

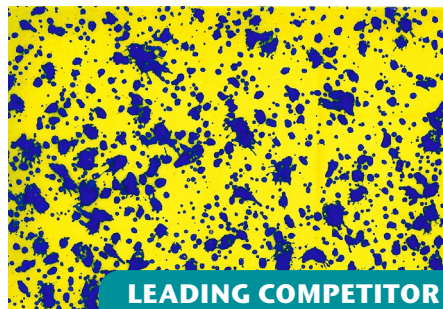
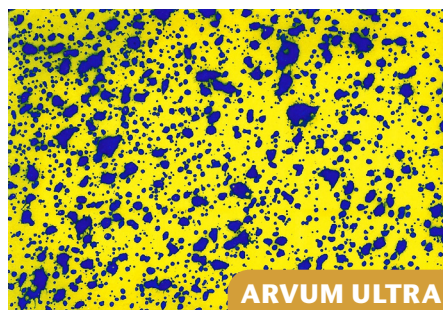
# ARVUM™ ULTRA

## Nonionic Surfactant, Drift Control Agent & Deposition Aid

ARVUM™ ULTRA is a NPE/APE-free nonionic surfactant with built-in deposition aids and drift reduction technology. It is CPDA certified and approved for aquatic use.

Arvum Ultra delivers more spray solution to the target, thereby reducing the risk of off-target movement, improving canopy penetration and increasing leaf surface coverage.

Arvum Ultra is unique in that it was designed to improve the effectiveness of crop protection products in two ways, first as a high-load nonionic surfactant, and second as deposition aid that improves spray quality.



### WHAT MAKES ARVUM ULTRA BETTER:

- ✓ Built-in drift reduction technology
- ✓ Creates more uniformly-sized spray droplets to increase canopy penetration
- ✓ NPE/APE-free for crop safety
- ✓ Approved for aquatic use
- ✓ CPDA certified for quality assurance

**NEW!**

**APPROVED WITH DRONES/UAVs:**

Rate Recommendations  
Drones / UAVs: 0.5% v/v  
(4 pints per 100 gallons of spray solution)



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## Nonionic Surfactant, Drift Control Agent & Deposition Aid

### PRINCIPAL FUNCTIONING AGENTS

Sorbitan monolaurate poly(oxyethylene)ether, mon- and diglycerides of C8-C18 fatty acids .....90%  
Constituents Ineffective as Spray Adjuvant..... 10%  
Total.....100%  
Surfactant content is 90%  
All ingredients are approved for use under 40 CFR 180

### KEEP OUT OF REACH OF CHILDREN

#### PRECAUTIONARY STATEMENTS

If medical advice is needed, have product container or label at hand. Read label before use.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators or other handlers of this product must wear protective eyewear, chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes when handling this product. Consult the SDS for further information.

#### FIRST AID

**If Swallowed:** Rinse mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

**If In Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**If On Skin:** Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention.

**If Inhaled:** Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

#### GENERAL INFORMATION

ARVUM ULTRA is an NPE/APE-free nonionic surfactant that impacts spray quality and deposition. ARVUM ULTRA is a high surfactant load formulation for improving the effectiveness of herbicides, insecticides, fungicides and plant growth regulators requiring the use of a nonionic surfactant. ARVUM ULTRA improves spray solution coverage by enhancing deposition, dwell time and reducing driftable spray fines. ARVUM ULTRA is CPDA certified.

FOR USE WITH HERBICIDES, INSECTICIDES, FUNGICIDES AND PLANT GROWTH REGULATORS REGISTERED FOR AGRICULTURAL, AQUATIC, FORESTRY, INDUSTRIAL, MUNICIPAL, NON CROPLAND AND RIGHTS-OF-WAY.

#### DIRECTIONS FOR USE

Always mix and apply this product in accordance with the instructions found on the herbicide, insecticide, fungicide or plant growth regulator label regarding adjuvants. In the absence of specific instructions follow these application and mixing guidelines:

#### USE RATES

**Ground:** 0.125-0.5% v/v (1–4 pints per 100 gallons of spray solution or 2.5–10 fl oz/A at 15 GPA)

**Aerial:** 0.125 -0.5% v/v

**Drones/UAVs:** 0.5% v/v (4 pints per 100 gallons of spray solution)

#### MIXING

In the absence of specific mixing instructions found on the herbicide, insecticide, fungicide or plant growth regulator label, fill the spray tank with at least 50% of the desired finished carrier volume. When premixing in a mixing vessel or inducator, fill with at least 20% of the desired finished carrier volume. While the carrier is agitating, add tank mix ingredients in the following order:

1. Compatibility agent and/or antifoam, if needed
2. AMS, dry formulations (WP, DF, WDG, SP), and dry drift retardants
3. Dry soluble and suspension fertilizers / micronutrients
4. Liquid drift retardants and flowable formulations (F & FL)
5. Liquid concentrates, suspension concentrates, microencapsulated and capsule suspension (LC, SC, ME, CS)
6. Emulsifiable concentrates (E, EL or EC)
7. Solutions and soluble liquids (S or SL)
8. Liquid micronutrients and fertilizers
9. ARVUM ULTRA, water conditioners and other adjuvants (COC, HSOC, MSO, NIS)
10. Finish filling to desired spray volume level and continue agitation

#### ENVIRONMENTAL HAZARDS

Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

#### STORAGE AND DISPOSAL

This product does not require heated storage. Keep containers sealed when not in use. Store in original container only. Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org). Decontaminated containers and materials must be disposed of in a manner allowed by local, state and federal laws and regulations.

#### PACKAGING:

- 2 x 2.5 gallons per case
- 275 gallon minibulk

