



# CORNBELT<sup>®</sup> SHEPHERD<sup>™</sup> DRA 2.0

**Water Conditioning and Nonionic Surfactant Plus Drift Reduction Agent for Dicamba Tank Mixes.**

## ACTIVE INGREDIENTS:

Beta-hydroxy Tricarballylate, Alkyl Polyglucoside, Monocarbamide Dihydrogen Sulfate, Poly 1-Carbamoylethylene, Crospovidone and Dimethyl Siloxane .....	34.75%
<b>Intert Ingredients</b> .....	65.25%
<b>TOTAL:</b> .....	100.00%

Note: Ingredients exempt from tolerances under 40CFR 180.920

## WARNING

**STOP-READ ENTIRE LABEL BEFORE USING  
AND  
KEEP OUT OF REACH OF CHILDREN**

## Hazard Statements

Harmful if swallowed. Harmful if inhaled. May cause respiratory irritation. Causes skin and eye irritation.

## Precautionary Statements

Wash thoroughly after handling.  
Wear protective gloves/eye protection/face protection.  
Avoid breathing fumes/mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection.  
Do not eat, drink or smoke when using this product.

## First Aid

**IF SWALLOWED:** Call a POISON CONTROL CENTER or doctor/physician if you feel unwell.  
**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CONTROL CENTER if you feel unwell.  
**IF ON SKIN (or hair):** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.  
If skin irritation occurs: Get medical advice/attention.  
**IF IN EYES:** Rinse continually with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists: get medical advice/attention.

Van Diest Supply Company  
1434 220th Street, Webster City, Iowa 50595  
515-832-2366

## Net Contents: 2.5 Gallons

## PRECAUTIONARY STATEMENTS

**WARNING:** Causes skin and eye irritation. Wear protective gloves, eye and face protection. Harmful if swallowed. Do not eat, drink or smoke when using this product. Harmful if inhaled. Avoid breathing fumes/mist/vapors/spray. May cause respiratory irritation. Read and follow all precautionary statements on the accompanying pesticide label(s).

### FIRST AID

**If swallowed:** Call a POISON CONTROL CENTER or doctor/physician if you feel unwell. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Keep at rest.

**If on skin (or hair):** Remove contaminated clothing and wash before reuse. Wash affected area with plenty of soap and water. Get medical attention if irritation occurs. Do not use solvents or thinners.

**If inhaled:** Remove victim to fresh air. Keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration, preferable mouth-to-mouth. Get medical attention. Call a POISON CONTROL CENTER or doctor/physician if you feel unwell.

**If in eyes:** Flush eyes with plenty of water for at least ten minutes. Remove contact lenses if present and easy to do – continue rinsing. Call a physician if irritation persists.

## USE PRECAUTIONS

The amount and degree of drift depends on many factors including, but not limited to, the type of pesticide, application conditions, equipment and vegetation near the target spray area. CORNBELT® SHEPHERD™ DRA 2.0 functions as a drift and volatility management tool. It will not totally eliminate spray drift or volatility.

## STORAGE AND DISPOSAL

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

### Storage:

Keep this container tightly closed. Do Not Freeze. Store in original container. Do not allow water or other chemicals to be introduced into contents of container. Do not contaminate water sources with equipment washwater, spray disposal wastes or by cleaning of equipment.

In the event of a major spill, fire or other emergency, call CHEMTREC at (800) 424-9300.

### Disposal:

Triple rinse container and pour rinsate into spray tank. Do not reuse container. Offer triple-rinsed container for recycling, or puncture and dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Dispose of contents/container in accordance with local/national/international regulations.

## GENERAL INFORMATION

CORNBELT® SHEPHERD™ DRA 2.0 is a drift reduction agent that contains patent pending polymer technology designed to reduce impact of shear stress on drift mitigation. The DRA polymer system in CORNBELT® SHEPHERD™ DRA 2.0 is different from conventional systems in that the polyacrylamide is specially developed to be less sensitive to shear stress. The addition of Crospovidone further enhances the resistance to polymer contraction. This system is designed for use with nozzles which deliver coarse spray quality droplets and balances drift mitigation with properly sized droplets so as to minimize interference with herbicide activity.

CORNBELT® SHEPHERD™ DRA 2.0 is an ammonium-free water conditioning agent designed for glyphosate tank mixes with dicamba and other herbicides. CORNBELT® SHEPHERD™ DRA 2.0 is a strong water conditioner that is designed to increase the activity of glyphosate in hard water. CORNBELT® SHEPHERD™ DRA 2.0 is NOT an acidifier but is a true buffer that tends to hold the pH of a spray solution of a glyphosate tank mix with dicamba in the range of 5.0 to 5.2.

CORNBELT® SHEPHERD™ DRA 2.0 is a patent pending technology that helps to manage the volatility of dicamba salts. CORNBELT® SHEPHERD™ DRA 2.0 contains a nonionic surfactant specifically designed to improve the performance of glyphosate. CORNBELT® SHEPHERD™ DRA 2.0 contains an advanced defoaming system to minimize foaming in the spray tank.

## DIRECTIONS FOR USE

CORNBELT® SHEPHERD™ DRA 2.0 is intended for use with products registered for agricultural, horticultural, turf, ornamental, industrial and non-crop uses.

**WARNING:** Read and follow all pesticide label directions. Do not use where the pesticide label specifically prohibits the use of an adjuvant. If the pesticide label neither recommends nor prohibits an adjuvant, the applicator must have previous experience with the adjuvant/pesticide spray mixture or should apply a small test area before making large scale applications. The addition of an adjuvant to spray mixtures may cause phytotoxicity to susceptible crop and vegetation. Care should be exercised when using on new varieties or crops not previously treated with CORNBELT® SHEPHERD™ DRA 2.0.

### USE RATE FOR WATER CONDITIONING:

Use CORNBELT® SHEPHERD™ DRA 2.0 at 1 to 4 quarts per 100 gallon of spray solution based on water hardness.

Water Hardness	# of Quarts per 100 Gallon
< 300 ppm	1 qt
300 - 500 ppm	2 qt
> 500 ppm	3 to 4 qt

### USE RATE AS A BUFFER FOR DICAMBA GLYPHOSATE MIXES:

Use CORNBELT® SHEPHERD™ DRA 2.0 at 8 pints per 100 gallons of spray mix.

### USE RATE AS A DRA FOR DICAMBA TANK MIXES:

► **ENGENIA® and TAVIUM® Tank Mixes:** Use CORNBELT® SHEPHERD™ DRA 2.0 at 5 to 8 pints per 100 gallons of spray mix.

► **XTENDIMAX® Tank Mixes:** Use CORNBELT® SHEPHERD™ DRA 2.0 at 8 pints per 100 gallons of spray mix.

### USE RATE AS A GENERAL USE DRIFT REDUCTION AGENT:

Use CORNBELT® SHEPHERD™ DRA 2.0 at 2 to 4 quarts per 100 gallons of spray mix.

**MIXING:** Add CORNBELT® SHEPHERD™ DRA 2.0 to the spray mix prior to adding the herbicide(s) to the spray mix.

## CONDITIONS OF SALE AND WARRANTY

The directions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result beyond the control of Van Diest Supply Company or the Seller. All such risks shall be assumed by the Buyer.

Van Diest Supply Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. VAN DIEST SUPPLY COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL VAN DIEST SUPPLY COMPANY OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Van Diest Supply Company and the Seller offer this product, and the Buyer and the User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Van Diest Supply Company.

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