

# Expand-K™

## 0-0-14

### GUARANTEED ANALYSIS

Soluble Potash (K <sub>2</sub> O).....	14.00%
Manganese (Mn) .....	0.30%
0.30% Chelated Manganese (Mn)	
Zinc (Zn) .....	1.90%
1.90% Chelated Zinc (Zn)	

Derived from Potassium Acetate, Manganese EDTA, and Zinc EDTA.

F3445

### GENERAL INFORMATION

Expand-K™ is formulated primarily for in-furrow, foliar or soil applications to prevent or correct potassium and zinc deficiencies in a wide range of plants. This product may be particularly beneficial during periods of peak nutrient demand, for crops growing on soils having poor nutrient availability or to crops suffering from a weakened root system. This product should be used as part of a comprehensive plant nutrition program for optimizing soil/nutrient conditions for plant growth, development, yield, and quality.

### DIRECTIONS FOR USE

Expand-K may be applied as a foliar spray by air or by ground, applied through irrigation such as drip or microsprinkler, or applied in-furrow. It is advised that Expand-K be diluted with water at no less than 2.5 parts water to 1 part product for foliar applications. Maintain agitation to provide uniform distribution within the spray tank. Use of a high-quality adjuvant at recommended rates is usually advised for optimizing product performance.

Do not apply foliar sprays when plants are under excessive heat or moisture stress. Consult your local agronomist before making applications of foliar nutrients to leafy vegetables, soft-skinned fruit, or susceptible crop varieties during periods of excessive temperatures, which may cause cosmetic injury or necrosis. Applications to foliage within 30 days of harvest may result in staining of rind or skin of developing fruit. Rain or overhead irrigation following application may cause minor cosmetic leaf shot-holing on *Prunus* species.

Timing of treatments should be based on crop nutrient demand, prevailing environmental conditions, plant tissue analysis data or other information that indicates a need for fast-acting, supplemental potassium. Consult your local agronomist for rates specific to your crop and conditions.

Do not apply near water, storm drains, or drainage ditches, or to any impervious surface. Do not apply if heavy rain is expected. Apply this product only to the intended application site.

#### FOLIAR APPLICATIONS:

**Field and Row Crops:** Apply 1-6 quarts per acre as a foliar at vegetative and/or reproductive stages. Multiple applications can be beneficial.

**Vegetable Crops:** Apply 1-4 quarts per acre.

**Tree and Vine Crops (including, but not limited to almonds, grapes, and walnuts):** Apply 1-4 quarts per acre at the appropriate stages of growth and development but before fruit set.

#### SOIL APPLICATIONS:

**Field and Row Crops:** Apply 2-6 quarts at planting with in-furrow starter. Before application, consider the total salt index and soil type for the rate of fertilizer application. Apply up to 2 gallons per acre through fertigation in-season.

**Vegetable Crops:** Apply 3-6 quarts per acre through drip or microsprinkler.

**Tree and Vine Crops (including, but not limited to almonds, grapes, and walnuts):** Apply 2-8 quarts per acre through drip or microsprinkler during bloom and fruit development.

**COMPATIBILITY:** Do not apply in-season with fertilizers containing phosphite. Expand-K can be mixed with most co-applied nutrient sources including ammonium polyphosphate (APP), orthophosphate and urea ammonium nitrate (UAN). Many fertilizers will mix spontaneously with this product. In some cases, please consider the following mixing procedure and labeled ratios for superior compatibility:

1. Fill tank with 1/2 of the needed UAN, APP, or orthophosphate.
2. Start agitation/recirculation and add the prescribed amount of Expand-K; continue agitation/recirculation during filling and application. If using an induction system, simply induct this product while filling your fertilizer tank.
3. Add the remaining fertilizer and any other products, allowing adequate time to insure complete mixing.

**CAUTION WHEN MIXING WITH UAN:** The temperature of UAN and storage time can influence successful mixing of the final solution; do not exceed a 10:1 ratio or 10 gallons UAN to 1 gallon of Expand-K.

Always jar test new combinations for compatibility prior to field mixing.

### PRECAUTIONARY STATEMENTS

#### KEEP OUT OF REACH OF CHILDREN

Based on currently available data, this product is not classified as a GHS hazardous substance. However, observe good industrial hygiene practices. Wash hands after handling. Refer to the Safety Data Sheet if first aid instructions are needed.

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Store in original container only and keep tightly sealed when not in use. Store away from incompatible materials. Dispose of contents/container in accordance with federal, state and local regulations.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html>

**⚠ WARNING:** Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### LIMITATION OF WARRANTY AND LIABILITY

To access Red Zone Technologies' warranty statement, please go to [rztproducts.com/warranty](http://rztproducts.com/warranty).

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RZT232709



**RED ZONE TECHNOLOGIES**  
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**NET CONTENTS: 2.5 GALLONS (9.46 Liters)**

DENSITY: 10.31 lb/gal at 68°F