the spray tank.
3. If tank mixing with a grass herbicide specified on this label, add the correct amount of the grass herbicide.
4. Add the correct amount of Ignite® 280 SL Herbicide.
5. Add the remaining amount of water, begin agitation, and spray out immediately.

The addition of an antifoaming agent may reduce foaming, especially when using soft water.

Ensure that all spray system lines including pipes, booms, etc. have the correct concentration of Ignite® 280 SL Herbicide/water mixture before the application is started. Flush out any remaining air or water from the spray system lines before starting the crop application. Keep bypass line on or near bottom of tank to minimize foaming. Screen size in nozzles or line strainers should be no finer than 50 mesh.

If the tank mix partners recommended on this label are added, maintain good agitation at all times until contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.

## APPLICATION METHODS

**Do not use flood jet nozzles, controlled droplet application equipment or air-assisted spray equipment. Uniform, thorough spray coverage is important to achieve consistent weed control.**

**Ground application:** Refer to the *Rate Recommendation Tables for Weed Control in Canola* for proper application rates. DO NOT apply when winds are gusty, or when conditions will favor movement of spray particles off the desired spray target. To avoid drift and insure consistent weed control, apply Ignite® 280 SL Herbicide with the spray boom as low as possible while maintaining a uniform spray pattern. Ignite® 280 SL Herbicide should be applied broadcast in a minimum of 10 gallons of water per acre using a minimum spray pressure of 40 pounds per square inch and a maximum ground speed of 10 mph. The use of 80 degree or 110 degree flat fan nozzles is highly recommended for optimum spray coverage and canopy penetration. Application of the spray at a 45 degree angle forward will result in better spray coverage. **Under dense weed/crop canopies, a broadcast rate of 15-20 gallons of water per acre should be used so that thorough spray coverage will be obtained.** For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy.

**Aerial application:** Calibrate the spray equipment prior to use. Ignite® 280 SL Herbicide should be applied in a minimum of 5 gallons of water per broadcast acre. To get uniform spray coverage, use nozzles to provide 200-350 micron size droplets. DO NOT use raindrop nozzles. Aerial applications with this product should be made at a maximum height of 10 feet above the crop with low drift nozzles at a maximum pressure of 40 psi.

Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Do Not apply when wind causes drift to off-site vegetation.

### Pre-plant Burndown Application Timing

Ignite® 280 SL Herbicide may be applied as a pre-plant burndown to fields being prepared for planting of Ignite® 280 SL Herbicide tolerant and non-tolerant canola. Up to 24 fluid ounces of Ignite® 280 SL Herbicide per acre may be applied in a single application. The seasonal total for canola may not exceed 49 fluid ounces per acre.

## RATE RECOMMENDATION TABLES FOR WEED CONTROL IN CANOLA

The rate of Ignite® 280 SL Herbicide in fluid ounces (pints) of formulated product per acre to be used for the control of weeds at selected heights are shown in the following tables. In weed populations with mixed species, select the rate needed for all species present.

*Grass Weeds Controlled with Ignite® 280 SL Herbicide at 24 fl. oz./A (1.5 pt./A)  
Plus Ammonium Sulfate*

Weed Species	Growth Stage of Weed (Leaves/Max. Height)	Comments
Barley, volunteer*	1-3 leaves (3")	A second application may be required
Foxtail, yellow	1-4 leaves (2")	Apply prior to tillering
Sandbur, field		
Oat, wild	1-4 leaves (4")	Maximum of 1 tiller; a second application may be required
Wheat, volunteer		
Corn, volunteer	1-4 leaves (6")	---
Barnyardgrass	1-5 leaves (3")	Maximum of 1 tiller
Crabgrass, large		
Crabgrass, smooth		
Millet, volunteer proso		
Millet, wild proso		
Panicum, fall		
Panicum, Texas		
Foxtail, giant	1-6 leaves (4")	Maximum of 2 tillers
Foxtail, green		
Cupgrass, woolly	1-8"	---

**\* Suppression only**

When used in tank-mix combination with Assure® II Herbicide at 4 to 5 fl. oz. per acre, Select® 2EC Herbicide at 2 to 3 fl. oz. per acre, or Poast® Herbicide at 6 to 8 fl. oz. per acre, Ignite® 280 SL Herbicide may be applied at 20 fl. oz. per acre plus ammonium sulfate to control grass weed species at the growth stage of weeds indicated in the table above. For improved control of heavy populations or larger than recommended volunteer wheat, volunteer barley, yellow foxtail, and wild oats, Ignite® 280 SL Herbicide at 24 fl. oz per acre can be tank mixed with Assure® II Herbicide, or Poast® Herbicide.

*Perennial Weeds Controlled with Ignite® 280 SL Herbicide at 24 fl. oz./A (1.5 pt./A)  
Plus Ammonium Sulfate*

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Weed Species	Growth Stage of Weed (Leaves/Max. Height)	Comments
Quackgrass	1-4 leaves (4")	Top growth control; a second application may be required.
Sowthistle, perennial	1-6 leaves (4")	
Thistle, Canada		

*Broadleaf Weeds Controlled with Ignite® 280 SL Herbicide at 24 fl. oz./A (1.5 pt./A)  
Plus Ammonium Sulfate*

Weed Species	Growth Stage of Weed (Leaves/Max. Height)	Comments
Buckwheat, wild	1-3 leaves	Up to 1" in height
Pigweed, redroot		Up to 2" in height
Carpetweed	1-4 leaves	Up to 2" in height
Lambsquarter, common		
Marshelder		
Ladysthumb		
Pigweed, smooth		Up to 3" in height
Pigweed, spiny		
Smartweed, Pennsylvania		
Velvetleaf		
Mustard, wild	1-5 leaves	Up to 3" in height
Buffalobur	1-6 leaves	Up to 3" in height
Chickweed, common		
Mallow, Venice		
Nightshade, eastern black		
Ragweed, giant		
Shepherd's purse		
Sowthistle, annual		
Cocklebur, common	1-8 leaves	Up to 5" in height
Ragweed, common		
Sunflower, common		
Kochia	1-2"	---
Thistle, Russian		---
Pigweed, prostrate	1-3"	---
Purslane, common		---
Waterhemp, tall		---
Wormwood, biennial		---
Pennycress, field	1-4"	---
Dandelion	1-6"	Diameter of rosette

For optimum canola yield, early weed removal and application prior to canola bolting is important. For optimum control of both early and late germinating grass and broadleaf weed species, Ignite® 280 SL Herbicide may be applied sequentially at 14 fl. oz./A to 1-3 leaf grass and 1-2" broadleaf weed species followed by a second application of 14 fl. oz./A 7-10 days later.

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577

For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

or

Visit our worldwide web site at [www.bayercropscienceus.com](http://www.bayercropscienceus.com)

As with any crop-protection product, always read and follow label directions.

For additional information call toll-free 1-866-99BAYER (1-866-992-2937).

Ignite® 280 SL Herbicide

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