



TECHNICAL DATA

102 Barton Street, St. Louis, Missouri 63104

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#235 WET-SOL® 99

Wet-Sol® 99 spreader-sticker is a biodegradable, non-ionic surfactant that aids irrigation and weed control. Schaeffer's Wet-Sol® 99 is used to enhance the performance of agricultural herbicides, fungicides, and insecticides that call for the addition of spreader-sticker. Wet-Sol® 99 provides quick wetting, more uniform coverage, and increased penetration of sprays. Wet-Sol® 99 is ideal for aerial applications and where reduced spray volume is desired.

General Directions:

For use as a soil penetrant: For spray irrigation Wet-Sol® 99 may be injected into the spray equipment at the rate of 16 ounces to 32 ounces per acre during the initial irrigation. When low rate is used on initial irrigation, use additional 16 ounces per acre in mid-season for best results.

For general herbicide wetting: Use 4 ounces per acre.

For use as a spreader-sticker: Wet-Sol® 99 is effective at 2 ounces to 6 ounces per 100 gallons soft water and 4 ounces to 8 ounces recommended with medium to hard water.

When spraying mature weeds or when hard water is used, the higher rates are recommended.

The user must have experience in mixing and handling solutions to which Wet-Sol® 99 is added, and the user should conduct a compatibility test of the solutions on a small scale before mixing in large quantities.

Buyer and user assume all risks and liability resulting from handling, storage, and use of Wet-Sol® 99. The manufacturer does not accept responsibility for factors beyond their control, such as damage caused by spray drift, damage to plants and crops, and other risks associated with the use and application of this product.

Manufacturer and seller make no warranty expressed or implied concerning the use of this product.

TD-235 (Rev 04/2013)

TYPICAL PROPERTIES

Specific Gravity 25°C	1.03
Form	liquid
Average Molecular Weight (theory)	585
Cloud Point °F/°C (1% aqueous)	104°F/40°C
Freezing Point°F/°C	25°F/-4°C
Water % Weight	0.2% max.
pH (5% aqueous)	6.0 - 7.5
Foam Height (Ross Miles 0.1% aqueous at 50°C)	40mm
Wetting Time, (Draves Method at 25°C 1.5 g. hook) 0.1% aqueous at 25°C	8.9 secs.
Molar Ratio	8.5
Surface Tension dynes/cm 25° .1% aqueous	29
HLB	12
Color Pt-co Scale	100 max.

Product label on next page.



#235 WET-SOL[®] 99

Biodegradable • Soil Penetrant • Spreader-Sticker

MIXING DIRECTIONS:

Fill spray tank 1/2 full with water. Add #235 Wet-Sol[®] 99 slowly until completely mixed with water. Then add herbicide and mix completely before spraying. **WITH LIQUID FERTILIZER:** Make full dilution of complete tank mix in a sample jar to check for compatibility. Not all formulations are compatible. **WARNING:** If carry-over from previous year is a concern, use #235 Wet-Sol[®] 99 at the lower recommended rate. When using surfactants, always follow herbicide manufacturer's directions.

CROPS

AS SOIL PENETRANT WITH IRRIGATION First application: 1 quart #235 Wet-Sol[®] 99 per acre. **Following applications:** 1 pint #235 Wet-Sol[®] 99 per acre based on moisture profile. General rule: 2, 3, 4, 5 applications per year. **AS SOIL PENETRANT WITHOUT IRRIGATION:** 1 pint #235 Wet-Sol[®] 99 per acre. **AS SOIL PENETRANT WITH FLOOD IRRIGATION:** Wet ground with 1 pint-1 quart #235 Wet-Sol[®] 99 per acre prior to irrigation, or apply during irrigation at the gate. **FOR PRE-PLANT INCORPORATE:** 1 pint #235 Wet-Sol[®] 99 per acre. **FOR PRE-EMERGE** (banded or broadcast): 1/2 pint #235 Wet-Sol[®] 99 per acre. **AS A SPREADER-STICKER** (post emerge): 1/4-1 pint #235 Wet-Sol[®] 99 per 100 gallons of herbicide or insecticide spray solution (not to exceed 1/4 pint per acre.) For phenoxy acids (2,4-D, Butyrac, etc.) use 1/2 the amount of herbicide per acre.

CROPS

FOR BURN DOWN: 1/4-1 pint #235 Wet-Sol[®] 99 per acre. **FOR AERIAL APPLICATION** (post emerge): 1/4 pint #235 Wet-Sol[®] 99 per acre. **FOR HYDROPONICS:** 1/2 ounce #235 Wet-Sol[®] 99 per 1500 cu. ft. of water.

