# **Field Trial Report**

### 2011 SEAREC Preliminary Potassium Source Study



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FIELD INFORMATION					
Field Name: YS	Acres: 5	2010 Crop: corn	2011 Crop: Soybeans		
Soil type: Duffield	Field Length: 232 feet	Tillage: No till	Planting Date: 5/10/11		
Soybean Variety: Pioneer 93M11	Seed Treatment: Trilex plus Gaucho	Inoculants: Optimize	Planting Depth: 1 inch		
Planter/Drill and width: 10 foot 7 inch JD1250 drill		Herbicide: Glyphosate+ Canopy f/b Glyphosate			
Sprayer/width: 20	Combine/width: 15	Yield Monitor: No GPS capability: No			
Guidance system: No	Soil Test K (ppm): 169	Design: Randomized Complete Block 3 reps			

#### TREATMENTS EVALUATED

- 1. Untreated Control
- 2. 140lb/acre K20 as applied at planting
- 3. 140lb/acre K20 at plant as applied f/b Foliar K @ R2 (Coron 10-0-10-0.5B @ 1gal/acre)
- 4. Foliar K @ R2 (Coron 10-0-10-0.5B @ 1gal/acre)
- 5. In season 140lb/acre K20 at flowering

#### RESULTS

This study was established to evaluate the impact of various potassium sources. None of the treatments had an impact on yield, probably because of the optimum soil K level in the field.

Treatment	Yield	Grain Moisture	Test Wt.
	Bu/ac	%	Lb/bu
Control	60.1	15.5	51.1
140 K20 @plant	59.6	15.0	50.7
140 K20 fb foliar K	58.3	14.9	50.3
Foliar K	60.2	15.0	50.5
Foliar K at Flowering	57.5	15.2	52.1
Significant	NS	NS	NS

Notes: Conditions were dry in Late July and August. Disease and insect pressure was low

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