

# DAYBREAK XL™

DRY WATER CONDITIONING AGENT  
FOR HERBICIDE SPRAYS

WITH FIELDSTAR™ MICROBIAL TECHNOLOGY FOR ACCELERATING CROP RESIDUE BREAKDOWN

## Principal Functioning Agents

Ammonium Sulfate, 2-Hydroxy-1,2,3-Propanetricarboxylic Acid, Consortium of Microbials.....100%  
**TOTAL...100%**

All ingredients are exempt from the requirement of a tolerance under 40 CFR 180.

### FIELDSTAR™ Microbial Technology Minimum Guaranteed Analysis

Microbial content.....	2.5%
Bacillus amyloliquefaciens.....	2.125 x 10 <sup>9</sup> cfu/g
Bacillus licheniformis.....	8.500 x 10 <sup>9</sup> cfu/g
Bacillus megaterium.....	2.125 x 10 <sup>9</sup> cfu/g
Bacillus pumilus.....	6.375 x 10 <sup>9</sup> cfu/g
Phanerochaete chrysosporium.....	1.487 x 10 <sup>5</sup> cfu/g
Trichoderma harzianum.....	6.375 x 10 <sup>5</sup> cfu/g



## WARNING

**KEEP OUT OF REACH OF CHILDREN**  
**READ ENTIRE LABEL BEFORE USING**

### Hazard Statements

Causes serious eye irritation.  
May be harmful if swallowed.  
Causes mild skin irritation.  
May be harmful in contact with skin.

### Precautionary Statements

Wear protective gloves and eye/face protection. Wash hands, face, and other affected areas thoroughly after handling. Do not eat, drink, or smoke when using this product.

### Storage, Disposal and Spill

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

**Storage:** Store in tightly closed bag in a dry, well ventilated area, away from excessive heat, open flame and incompatibles (oxidizing agents, bases, chlorates, nitrates). Do not allow water or other chemicals to be introduced into contents of bag during storage.

**Disposal:** Do not contaminate water sources by cleaning of equipment or disposal of wastewaters. Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility. Dispose of contents in accordance with local and national regulations.

**Spill:** If spill occurs, do not attempt to clean up with water, simply sweep and dispose of material. Dispose of contents in accordance with local and national regulations

DAYBREAK XL and FIELDSTAR  
are trademarks of Plantnetics, LLC

**NOT FOR AQUATIC USE**

### General Information

DAYBREAK XL is a water conditioning adjuvant system along with a proprietary consortium of microorganisms to hasten the natural breakdown and conversion of crop residue into nutrient rich soil organic matter.

FIELDSTAR Microbial Technology consists of a premium blend of microorganisms and fungi that actively break down crop residue while cycling nutrients for subsequent uptake. FIELDSTAR is a proven microbial collection that is used on millions of acres annually. Accelerated breakdown of crop residue allows for more carbon to be captured and recycled to build soils, increase nutrient availability, and enhance plantability for greater yield potential.

DAYBREAK XL is suitable for use alone or in tank mix applications with burn down herbicides such as glyphosate, 2,4-D, and others requiring AMS or water conditioning to prevent hard water antagonism. The sulfur in DAYBREAK XL serves as an important food source for bacteria to multiply and is a key component for protein synthesis both for plants and bacteria.

DAYBREAK XL is a spray-grade formulation that readily dissolves in water to neutralize antagonism from hard water minerals such as iron, calcium and magnesium. When used at the labeled rate, DAYBREAK XL delivers the equivalent water conditioning and chelating performance of up to 2% by weight (w/w) of ammonium sulfate spray solutions.

DAYBREAK XL is compatible with a wide range of crop protection inputs and can be used with additional tank mixed spray adjuvants such as nonionic surfactants and drift control agents as needed.

Crop residue that has been sprayed with DAYBREAK XL is not harmful to livestock.

### First Aid

**If in Eyes:** Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. If eye irritation persists, get medical attention.

**If Swallowed:** Rinse mouth. 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 you feel unwell, call a poison control center or physician immediately for treatment advice.

**If Inhaled:** Move person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. If you feel unwell, call a poison control center or physician for further treatment advice.

**If on Skin or Clothing:** Rinse skin immediately with plenty of soap and water for 15 to 20 minutes. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash before reuse.

Manufactured for:



15814 Champion Forest Drive, #191  
Spring, TX 77379

832-843-3199 • www.plantnetics.com

### Directions For Use

Always read and follow the directions of the herbicide label that is being used with this spray adjuvant. Additional surfactant and drift/deposition aids are compatible and recommended with this product. Observe all precautionary statements on the herbicide label.

### Use Rates for Ground Application

Use 5 pounds of DAYBREAK XL per 100 gallons of water applied at 12 to 15 gallons per acre.

### Seasonal Applications

**Fall:** Apply after harvest for best performance.

**Spring:** Apply with early herbicide application or in the termination of cover crops.

**Summer:** Ideal for breaking down wheat stubble.

Note: Specific timing for optimal use varies based on tillage practices, fertility levels and other factors.

### Mixing Instructions

**Tank mixes containing DAYBREAK XL should be used within 48 hours of mixing for best results.** Unless otherwise instructed by accompanying crop protection label, follow these mixing instructions:

1. Fill spray tank one half full of water and begin agitation.
2. SLOWLY add required amount of DAYBREAK XL to the water at the point of maximum agitation. Vigorous agitation is required to disperse the product.
3. Continue agitation until DAYBREAK XL is completely dissolved.
4. Continue filling while recirculating.
5. Add herbicides and/or additional adjuvants as directed by the herbicide label.

Maintain good agitation until the contents of the tank are sprayed. If mixture is allowed to settle, thorough agitation is required to resuspend mixture before spraying is resumed. Always make sure that dry powders are completely dissolved in the spray tank.

### Emergency Phone Numbers

Have the product container with you when calling a poison control center or doctor, or going for treatment.

CHEMTREC: (800) 424-9300

POISON CONTROL CENTER: (800) 222-1222

### Warranty

Note: Read the information contained herein before buying or using this product. If the stated terms are not acceptable, return the product at once, unopened. It is critical that this product be used and mixed only as specified on this label. Neither the manufacturer nor the seller makes any representation or warranty, expressed or implied, with respect to the results from the use of this material. Buyer and user assume all risks of use and/or handling. Plantnetics, LLC warrants that this material is reasonably fit for use as specified on this label. No agent or representative is authorized to make any other representations concerning this material. Unforeseen factors beyond Plantnetics' control prevent elimination of risks in connection with the use of its products. Such risks include, but are not limited to, damage to plants and/or crops to which the material is applied, or lack of complete control and damage caused by drift to other plants or crops. Such risks may occur even though the product is reasonably fit for use as stated herein and even though label directions are followed. Follow directions carefully. Timing, mixture, method of application, weather and other conditions are influencing factors in the use of this product and are beyond the control of the seller. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the company or any other seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved.