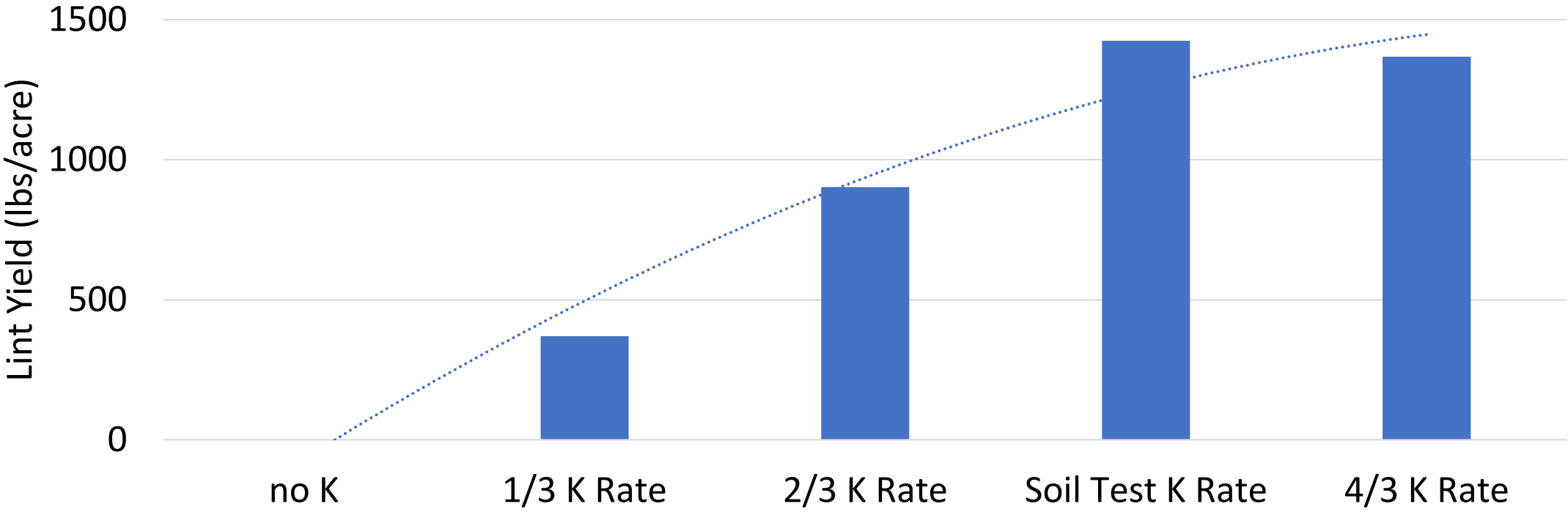




Lint Yield at 43% Turnout

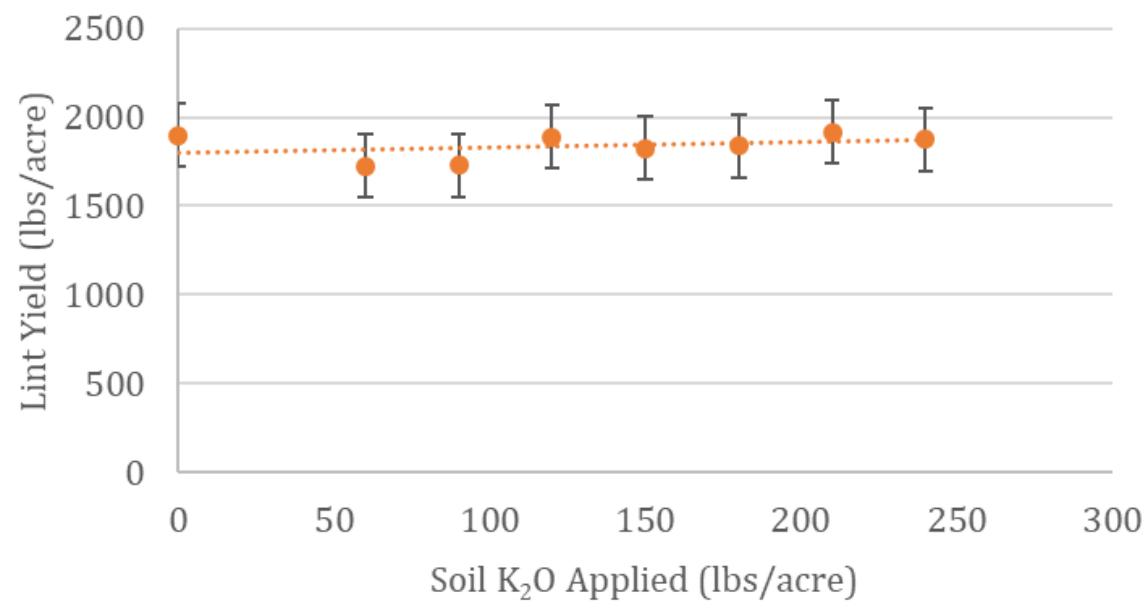


2018-2019 Potassium Rate Study



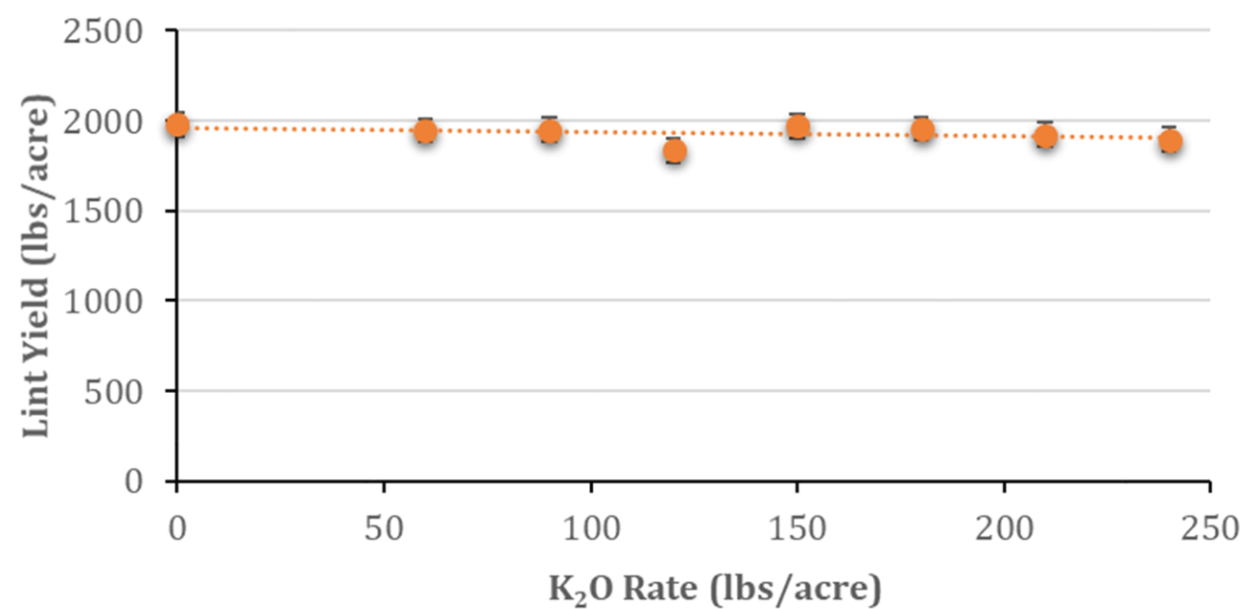
<u>Location</u>	<u>Initial Soil Test K (lbs per acre)</u>	
	2018	2019
E. V. Smith Research Center	94	-
Gulf Coast Research Center	130	133
Prattville Research Unit	240	289
Tennessee Valley Research Center	192	192
Wiregrass Research Center	-	67