TURF AND ORNAMENTALS

FOR HARD SPOTS AND SLOPES: 1/2 pint #235 Wet-Sol[®] 99 in 5 gallons of water per 1,000 square feet, add irrigation water until run-off, stop then repeat several times until irrigation water reaches desired depth. **FOR LOW SPOTS IN TURF:** For standing water, apply 1/2 pint #235 Wet-Sol[®] 99 in 5 gallons of water per 1,000 square feet. Check penetration next day. Additional application may be needed because of different soil conditions. **IRRIGATION:** Add 1/2 pint or less #235 Wet-Sol[®] 99 to irrigation water after initial wetting to aid in alkali salt leaching. Water must flow until excess runs for some time into drainage for this treatment to be effective. **DEW:** To cause dew to drain from foliage, use 1 tablespoon #235 Wet-Sol[®] 99 per 5 gallons of water. Spray lightly. Repeat if necessary.

TURF AND ORNAMENTALS

LANDSCAPE MAINTENANCE: Apply 1/2 pint #235 Wet-Sol[®] 99 per 5 gallons water per 1,000 square feet to all mulched beds, tree areas, and shrubbery. Follow with irrigation to runoff. **CONTAINER GROWN NURSERY STOCK:** Apply 1/2 pint #235 Wet-Sol[®] 99 in 100 gallons water. Drench top soil. Repeat at least twice a year. Over-watered containers drain freely. Less root rot. **PEAT MOSS:** For peat beds or mulches, soak surface with 1/2 pint #235 Wet-Sol[®] 99 per 100 gallons water. Water thoroughly two days later. Repeat treatment every 3 months. For baled peat, break open bale and treat as above. **BALLED STOCK:** Thoroughly wet ball with 1/2 pint #235 Wet-Sol[®] 99 per 100 gallons of water. Dried burlap rewets instantly with plain water. Uses 50% less water to keep plants viable. **SEEDS AND BULBS:** Spray newly seeded areas with 1 tablespoonful #235 Wet-Sol[®] 99 per 5 gallons of water until water soaks in rapidly. Soak bulbs for 5-10 minutes before planting in same strength solution. **TREES AND SHRUBS:** After digging holes fill with water and add 1 ounce #235 Wet-Sol[®] 99 to each hole; use less if holes are smaller than 5 gallons capacity. This treatment most important in clay or heavy soils.

NET VOLUME and WEIGHT
2.5 Gal. (9.4 L) / 20.85 lb.



#235 WET-SOL[®] 99



WARNING: Causes serious eye irritation. Causes skin irritation. Toxic to aquatic life with long lasting effects. Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Wear protective



gloves. Wear eye or face protection. Avoid release to the environment. Wash hands thoroughly after handling. Collect spillage. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. 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 attention. Dispose of contents and container in accordance with all local, regional, national and international regulations.

The Safety Data Sheet (SDS) can be downloaded at: www.schaefferoil.com.

PRINCIPAL FUNCTIONING AGENTS

Alkylphenyl-hydroxypolyoxyethylene.....	99.0%
Polydimethylsiloxane.....	1.0%
Total.....	100.00%

Information regarding the contents and levels of metals in this product is available on the internet at www.aapfc.org/metals.html.

Ingredients are exempt from tolerance requirements under 40 CFR 180.1001

DIRECTIONS FOR STORAGE AND DISPOSAL:

STORAGE: Store in original container only and keep sealed. Store in closed storage area, using caution when moving, opening, pouring and closing. **CONTAINER DISPOSAL:** Triple rinse or equivalent. Offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill. Use procedures approved by state and local authorities. **PESTICIDE DISPOSAL:** Improper disposal of excess spray mixture is a violation of federal law. Wastes resulting from the use of this product should be disposed through on site spray application or at an approved waste disposal facility. Do not contaminate water, food or feed by storage, cleaning or disposal of equipment.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

The manufacturer warrants that this product is suited for the labeled uses when applied according to label directions. Because of varying conditions, it is impossible to eliminate all risk when labeled directions are followed. Therefore, the manufacturer makes no other implied or express warranty nor is any manufacturer's agent allowed to do so.

Upon purchase, the buyer assumes all risk associated with the use of this product. In the event of damage resulting from a breach of warranty, the buyer agrees to accept a refund of the purchase price of the product as full discharge of the manufacturer's liability.

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Questions or comments:
Call 1-800-325-9962
www.schaefferoil.com
MADE IN THE U.S.A.

Emergency telephone number
(24-hr response)
1-314-865-4105

