Collecting Leaf Samples from Sorghum Crop, for Nutrient Analysis

Soil Texture: Clay **Soil Structure:** Granular **Aggregate Stability:** Good (high Organic Matter)

Nutrients ON = Organic Nitrogen mineralized	Irrigation Water Analysis (ppm x 0.23 x 13" = lb./ac.)		Soil Analysis 0-6" depth (ppm x 1.7 = lb./ac.)		Nutrient Inputs	Plant Tissue Analysis Note: N is kjeldahl nitrogen & Sulfur is total Sulfur		Should I Apply Nutrients? - Yes (Y) No (N) - Maintenance (M) - Not Sure (?) - Other (O)
	ppm or mg/l	Pounds per Acre	ppm or mg/Kg	Pounds per Acre (VL, L, M, H, & VH)	Pounds per Acre	% or ppm & Rating (low - high)	Sufficiency Range (bud to full bloom)	
Organic Matter			1.51%	25,670				O: cover crops
N mineralized			ON	32.0	≈ 90 -150			O: legume
Nitrate-Nitrogen	Not	Analyzed	25.9	44.0 H	N	4.1% H	3.1-3.6%	N: don't apply
Phosphorus			7.5	12.8 VL	P_2O_5	0.34% H	0.3-0.35%	M: Manure
Potassium	0.9	2.7	78	133.0 H	K_2O	2.4% M	2.2-2.8 %	N: don't apply
Sulfate-Sulfur	5.0	15.0	Not	Analyzed	none	0.22% L	0.2 – 0.4%	O: Gypsum
Calcium	26.7	79.8	200	340 M	none	0.56% L	1.2-1.5%	M: Gypsum

NRCS Active Carbon Field Kit

Agronomy Tech Note 76 (http://www.nm.nrcs.usda.gov/technical/handbooks/iwm/nmiwm.html)