



Spray Tank Concentrates

MERISTEM[®]
CROP PERFORMANCE

ADVANCED CONCENTRATES SYSTEM

The Advanced Concentrate System (ACS) from Meristem Crop Performance is designed to help independent ag retailers and large farm businesses manufacture superior spray tank adjuvants on-site.



AQUADRAFT® C is a concentrated surfactant package. To make finished products, spray-grade AMS is put into a solution with water added at your location—dramatically reducing freight cost and distribution markups. Finished products made from this system include a 3.0 and 3.4lb AMS water conditioner with a 90/10 non-ionic surfactant that can be approved for Enlist One® & Enlist Duo®.



TRUTRACK® C is designed to work in partnership with AQUADRAFT C or to make a stand alone best-in-class drift and deposition agent. When a 3.1 lb/gal liquid AMS is combined with AQUADRAFT C and TRUTRACK C, a finished product can be made locally that is truly revolutionary – an AMS water conditioner, 90/10 NIS and drift and deposition product all in one jug.

PRINCIPAL FUNCTIONING AGENTS

Sugar based humectant, substituted fatty alkylammonium alkylcarboxylate, alkyl poly glucoside and Di-ammonium sulfate.....53%
Constituents ineffective as spray adjuvant.....47%
TOTAL.....100.0%
Surfactant Content.....24%

Components exempt from the requirement of a tolerance in CFR 40.180, 920, 930, 940, 950, 960 & 258

PRINCIPAL FUNCTIONING AGENTS

Modified Vegetable Oil,
Amine Salts of Organic Acids
and Organic Acid.....100%

Components exempt from the requirement of a tolerance in CFR 40.180

By using AQUADRAFT C and TRUTRACK C, in addition to spray grade AMS, this system gives you all the tools to fight back, cut costs, and become your own basic manufacturer of adjuvants.

BENEFITS INCLUDE:

- **ALL-IN-ONE** with Superior Performance
- **Ultimate Convenience** at the Spray Trailer
- **Improved Margin** Opportunity for Dealers While Handling Less SKUs
- **Cut your adjuvant cost of goods**

by 50%+ by Removing Freight and Distribution Markups and Putting Your Infrastructure to Work

- **Finished Products Approved for ENLIST ONE® & ENLIST DUO®***



LOCALLY BLENDED ADJUVANTS

For additional blending information or recommended use rates for finished products, view product Tech Sheets or labels using the QR codes below.

1 gal TRUTRACK C + 1 gal AQUADRAFT C + 8 gal LIQUID AMS = **AQUADRAFT[®] EXTREME**
WATER CONDITIONER & SURFACTANT • DRY



RAWS NEEDED TO MAKE CERTAIN VOLUME OF AQUADRAFT EXTREME

Gal of AQUADRAFT EXTREME	10	100	500	1,500	2,000	2,500
AMS (lbs)	27	271	1,357	4,072	5,429	6,786
Water (lbs)	53	528	2,642	7,925	10,567	13,209
Water (gal)	6.35	63.31	316.79	950.24	1,267.02	1,583.81
TRUTRACK C (gal)	1	10	50	150	200	250
AQUADRAFT C (gal)	1	10	50	150	200	250

Water = 8.34 lbs/gal
TRUTRACK C = 7.80 lbs/gal
AQUADRAFT C = 10.02 lbs/gal

1 part AQUADRAFT C + 9 parts AMS = **AQUADRAFT[®] PREMIUM**
WATER CONDITIONER & SURFACTANT



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Spray Tank Adjuvants

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AQUADRAFT®

EXTREME

WATER CONDITIONER & SURFACTANT + DRT

**YOUR ALL-IN-ONE
APPROVED TANK MIX
PARTNER FOR ENLIST™,
LIBERTY® & ROUNDUP®**



- **Enlist One® Approved Adjuvant***
- **Enlist Duo® Approved Adjuvant***

AQUADRAFT® EXTREME is a blend of water conditioning agent (ammonium sulfate), surfactants, drift reduction agents and humectants. AQUADRAFT EXTREME contains antifoaming agent to minimize foaming.

AQUADRAFT EXTREME may be used with pesticides that either require or suggest the use of surfactants and/or ammonium sulfate as the recommended adjuvant.

