

## Starter Products FAQs

### The basics of orthophosphate vs 80/20 poly blend starters

**Why should I use any starter?** Today's genetics are designed to have higher yield potential. Many years of accumulated data are proving that with today's new genetics, incorporating a quality starter into your program provides early-season advantages that pay off during the entire growing season. So it is incredibly important for the plant to get a quick, early start – especially before stress can happen. Establishing quick and more even emergence can lead to a healthier plant, healthier root development, and an increase in the young plant's stamina. Remember, you can never make up for lost yield potential.

**What is the difference between 100% Orthophosphate and 80/20 Phosphate?** Orthophosphate is 100% readily available to the plant. The 80/20 poly blend contains a synthetic phosphorus, heavy metals, and requires as much as 20 to 40 days of conversion (depending upon soil conditions) to become plant available. This delay can result in uneven germination, uneven emergence, and inconsistent root development — and an overall less healthy and productive plant. Conversely, when more phosphorus is immediately available to the plant through the use of orthophosphate, you obtain better root development, quicker and more even emergence, and a healthier plant.

**What are the advantages of 100% food-grade?** The advantages of the orthophosphate 100% food-grade is it provides the cleanest, safest, most efficient method of delivering the nutrients without the synthetics and heavy metals found in polyphosphate blends. And has lower salt content.

**What are the advantages of including humics with Premium Blend?** The goal of a starter is to create the optimum environment for quick and consistent seed germination. The added humics stimulate additional bio-activity which leads to faster and more efficient seed germination. All of which can lead to a healthier plant, better root development, and ultimately higher yields!

**Why is the application rate for Premium Blend so much lower than other starter blends?** Since Monty's Premium Blend utilizes a food grade, 100% Orthophosphate all the phosphate applied is readily available and accessible to the seed instead of only a portion being available as with blends. Consequently, less is required. This efficiency, when combined with the advantages of including humics add up to an effective, efficient package at a lower application rate.

**Why is a starter important in cool, wet soil conditions?** Starters are important because they help the seed to germinate and help the plant emerge from the soil quickly. Seeds which are allowed to remain in cool, wet soils do not germinate. A 100% orthophosphate starter provides immediately available nutrients needed at germination and emergence, especially under these unique, adverse planting circumstances. The 100% orthophosphate starter can offer benefits to the plant all season long.

## Compare Monty's Starter Products

Monty's offers a variety of blends designed to help growers maximize their starter programs... for the best seed emergence, plant development, and crop success possible!

	Premium Blend	6-24-6	6-18-6
6-24-6 with 1% Sulfur and .05% EDTA Zinc and humics >(100% Orthophosphate)	★		
6-24-6 with 1% Sulfur >(100% Orthophosphate)		✓	
6-18-6 with 1% Sulfur and .05% EDTA Zinc >(100% Orthophosphate)			✓
Contains Monty's activated humic technology for the best start	★		
Add Monty's activated humic technology (1 pint to 1 quart per acre) to improve the starter's effectiveness		✓	✓
100% food grade orthophosphate, provides the cleanest, safest, most efficient method of delivering nutrients, maximizing seed development	★		
100% tech grade orthophosphate, provides an efficient method of delivering nutrients, maximizing seed development	★	✓	✓
Orthophosphate (low salt) is the most efficient form of phosphate, while a polyphosphate (high salt) can reduce efficiency by as much as 20%	★	✓	✓
Convenient package of nutrients allows for fewer mixing issues and more value	★	✓	✓
Sulfur and Zinc help increase the plant's stamina	★		✓
Helps address stress earlier in the season leading to higher yields	★	✓	✓
Easier on your soil – contains no urea	★	✓	
Immediately available for a quicker start	★	✓	✓
Can be applied as a starter in furrow, or foliar applied on corn, beans, and other crops	★	✓	✓
Can be applied with Liquid Nitrogen*		✓	✓
> Suggested in-row application rate per acre	2 ga	3 ga	3-5 ga

\* The addition of a compatibility agent may be required when mixing with Liquid Nitrogen or Potassium Carbonate at a high ratio. Monty's recommends administering a jar test prior to mixing. Contact your sales representative for more information.



