

# K-STATE

Research and Extension

## Johnson County

Johnson County Extension

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(913) 715-7000

## AG SOIL SAMPLE INFORMATION SHEET

Date: \_\_\_\_\_

Grower: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ County: \_\_\_\_\_

Email: \_\_\_\_\_

For Lab Use	Sample ID	Sample Depth		Intended Crop	Yield Goal	Acres	Previous Crop	Soil Test Requested	Package Number	Analysis Included	Cost
		Top	Sub								
				<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____			<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____		#1	pH, Buffer pH, P, K	\$12
				<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____			<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____		#2	Pkg #1 + O.M. + S (default stormwater test)	\$16
				<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____			<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____		#3	Profile - NO <sub>3</sub> , Sulfur, Chloride ( 0-24")	\$13
				<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____			<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____				
				<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____			<input type="checkbox"/> Corn <input type="checkbox"/> Wheat <input type="checkbox"/> Milo <input type="checkbox"/> Soybeans <input type="checkbox"/> Brome <input type="checkbox"/> Fescue <input type="checkbox"/> Other: _____				

Type of Fertilizer Recommendation for P and K (refer to back of sheet for explanation):

**Sufficiency** Sufficiency recommendations are based upon meeting the intended crop's nutrient requirements.

**Build** Build maintenance recommendations can be used to build soil test P and K within a certain number of years.

Number of years to build P and K: _____
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Comments: \_\_\_\_\_  
 \_\_\_\_\_

### **Options for Fertilization Recommendations:**

**Sufficiency** fertility programs are intended to estimate the long-term average amount of fertilizer phosphorus required to, on average, provide optimum economic return in the year of nutrient application while achieving about 90-95% of maximum yield. In some years greater amounts of nutrient are required for optimum yield and economic return, while in other years, less than recommended amounts of nutrient would suffice. There is little consideration of future soil test values and soil test values will likely stabilize in the 'low,' crop responsive range.

**Build-maintenance** recommendations are intended to apply enough phosphorus or potassium to build soil test values to a target soil test over a planned time frame (typically 4-8 years) and then maintain soil test values in a target range in future years. If soil test values exceed the target range, no phosphorus or potassium is recommended with the exception of low starter applied rates if desired. Build-maintenance fertility programs are not intended to provide optimum economic return in a given year, but rather attempt to minimize the probability of phosphorus or potassium limiting crop yields while providing for near maximum yield potential.