PRODUCT BENEFITS

- **All-In-One technology with superior performance**
- **Ultimate convenience at the spray trailer**
- **Designed for glyphosate, glufosinate, ENLIST and other herbicides requiring a high load of AMS**
- **Pre-dissolved liquid ammonium sulfate means reduced nozzle plugging and sediment and performance**
- **Improved deposition and coverage: More correct size droplets for greater leaf coverage**

A FIRST-EVER COMBINATION OF AN AMS-BASED WATER CONDITIONER AND SURFACTANT SYSTEM WITH OIL BASED DRIFT CONTROL

PRINCIPAL FUNCTIONING AGENTS

Ammonium Sulfate, Humectant, substituted fatty alkylammonium alkylcarboxylate, alkyl poly glucoside, modified vegetable oil, amine salts of organic acids, organic acids	41.6%
Constituents ineffective as spray adjuvant	58.4%
TOTAL	100.0%

Components exempt from the requirement of a tolerance in CFR 40 180, 920, 930, 940, 950, 960 & 25B

Each gallon of AQUADRAFT EXTREME contains 3.1 lbs of ammonium sulfate.

DIRECTIONS FOR USE

The addition of adjuvants to some pesticides and/or fertilizers and their tank mixes may cause phytotoxicity to the foliage and/or fruit of desirable crops. The applicator or crops advisor must have experience with the pesticide combination.

RECOMMENDED USE RATE

AQUADRAFT EXTREME should be used at a rate of 1 gallon per 100 gallons of spray volume with ROUNDUP and ENLIST. Use a rate of 2 gallons per 100 gallons of spray volume with LIBERTY.

Always read and follow the specific pesticide label directions, adjuvant suggestions, rates and mixing instructions.

PRODUCT AVAILABILITY

- 2x2.5 gallon case
- 250 gallon tote

Weight: 9.78 lb/gal

Specific Gravity: 1.17

*Approval pending. **Always check manufacturer's website for approved tank mix partners.

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AQUADRAFT®

PREMIUM

WATER CONDITIONER & SURFACTANT

**PUT YOUR SPRAY PROGRAM
ON THE FAST TRACK TO
HIGHER PERFORMANCE**

**YOUR ALL-IN-ONE
APPROVED TANK MIX
PARTNER FOR ENLIST™,
LIBERTY® & ROUNDUP®**



- **Enlist One® Approved Adjuvant***
- **Enlist Duo® Approved Adjuvant***

AQUADRAFT™ PREMIUM by Meristem Crop Performance™ is an Enlist® approved blend of water conditioning agent (ammonium sulfate), surfactants, and humectants.

AQUADRAFT PREMIUM may be used with pesticides that either require or suggest the use of surfactants and/or ammonium sulfate as the recommend adjuvant.

PRODUCT BENEFITS

- **Convenient premix for use with Enlist technology**
- **Designed for glyphosate, glufosinate and other herbicides requiring a high load of AMS**
- **Pre-dissolved liquid ammonium sulfate means reduced nozzle plugging and sedimentation.**
- **Conditions water in the tank and works on the leaf surface to move the herbicide into the plant.**
- **Formula designed to minimize foaming**
- **Can be used in place of ordinary surfactants, dry ammonium sulfate or other ammonium sulfate replacement products to maximize simplicity and performance**

PRINCIPAL FUNCTIONING AGENTS

Ammonium Sulfate, Humectant, substituted fatty alkylammonium alkylcarboxylate, N-oxide and alkyl poly glucoside.....	45.5%
Constituents ineffective as spray adjuvant.....	54.5
TOTAL.....	100%

This product may have 30% or 34% AMS

Components exempt from the requirement of a tolerance in CFR 40 180, 920, 930, 940, 950, 960 & 25B

DIRECTIONS FOR USE

The addition of adjuvants to some pesticides and or fertilizers and their tank mixes may cause phytotoxicity to the foliage and/or fruit of desirable crops. The applicator or crops advisor must have experience with the pesticide combination.

RECOMMENDED USE RATE

AQUADRAFT PREMIUM should be used at a rate of 0.75-2.5 gallons per 100 gallons of spray volume (0.75 to 2.5 % V/V). Do not use at rates above 5% V/V.