WREC 2019 Lint Yield



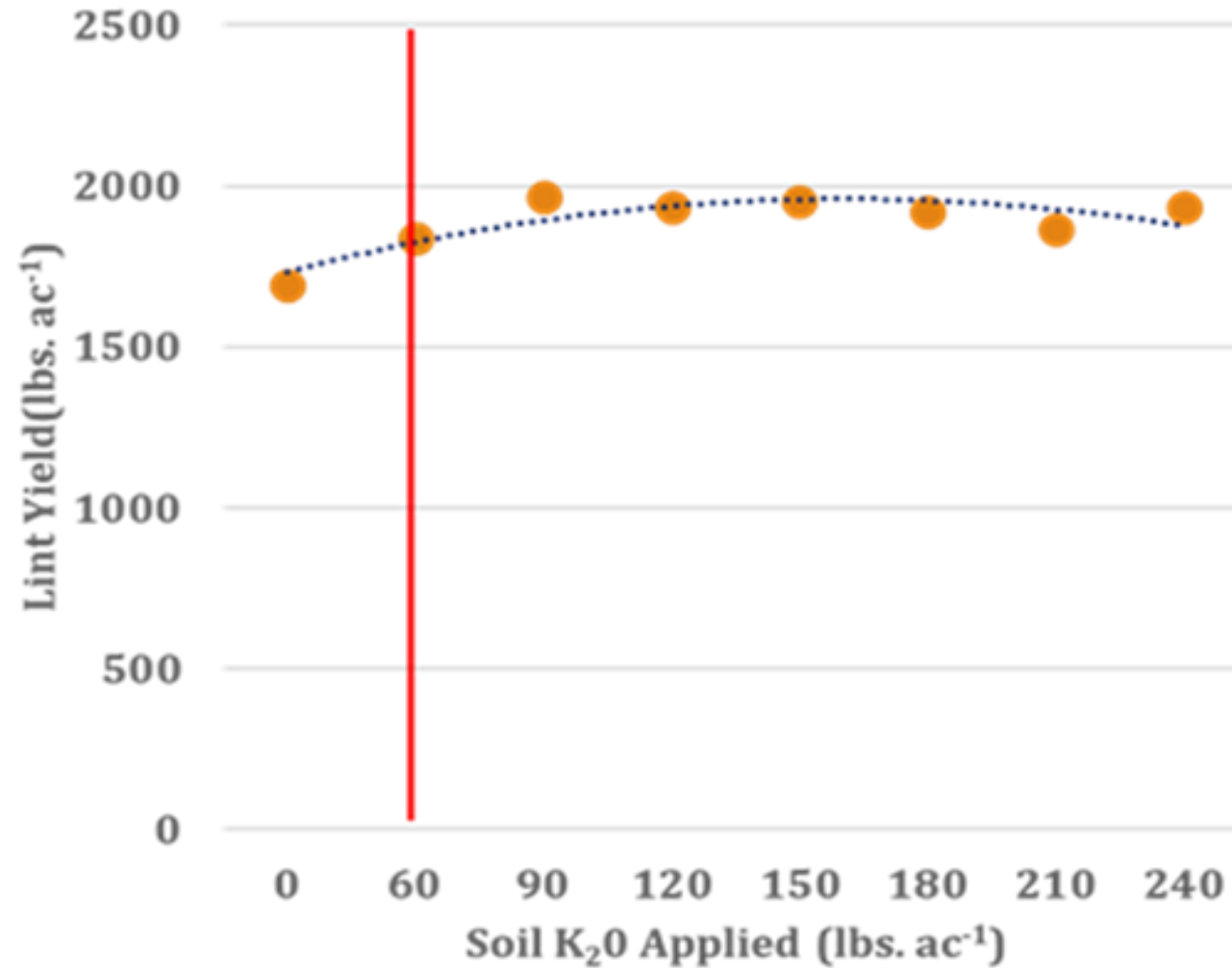
Initial Soil Test K: 67 lbs/A

TVREC 2019 Lint Yield



Initial Soil Test K: 192 lbs/A

Lint Yield by Fertilizer Rate - EVS 2018



Initial Soil Test K: 94 lbs/A



Causes of K Deficiency when Soil Test K Is Sufficient

1) Insufficient Soil Moisture



Causes of K Deficiency when Soil Test K Is Sufficient

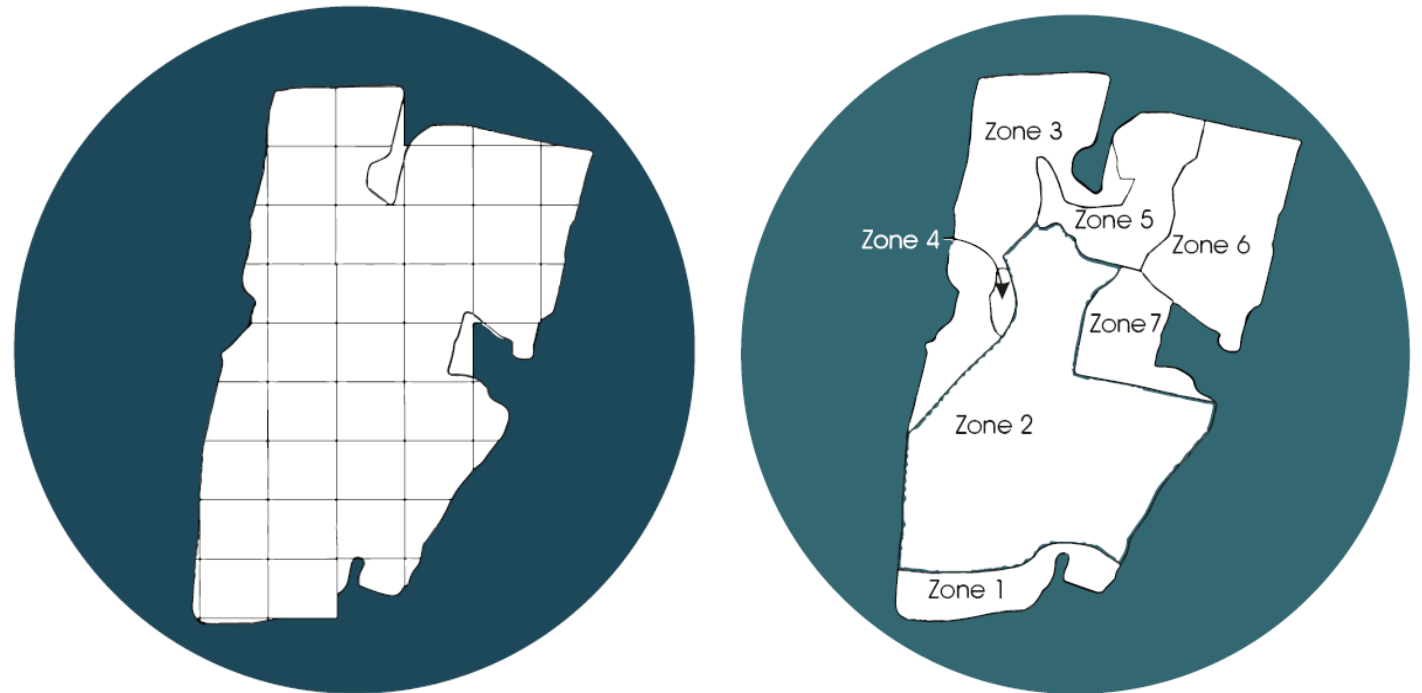
2) Compaction

Photo courtesy of Eddie McGriff



Causes of K Deficiency when Soil Test K Is Sufficient

3) Field Variability



Schematics from UGA Extension



Causes of K Deficiency when Soil Test K Is Sufficient

4) Depletion of subsoil K



Causes of K Deficiency when Soil Test K Is Sufficient

5) Heavy boll load

Foliar K

- Two applications of foliar K
- 4 lbs K_2O per acre
- Early bloom and 10 days later
- No effect on cotton yield

