



### Surfactant/adjutant enhances leaf coverage, absorption and translocation of foliar sprays

Contents: 2.5 U.S. gallons  
Net weight: 22.7 lbs.

Formulated from extracts of plant-derived oils and alcohols. No petroleum ingredients.

See label on other side of this container for safety facts. If you are using WakeUP Summer for the first time, please read our spray system cleaning instructions on the carton which contained this plastic jug.



U.S. Patent and Trademark Office  
Registry 77689224

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## Instructions for foliar spraying with WakeUP Summer

**Application rate with foliar nutrients or crop protection products:** A general guide: Add 1 oz. of WakeUP Summer per 2 gal. of spray solution. This will deliver 5 oz. of WakeUP Summer per acre if your total application rate is 10 gal. per acre. If you have structured water or reverse osmosis water, you may be able to dilute WakeUP Summer further. Adjust dilution to achieve a glossy “clear coating” of your spray solution on leaves. Spray one round and examine leaf coverage. If rounded droplets still appear on crop leaves, add a small increment of WakeUP Summer in the tank and repeat the spray coverage test until spray solution flows evenly on leaf surface. Do not exceed a ratio of 1 oz. of WakeUP Summer per gallon of spray solution.

**Foliar feeding soybeans, corn, small grains, hay and pasture:** Tissue tests and yield response shows that WakeUP Summer in a tank mix enhances performance of foliar nutrients four ways: (1) Reduces surface tension of water for uniform coating of leaves, (2) Temporarily softens the waxy cuticle on the leaf so nutrients quickly absorb into leaf cells, (3) Gently chelates foliar nutrients and helps carry them into crop metabolism and (4) Improves internal translocation of nutrients from leaves, via phloem tube circulation, to growing points. Follow normal foliar nutrient feeding recommendations depending on crop needs as seen by tissue tests or visual indicators. *Caution on foliar feeding nitrogen:* WakeUP Summer intensifies leaf absorption of liquid nitrogen. Reduce your normal rate of liquid N per acre by half, and reduce WakeUP Summer to no more than 1 oz. per 4 gal. of spray solution. Spraying in early morning, when dew is still present on leaves, is encouraged. Avoid spraying at temps over 85 F.

**Foliar spraying crop protection products such as contact herbicides:** WakeUP Summer acts as a surfactant, penetrant and drift reduction aid. Your experience — and the quality of your water — may allow you to reduce chemical rates to the lower range of label recommendations for each product. Herbicide and pesticide tank mixes are too complex for a general guide on rates including WakeUP Summer. Always follow label instructions on each chemical. Many herbicide labels recommend a medium or coarse droplet size to reduce drift and evaporation. This is easier to achieve with WakeUP Summer in the spray solution. You do not need a fine spray mist to achieve a glossy coating on weed leaves. Larger drops spread out, even on fuzzy leaves, with the unique and highly effective wetting action of WakeUP Summer.

## Guides for blending and spraying WakeUP Summer

**Safety and health precautions:** WakeUP is a colloidal micelle concentrate not considered hazardous in normal application. Use care in handling, avoiding eye contact. Applying concentrations higher than label rate may cause leaf phytotoxicity in sensitive crops. WakeUP Summer has a pH of about 10.2. Use precautions as you would with liquid cleanser. For emergency safety questions, call 1-800-222-1222. If WakeUP is spilled, floor surface will be slippery. Rinse with water. Department of Transportation Class 55, non-toxic and non-flammable.

**Mode of action:** WakeUP Summer reduces surface tension of water for improved absorption by plant leaves. It also cleanses the leaf cuticle briefly, allowing leaves to readily absorb foliar products. WakeUP Summer increases plant translocation of sugars, foliar-applied nutrients, and crop protection products. Yield gains and plant health are due to increased absorption and translocation of natural and applied nutrients, not nutrients from WakeUP Summer.

**Tank mixing guide:** First fill tank with 75% of needed water, then add WakeUP Summer to increase solubility of water. Second, add nutrients or crop protection products. Third, “top out” the tank with water as needed. When spraying for the first time with an unfamiliar NPK or trace nutrient plus WakeUP Summer, test-spray a small area and check 24 hours later for leaf stress. If leaf stress appears, reduce the nutrient rate or add water to dilute WakeUP further.

**Adjust the pH of your spray solution** as advised by the label on the product tank-mixed with WakeUP Summer. Years of field experience show that WakeUP Summer is usually compatible with herbicides and foliar nutrients when diluted at ordinary foliar-spray rates. Mixing concentrated WakeUP Summer directly with concentrated nutrients or other chemicals may precipitate ingredients from the chemicals as WakeUP Summer attaches to water molecules. With any unfamiliar chemical combination, always check compatibility with a jar test.

**Spray tank cleaning caution:** WakeUP Summer is a highly effective tank cleanser. (It can be used in concentrated or slightly diluted form as a liquid soap.) See tank cleaning instructions on the WakeUP Summer carton, or read full instructions at [www.renewablefarming.com](http://www.renewablefarming.com)