PRODUCT AVAILABILITY

- 2 x 2.5 gallon case
- 250 gallon tote

Weight: 9.85 lb/gal

Specific Gravity: 1.18

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TRUTRACK® HD

DRIFT REDUCTION & DEPOSITION AID

**PUT YOUR SPRAY PROGRAM ON THE FAST
TRACK TO HIGHER PERFORMANCE**

**YOUR ALL-IN-ONE
APPROVED TANK
MIX PARTNER**



- **Enlist One® Approved Adjuvant***
- **Enlist Duo® Approved Adjuvant***

TRUTRACK® HD is an Enlist™ approved adjuvant that functions as a deposition aide.

PRODUCT BENEFITS

- **Approved for use with Enlist and XtendiMax® technologies**
- **Reducing fines: Delivers more droplets in the preferred droplet diameter spectrum**
- **Improves deposition and coverage: More correct size droplets for greater leaf coverage**
- **Helps get more active ingredients lower into plant canopy for better efficacy**
- **Easy to handle with a low use rate**

PRINCIPAL FUNCTIONING AGENTS

Soybean oil; castor oil; ethoxylate oleate	100%
TOTAL	100.0%

All ingredients are approved for use under 40 CFR 180
SURFACTANT CONTENT: 15%

DIRECTIONS FOR USE

The addition of adjuvants to some pesticides, and fertilizer mixes may cause phytotoxicity to desirable crops. Before using TRUTRACK HD, the applicator or crops advisor must have experience with the pesticide combination, with TRUTRACK HD, or must have conducted a phytotoxicity test.

RECOMMENDED USE RATE

For use with herbicides, insecticides and fungicides.

- 4-6 oz. per acre in 5-20 GPA applications.
- 6-8 oz. per acre in 20-40 GPA applications.
- 8-10 oz per acre in 40-60 GPA applications

PRODUCT AVAILABILITY

- 2x2.5 gallon case
- 250 gallon tote

Weight: 7.74 lb/gal

Specific Gravity: 0.92

*Approval pending. **Always check manufacturer's website for approved tank mix partners.

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CROPFUSE[®] HS-MSO

HIGH SURFACTANT MODIFIED VEGETABLE OIL CONCENTRATE

PUT YOUR SPRAY PROGRAM ON THE FAST TRACK TO HIGHER PERFORMANCE

YOUR ALL-IN-ONE APPROVED TANK MIX PARTNER



- **Enlist One[®] Approved Adjuvant***
- **Enlist Duo[®] Approved Adjuvant***

CROPFUSE[™] HS-MSO is a highly concentrated blend of quality modified vegetable oil and surfactant blend. This concentrated formula can be used at reduced rates to traditional crop oil concentrates. CROPFUSE HS-MSO is specifically designed to benefit many pesticide applications with a high content of nonionic surfactant.

PRODUCT BENEFITS

- High surfactant methylated soy oil for improved performance of herbicides requiring a methylated seed oil
- Superior surfactant system for increased pesticide uptake and effectiveness
- Increases canopy penetration and leaf surface coverage
- Helps herbicides perform when weeds are under stressful, hot, dry weather conditions
- Improves the performance of a wide range of herbicide tank mixes
- 50% of the use rate of ordinary methylated seed oils and crop oil concentrates

PRINCIPAL FUNCTIONING AGENTS

Modified Vegetable Oil.....	60%
Proprietary blend of (non APE/NPE) Emulsifier	40%
TOTAL.....	100%

All ingredients are exempt from tolerance requirements under 40 CFS 180.100(d)

DIRECTIONS FOR USE

The addition of adjuvants to some pesticides and/or fertilizers and their tank mixes may cause phytotoxicity to the foliage and/or fruit of desirable crops. The applicator or crops advisor must have experience with the pesticide combination, including CROPFUSE HS-MSO, or must have conducted a phytotoxicity test prior to use.

RECOMMENDED USE RATE

12-32 oz/acre or .25-1 % by volume a replacement for nonionic surfactants and COC's.

Use the higher end of use rates when conditions are hot and dry.

PRODUCT AVAILABILITY

- 2 x 2.5 gallon case
- 250 gallon tote

Weight: 7.43 lb/gal

Specific Gravity: 0.89

*Approval pending. **Always check manufacturer's website for approved tank mix partners.

