



## 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 at planting in-furrow or 2x2 (on each side of the row)
- 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	

### Directions for use

Can be used in-furrow, foliar, 2x2 (on each side of the row), and irrigation (y-drop). Standard dilution for both starter and foliar applications is 2-3 liters per hectare diluted in a suggested minimum of 150 liters of water. Product can be applied through overhead and drip irrigation systems. Sensitive seeds may react adversely due to the higher levels of Nitrogen.

### Physical and chemical properties:

pH: 6.5-7.5 | Water solubility: 100%

Density: 1.35 - 1.55 kg/liter

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>

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