



## PRODUCT TECH SHEET

# ROOT & BLOOM

### Product Description

Root & Bloom is a versatile liquid plant food that can be used at planting and as a foliar on any crop. Use when quality and yield are the goals at bloom stage, on soybeans, with sucker control on tobacco, and on all root crops during all growth stages.

### Application Benefits

- Low salt, pH balanced, safe and easy to apply. Will not burn and is non-corrosive
- Designed using orthophosphoric acid (phosphoric acid) for rapid availability
- Can be applied a planting in-furrow or 2x2
- Can be foliar applied when overall plant growth is desired or to address crop stress.
- May be used with other nutrient products for additional crop response
- Tank-mix flexible: can be applied with most herbicides, pesticides and fungicides

### Active Ingredients

Total Nitrogen (N) .....	2%
0.5% Ammoniacal Nitrogen ( <i>Ammonium Hydroxide</i> )	
1.5% Urea Nitrogen	
Available Phosphate ( $P_2O_5$ ) ( <i>Phosphoric Acid</i> ) .....	15%
Soluble Potash ( $K_2O$ ) ( <i>Potassium Hydroxide</i> ) .....	15%
Iron (Fe) ( <i>EDTA</i> ) .....	0.30%
0.30% Chelated Iron	
Zinc (Zn) ( <i>EDTA</i> ) .....	0.05%
0.05% Zinc	

### Application Rates

**GENERAL:** Standard dilution for both starter and foliar applications is 1-2 quarts per acre diluted in water. Tank-mix flexible—can be applied with other fertility products and most pesticides, herbicides, and fungicides. The product can be applied through overhead and drip irrigation systems.

**HIGH-YIELD:** Apply in-furrow, 2x2, or Y-drop at a rate of 1-2 gallons per acre diluted in water. Monty's high-yield program can vary for crops, application rates and timing. If you are interested in a high-yield program, contact your Monty's representative.

### Directions For Use

- Can be used in-furrow, foliar, 2x2, and y-drop.
- Best if used with other Monty's products including starters, foliars, micronutrients, and biologicals. Ask your representative about specialized programs.
- See label for more detailed information.

### Physical and Chemical Properties

pH: 6.5-7.5 | Water solubility: 100%

Density: 11.26-12.93 lbs./gal.

Specific gravity ( $H_2O=1$ ): 1.35-1.55

Monty's products are recommended as supplements to your current farming practices and are not recommended to replace the nutrients typically added to the soil. We suggest taking a soil and/or tissue test, have a qualified independent lab analyze the samples to determine nutrient levels in your soils and plants, and then follow the recommendations of a qualified CCA, agronomist or dealer.

When tank mixing any Monty's product with other farm chemicals, always read and follow the label directions of the chemical(s) you are considering and administer a jar test and/or a strip test before adding Monty's to your tank mix. When mixing with other farm chemicals, tank mix Monty's only after diluting the chemical according to label directions. Knowing the chemical's "mode of action" (block photosynthesis) or metal content (copper based) will help determine the compatibility of Monty's.

FOR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. AVOID CONTACT WITH SKIN, EYES, OR CLOTHING.

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

For more information, consult your sales representative,  
visit [montysplantfood.com](http://montysplantfood.com), or contact Monty's at 800.978.6342.