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CROPFUSE[®] **COC** CROP OIL CONCENTRATE

PUT YOUR SPRAY PROGRAM ON THE FAST TRACK TO HIGHER PERFORMANCE

YOUR ALL-IN-ONE APPROVED TANK MIX PARTNER



• Enlist[™] Approved Adjuvant*

PRINCIPAL FUNCTIONING AGENTS

Proprietary blend of alkylpolyoxethylene, glycol derivatives,
humectant and formulation aids.....100%

All ingredients are approved for use under 40 CFR 180

DIRECTIONS FOR USE

The addition of adjuvants to some pesticides and/or fertilizers and their tank mixes may cause phytotoxicity to the foliage and/or fruit of desirable crops. Before using CROPFUSE COC, the applicator or crops advisor must have experience with the pesticide combination, including CROPFUSE COC, or must have conducted a phytotoxicity test. Do not use this product in a manner inconsistent with labeling.

CROPFUSE COC increases the activity of many pesticides; therefore, care must be taken when treating sensitive crops during periods of drought stress, high temperatures or high humidity.

RECOMMENDED USE RATE

Ground: Apply 1 to 2¹ pints per acre.

Aerial: Apply at 1–2%² v/v in 1–5 gallons of water per acre.

¹Use the higher rate when weeds are under environmental stress, at the maximum labeled size for control or apply 1.0% v/v (1 gallon of CROPFUSE COC per 100 gallons of spray solution) per pesticide label recommendations. ²Use higher concentrations for lower water volumes.

CROPFUSE[®] NIS is a crop oil concentrate blend with paraffinic oil and premium quality surfactant.

PRODUCT BENEFITS

- Improves spray solution coverage and penetration
- Increases spray solution dwell time on leaf surface
- Increases the activity of herbicides and enhances performance
- Compatible with UAN and AMS, even in cold water

PRODUCT AVAILABILITY

- 2 x 2.5 gallon case
- 250 gallon tote

Weight: 7.2 lb/gal

Specific Gravity: 0.86

*Approval pending. **Always check manufacturer's website for approved tank mix partners.

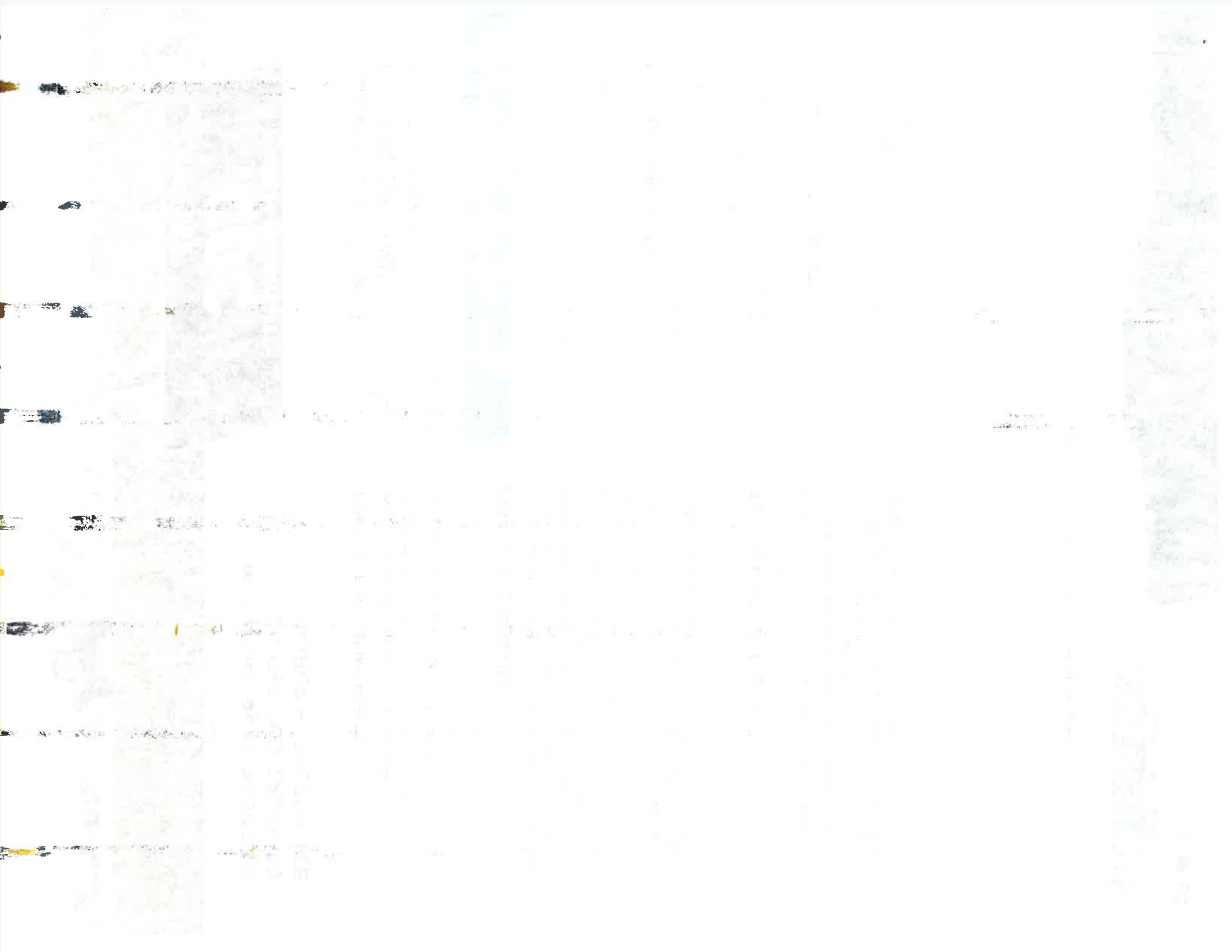
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AQUADRAFT® **DICAMBA**