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# Monty's Starter Products



## PREMIUM BLEND

### 6-24-6

### 6-18-6

# Monty's offers a variety of blends designed to help growers maximize their starter programs... for the best seed emergence, plant development, and crop success possible!

## Premium Blend

Monty's Premium Blend is a pop-up designed to get the seed out of the ground quickly to maximize a plant's development. Consider the advantages:

- 100% Orthophosphate
- 6-24-6 with 1% Sulfur and .05% EDTA Zinc
- Helps address stress earlier in the season leading to higher yields
- Easier on your soil – contains no urea
- Orthophosphate is immediately available for a quicker start
- Sulfur and Zinc help increase the plant's stamina
- Convenient package of nutrients allows for fewer mixing issues and more value
- Can be applied as a starter in furrow, or foliar applied on corn, beans, and other crops

### Active Ingredients

Total Nitrogen (N)	.6%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	24%
Soluble Potash (K <sub>2</sub> O)	6%
Sulfur (S)	.1%
Zinc (Zn)	0.05%
Non-plant food ingredients:	
Humic Acid	0.25%

### General applications for all starters

At planting: 2-3 gallons per acre for maximum efficiency. Early growth or with herbicides: Foliar apply 2-4 quarts. Available in 275 gallon totes and bulk.

## 6-24-6

Monty's 6-24-6, 1S is a starter designed to get the seed out of the ground quickly to maximize a plant's development. Consider the advantages:

- 100% orthophosphate
- 6-24-6 with 1% Sulfur
- Helps address stress earlier in the season leading to higher yields
- Easier on your soil – contains no urea
- Orthophosphate is immediately available for a quicker start
- Convenient package of nutrients allows for fewer mixing issues and more value
- Can be applied as a starter in furrow, or foliar applied on corn, beans, and other crops
- Can be applied with Liquid Nitrogen\*

### Active Ingredients

Total Nitrogen (N)	6%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	24%
Soluble Potash (K <sub>2</sub> O)	6%
Sulfur (S)	1%

### The key to success is orthophosphate

Orthophosphate (low salt) is the most efficient form of phosphate, while a polyphosphate (high salt) can reduce efficiency by as much as 20%.

Visit [YouTube.com/MontysPlantFood](https://www.youtube.com/MontysPlantFood) for more information.

\* The addition of a compatibility agent may be required when mixing with Liquid Nitrogen or Potassium Carbonate at a high ratio. Monty's recommends administering a jar test prior to mixing. Contact your sales representative for more information.

## 6-18-6

Monty's 6-18-6, 1S is a starter designed to get the seed out of the ground quickly to maximize a plant's development. Consider the advantages:

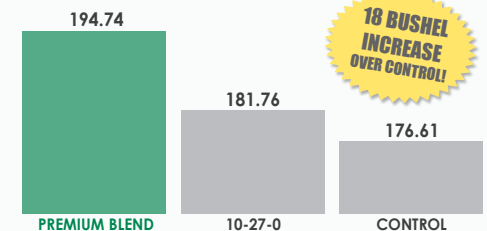
- 100% orthophosphate
- 6-18-6 with 1% Sulfur and .05% Zinc
- Helps address stress earlier in the season leading to higher yields
- Orthophosphate is immediately available for a quicker start
- Convenient package of nutrients allows for fewer mixing issues and more value
- Can be applied as a starter in furrow, or foliar applied on corn, beans, and other crops
- Can be applied with Liquid Nitrogen\*

### Active Ingredients

Total Nitrogen (N)	.6%
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	18%
Soluble Potash (K <sub>2</sub> O)	6%
Sulfur (S)	.1%
Zinc (Zn)	0.05%

### Research shows the difference starting with Premium Blend!

Yield in bushels per acre of corn



Research by Dr. Ron Heiniger, North Carolina State University.