



## FOLIAR-APPLIED AGRICULTURAL FERTILIZER

### DESCRIPTION

Valena FLOW is a novel foliar fertilizer product containing a unique blend of 1,3-beta-glucan derived from a proprietary strain of unicellular microalgae *Euglena gracilis*, enriched with zinc micronutrient, derived from zinc oxide. This product may increase plant growth while helping prevent and correct zinc deficiency. Valena FLOW is recommended in a nutritional program on all crops early in the growing stage.

### GUARANTEED ANALYSIS

Zinc (Zn).....2.0%

Derived from Zinc Oxide

ALSO CONTAINS NON-PLANT FOOD INGREDIENT(S)

#### ACTIVE INGREDIENTS

20%.....1,3 beta-glucan (derived from the fermentation of *Euglena gracilis*)

#### INERT INGREDIENTS

80%.....Total Other Ingredients (inert as non-plant food ingredients)

Purpose: Beta-glucan may increase nutrient uptake

### FIRST AID

IF IN EYES: Rinse with water. Get medical attention if irritation develops and persists. IF ON SKIN OR CLOTHING: Wash off with soap and water. Get medical attention if irritation develops and persists. IF INHALED: Move to fresh air. Call a physician if symptoms persist. IF INGESTED: Rinse mouth with clean water. Get medical attention if symptoms occur. HOTLINE - For chemical emergency ONLY (spill, fire, exposure or accident), call the CHEMTREC 24-hour toll-free number at 1-800-424-9300. For non-emergency Kemira product inquiries, please call Customer Service at 1-800-752-2864 between the hours of 7 a.m.- 4:30 p.m. Central Standard Time.

### PRECAUTIONARY STATEMENTS

If you do not understand the label, find someone to explain it to you in detail (Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle).

### DIRECTIONS FOR USE

READ THE ENTIRE LABEL. USE IN ACCORDANCE WITH LABEL INSTRUCTIONS. SHAKE WELL BEFORE USE.

This product is a concentrate and must be diluted in water before use.

NOT FOR USE IN ORGANIC CROP AND ORGANIC FOOD PRODUCTION.

NOTE: Valena FLOW hasn't been tested on all plants and crops. Application rates and concentrations may vary according to crop, variety and stage of growth, climate, and general agronomic conditions. We recommend testing different rates to determine which one is optimal for your crop.

Manufactured by:  
**KEMIN INDUSTRIES, INC.**  
**2100 MAURY ST.**  
**DES MOINES, IOWA U.S.A. 50317**

**PRODUCT: 018781-225-US**  
**MFG. DATE: 2023-06-01**  
**LOT NO.: MMY123456**  
**F003486**

**NET VOLUME:**  
**2.5 gal (9.5 L)**

**NET WT.:**  
**23 lb (10.45 kg)**





#### APPLICATION RATES

Greenhouse, nursery, ornamentals: 0.5-1 quarts/acre (1-2 liters/hectare). Apply from the first visible leaf and throughout the cycle. For best results, one application every 20 days. Tree fruits (pome and stone fruits): 0.5-1.5 quarts/acre (1-3 liters/hectare). Apply from shoot development to end of flowering. For best results, one application every 7-10 days. Field, row: 0.5-1.5 quarts/acre (1-3 liters/hectare). Apply from the 3rd and the 4th visible leaf and throughout the cycle. For best results, one application every 15-20 days. Berries: 0.5-1 quarts/acre (1-2 liters/hectare). Apply throughout the growing cycle. For best results, one application every 15-20 days. Grapes/Vine: 0.5-1.5 quarts/acre (1-3 liters/hectare). Apply from sprouting to fruit set (in conjunction with standard pesticide treatments). For best results, one application every 10-15 days. Other crops: 0.25-1.5 quarts/acre (0.5-3 liters/hectare). Apply from the first visible leaf to the end of flowering. For best results, one application every 10-15 days.

#### MIXING INSTRUCTIONS

Shake the bottle vigorously to disperse any settled material throughout the product. Add Valena FLOW into the spray tank containing the required amount of clean water with the agitator running. NOTE: Due to the thickness and viscosity of Valena FLOW, some material may adhere at the bottom and sides of the bottle. For maximum product recovery, make sure to rinse the bottle and collect all the material thoroughly to avoid waste. Allow Valena FLOW to disperse in the water completely. Begin the application of the spray solution while maintaining the agitation until all of the mixtures have been applied. Surfactant: This product does not contain a surfactant and may benefit from adding an adjuvant for spread enhancement on the leaf surface. If the product is tank mixed with other chemistries, always allow each tank mix partner to disperse fully before adding the following product.

#### APPLICATION DIRECTIONS

For foliar applications only. Can be used alone or effectively tank-mixed with other products, such as fertilizers and pesticides. Apply diluted Valena FLOW directly to the foliage of growing crops using standard spray equipment such as ground sprayers, allowing superior coverage and absorption into the leaf tissue. Flush all parts of the sprayer with clean water, including the pump, hose and nozzles, several times before and after using this product. TIMING: Apply to actively growing plants and crops with young leaves. Avoid spraying under hot (>90 °F or 32 °C) conditions on sunny or bright days. Do not apply if heavy rains are expected. Immediate post irrigation or post rainfall application will enhance foliar uptake.

#### COMPATIBILITY OF SPRAY MIXTURES

Limited compatibility testing has been conducted for Valena FLOW with other commonly used fertilizers, soil amendments, or biopesticides. As such, the use of Valena FLOW with any other products shall be the exclusive risk and responsibility of the user. Consult specific product labels for additional information. Conduct and evaluate a physical compatibility "Jar Test" when you plan to tank mix Valena FLOW with other products and test the mixture on a few plants before making large-scale applications.

#### STORAGE AND DISPOSAL

Storage: Store tightly closed in the original container. Keep stored above 32 °F (0 °C). Store away from incompatible materials. Container disposal: Collect and reclaim product or dispose the product in sealed containers at a licensed waste disposal site.

The manufacturer makes no warranties, expressed or implied, concerning this product or its use, which extend beyond the description on the face hereof. All statements made concerning this product apply only when used as directed. Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>.