ALL-IN-ONE | DRA + VRA

ALL-IN-ONE DRA, VRA, WATER CONDITIONER AND WETTER FOR USE WITH DICAMBA

AQUADRAFT® DICAMBA ALL-IN-ONE is a volatility and drift reduction adjuvant designed for use in dicamba tolerant cropping systems.

AQUADRAFT DICAMBA ALL-IN-ONE uses a specially balanced buffering and volatility control system to provide a tank pH of at least 5.0 when tank mixed with glyphosate and dicamba herbicides. It also provides ammonium free water conditioning and wetting which meets the label requirements for mixing with approved dicamba products to be applied on dicamba tolerant crops.

PRODUCT BENEFITS

- **Covers VRA, DRA and water conditioner in a convenient, easy-to-use all-in-one premix for use with dicamba-based herbicides**
- **Lower use rate than competitors**
- **Xtendimax® and Engenia® approved**
- **Water conditioner enables optimal performance of pesticides and tank mix partners***
- **Improves spray droplet retention, coverage and drift control**
- **Compatible with specified nozzles for dicamba-based herbicides**
- **Helps reduce the risk of dicamba volatility**
- **Low foaming formulation for easy use**
- **Mixes well with foliar-based nutrients**

PRINCIPAL FUNCTIONING AGENTS

Modified Vegetable Oil, Amine Salts of

Tripotassium citrate monohydrate, Alkyl Polyglucoside,

poly(1-carbamoylethylene).....20.2%

Potassium Hydroxide / Ethanoic Acid.....37.0%

CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANTS.....42.8%

All ingredients are exempt from tolerance as specified in 40 CFR 180

DIRECTIONS FOR USE

Prior to use, read all the directions on this label and on the label of all pesticides, fertilizers, and any other tank mix additives. When using along with dicamba in dicamba tolerant crops review the website associated with the relevant dicamba containing product for any additional tank mix instructions.

AQUADRAFT DICAMBA ALL-IN-ONE should be used along with nozzle and pressure combination sufficient to generate an Ultra-Course droplet spectrum and suitable spray pattern.

RECOMMENDED USE RATE

Use AQUADRAFT DICAMBA ALL-IN-ONE at a minimum rate of 1.0% v/v or 20 ounces per acre.

PRODUCT AVAILABILITY

- 2x2.5 gallon case
- 250-gallon tote

ADDITIONAL SPECIFICATIONS

Weight: 10.85 lb/gal

Specific Gravity: 1.29

Min Storage Temp: -20° C (-4°F)

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