

## Application rates for WakeUP Spring



### Guaranteed analysis 3.5 - 0 - 0 - (.05 Zn)

3.50% total nitrogen (N)	
3.30% organic nitrogen (N)	
0.15% Urea nitrogen (N)	
0.05% Ammoniacal nitrogen (N)	
Sodium (Na)	0.30%
Sulfur (S)	0.08%
Zinc (Zn)	0.05%
Magnesium (Mg)	0.01%

Contents: 2.5 U.S. gallons  
Net weight: 22.5 lbs.

WakeUP Spring provides micronutrients and surfactants which increase mobility of photosynthetic sugars in the plant phloem system. It is formulated with colloidal micelles derived from plant-source oils and alcohols, plus chelators derived from sugars. WakeUP Spring is intended to enhance translocation of natural sugars and applied crop nutrients, not as a complete fertility program.

See label on other side of this container for safety facts.

**Foliar application rate per acre on all crops named below:** Apply 4 oz. to 5 oz. per acre in at least 10 gal. of water. *Example:* If your spray rate is 10 gal. per acre, add 1 oz. of WakeUP Spring per 2 gal. of water. At low spray volumes such as aerial applications, reduce the per-acre rate so you do not exceed a concentration of 1 oz. WakeUP Spring to 2 gallons of spray solution (1:256).

**Soybeans:** Spray at V1 to V2 stage, when first two trifoliolate leaves are developing. If soybeans have grown beyond V3, potential for greater root development diminishes quickly. After V3, use WakeUP Summer as a surfactant for foliar nutrients indicated by tissue test.

**Corn:** Spray when second leaf is emerging on most corn plants (V1 to V2 stage). *Do not delay the V1 to V2 optimum first application. Delay past V3 greatly reduces the benefits of early root growth enhancement, which occurs because of greater soil microbial life.*

**Wheat, Oats, Barley:** On winter wheat, spray two to three days after wheat begins new spring growth. On spring-seeded small grains, spray when 2 to 3 in. high.

**Alfalfa:** Spray when spring growth (or new regrowth after cutting) is 2 to 3 inches.

**Vegetables, fruit and flowers:** For crops such as tomatoes, beans and vines, spray a 1:256 ratio (1 oz. per 2 gal. water). On very young flowers, test for sensitivity by spraying a small area and waiting 24 hours. If stress appears, add another gallon of water to make a 1:384 dilution (1 oz. per 3 gal. water). Spray as often as once per week. Apply in early morning if practical, while dew is still present on leaves.

**Row support with planter:** Dilute 1 oz. of WakeUP Spring with at least 7 oz. water, then use this as a stock solution to blend into liquid starter fertilizers to deliver 3 oz. of WakeUP Spring concentrate per acre. Some liquid starters may be compatible with WakeUP concentrate without dilution, but it's advisable to perform a jar test first.

**Caution:** Do not add WakeUP to liquid fertilizers or biological products intended for direct in-furrow wetting of soybean seed. WakeUP accelerates moisture absorption, which may stress the soybean's outer hull. On soybeans, apply WakeUP and starters 2x2 or over the closed row. Corn seed is tolerant of wetting with WakeUP in water.

## Guides for safely blending and spraying WakeUP Spring

**Safety and health precautions:** WakeUP is a colloidal micelle product not considered hazardous in normal application. Use care in handling, avoiding eye contact. Not intended for internal use. Applying concentrations higher than label rate may cause leaf phytotoxicity in sensitive crops. WakeUP concentrate has a pH of approximately 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. Lab analysis certifies that WakeUP contains no genetically modified materials.

**Mode of action:** WakeUP reduces surface tension of water for improved absorption by plant leaves. It also softens the leaf cuticle briefly, allowing leaves to readily absorb WakeUP and foliar products. When absorbed by crop cells, WakeUP Spring increases translocation of photosynthetic sugars and foliar-applied nutrients through phloem systems. Yield gains and plant health are *due to increased absorption and translocation of natural and applied nutrients*, not nutrients from WakeUP. This product is intended as an adjuvant and mobilizer, not a complete fertility program. WakeUP Spring is formulated to remain active up to three weeks before it's completely metabolized.

**Tank mixing guide:** *First fill tank with 75% of needed water, then add WakeUP. Agitate to react WakeUP with water, which increases solubility of water. Second, add any nutrients or crop protection products. Third, "top out" the blend with water as needed.* When spraying for the first time with an unfamiliar NPK or trace nutrient plus WakeUP, 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, such as 1 oz. in 3 to 4 gal. of water. Adjust the pH of your spray solution as advised by the label on a herbicide or other product which is tank-mixed with WakeUP. Do not tank-mix WakeUP with any product with a label specifying "no added surfactant." Typically, WakeUP Spring is compatible with herbicides and foliar nutrients when diluted at ordinary foliar-spray rates. Mixing concentrated WakeUP Spring directly with concentrated nutrients or other chemicals may result in separation of ingredients. With any unfamiliar chemical combination, always check compatibility with a jar test.

**Spraying guidelines:** *We suggest a medium to coarse spray droplet size with a ground sprayer, to reduce spray drift and evaporation. Use enough pressure to create turbulence among leaves, wetting the top and bottom sides of leaves. With WakeUP in the solution, spray droplets hitting leaves "clear coat" the leaf smoothly and absorb quickly, rather than forming rounded dewdrops on leaves.*



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