

# 7-25-5<sup>™</sup>

## Product Data Sheet

### High Ortho Phosphate In Row Starter Fertilizer



SummitGold's 7-25-5 is a seed safe high ortho phosphate in row starter fertilizer designed to increase germination and increase ear size. 7-25-5's 80/20 ortho/poly phosphate blend provides the right amount of available phosphorus for the germinating crop at a time when soil conditions are typically cool and damp and soil phosphate is not readily available.

#### First 30 days after planting

1. Yield potential is determined
2. Available phosphate is crucial
3. Soil temps and moisture levels are typically not optimum for P release

#### How do you manage the first 30 days after planting:

Use a product that contains a high percentage of ortho phosphate and a small percentage of poly phosphate. Ortho phosphate is immediately plant available regardless of temperature and moisture levels in the soil. Poly phosphate will only become plant available when soil temperatures and moisture levels are optimum for native organisms to begin their process of converting poly phosphate into ortho phosphate (optimum = sustained 65 degrees and above).

**Note: high levels of poly phosphate around the root zone can tie up other essential nutrients making them unavailable to the plant.**

#### 7-25-5 vs. other starter fertilizers:

- The primary reason to use starter fertilizers in furrow at planting is for the ortho phosphate delivered to the germinating plant
- SummitGold recommends approximately 9 lbs. of ortho phosphate per acre in furrow to ensure plenty of P for maximum ear size.

#### Starter Fertilizer Cost Comparison:

**SG 7-25-5 80/20:** (80% ortho phosphate) \$4.75 per gallon

Recommended rate: 8-9 lbs. of ortho phosphate per acre

Application rate needed:

- 4 gallons / acre delivers approximately 9 lbs. of ortho phosphate per acre
- Cost per acre for 4 gallons of 7-25-5 80/20 \$19.00

**Competitive product 7-25-5 50/50:** (50% ortho phosphate) \$3.25 per gallon

Recommended rate: 8-9 lbs. of ortho phosphate per acre

Application rate needed:

- 4 gallons / acre delivers approximately 5 lbs. of ortho phosphate per acre
- 6.75 gallons / acre delivers approximately 9 lbs. of ortho phosphate per acre
- Cost per acre for 6.75 gallons of 7-25-5 50/50 \$21.93

#### Net Return:

SG 7-25-5 80/20 is **\$2.93 less** per acre compared to a 50/50 ortho/poly 7-25-5 when comparing the amount of product needed to deliver the 9 lbs. per acre of ortho phosphate necessary to maximize yield in the first 30 active growing days.





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## FEATURES

- Low-salt, chloride free and near neutral pH
- 100% water soluble
- Non-corrosive
- Trouble-free
- Salt Index 14.1
- Salt out temperature 3 degrees
- pH 7.2

## BENEFITS

- Seeds respond in cold soils
- Crops emerge earlier and more uniform
- Increases yield potential
- Produces higher quality and drier crops at harvest

## FREQUENTLY ASKED QUESTIONS

Q: What is the orthophosphate content in GoldStart 7-25-5?

A: GoldStart 7-25-5 is 80% orthophosphate and 20% polyphosphate. This allows seedlings to absorb the orthophosphate they need early then utilize the polyphosphate a little later after it has broken down.

Q: Am I able to apply GoldStart 7-25-5 directly on the seed without fear of germination damage?

A: Yes, GoldStart 7-25-5 is designed to be applied directly on the seed without causing germination issues. Always follow application rates on the label. Do not apply directly on the seed in saline, alkali, or coarse textured soils.

Q: Can I add other nutrients to GoldStart 7-25-5?

A: Yes, any EDTA micronutrients will easily blend with GoldStart 7-25-5 with agitation. Soil amendments such as humic acids and additional nutrients like sulfur and potassium may also be added. Always jar test before blending in a tank.

Q: Can I mix GoldStart 7-25-5 with 28% or 32% UAN solution?

A: No, due to the potassium and the high orthophosphate content in GoldStart 7-25-5, there can be stability issues if mixed with these nitrogen products.