



ASCEND HSMSO

Modified Vegetable Oil



GENERAL INFORMATION

Ascend HSMSO is a concentrated high-surfactant oil adjuvant containing a 60/40 blend of modified vegetable oil and free fatty acids with a proprietary surfactant system.

The 40% surfactant content promotes droplet spreading, adhesion, and coverage while allowing lower use rates than traditional crop oil concentrates. Its humectant properties support the performance of glufosinate and other contact herbicides by helping spray droplets remain active on the target surface.

Ascend HSMSO may be used in place of nonionic surfactants, High Surfactant Crop Oil Concentrates (HSCOC), or High Concentrate Crop Oil Concentrates (HCOC) when permitted by the pesticide label.

Always follow label recommendations. Use additional care with sensitive crops during drought stress, high temperatures, or high humidity.



HANDLING AND STORAGE

Wash hands and other exposed areas with mild soap and water after handling, before eating, drinking, or smoking, and when leaving work.

Use adequate ventilation to prevent vapor accumulation. Avoid contact with eyes, skin, and clothing. Wear chemical-resistant gloves, a long-sleeved shirt, long pants, shoes, and socks.

Keep the container tightly closed. Store in a cool, dry, well-ventilated area away from direct sunlight.



DIRECTIONS FOR USE

Begin with a clean spray tank. Add Ascend HSMSO according to the mixing order specified on the pesticide label. Unless otherwise directed, add Ascend HSMSO after pesticides have been added and thoroughly dispersed.

Maintain continuous agitation during mixing and throughout application.



USE RATE

Follow the pesticide label's adjuvant recommendations.

- Apply 8–32 fluid ounces per acre or 0.25%–1.0% v/v as a replacement for nonionic surfactants or crop oil concentrates.
- Use the higher end of the labeled rate range under hot, dry conditions.



PRINCIPAL FUNCTIONING AGENTS

Modified Vegetable Oil, Free Fatty Acids.....	60%
Surfactant.....	40%
Total.....	100%

NPE & APE FREE

CAUTION: KEEP OUT OF REACH OF CHILDREN

May cause skin and eye irritation. Avoid eye and skin contact. Do not take internally.

NET CONTENTS:
2.5 U.S. GALLONS (9.46 L)



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