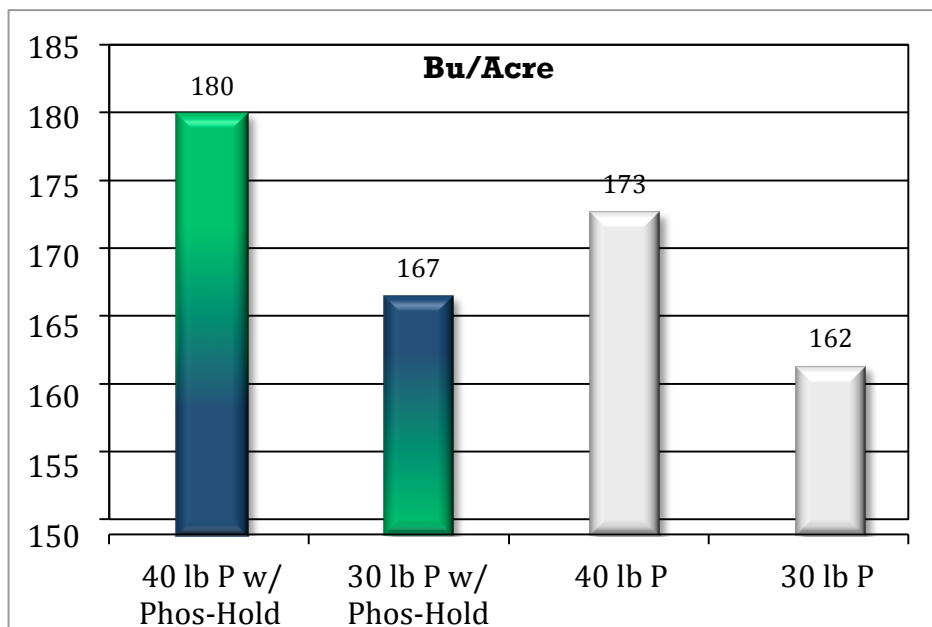


# 2013 Corn Trial: Kansas State University



**Phos-Hold**

**7**

**Bushel/Acre  
Increase**

*\*Results submitted by:  
Dr. Allen Schlegel, Kansas State University*

Location: SWREC Irrigated Field near Tribune, KS  
Soil type: Ulysses silt loam  
Crop: Corn  
Plot size: 10' X 25' (4 rows/plot, 30" row width).  
Experimental design: RCBD; 4 treatments P with 4 replications

Treatments 5/22/13 All treatments broadcast

Planting date: 5/06/13  
rate: 34,000 seeds/a  
variety: Pioneer P0832

Fertilizer date: 5/22/13  
type: per treatment  
rate:

Herbicides date: 5/07/13  
type: Lumax + Glyphosate + Atrazine 4L + AMS  
rate: 3 qt/a + 32 oz/a + 1 pt/a + 1.7 lb/a  
date: 6/25/13  
type: Glyphosate + AMS  
rate: 22 oz/a + 1.7 lb/a

Tillage: treatment: All treatment: All  
date: 4/01 & 4/04 date: N/A  
type: Disced type: Field Cultivated

Previous Crop: Corn

Harvest date: 10/15/13  
method: Machine harvest, 2 rows x 22'

In-season rainfall 5/06/13 - 10/15/13 = 15.68"

Irrigation 5/06/13 - 10/15/13 = 15.93"

\*\* 1.64" irrigation on 4/06/13 would count as fallow rainfall \*\*

#### Notes

Soil test (3/5/13) 0-6 inches: pH=8.1, OM=2.0%, Mehlich 3P=9 ppm

Soil samples @ 14, 21 and 28 days after treatment

Plant samples: 6/plot +30 day whole plant on 6/20

8/plot top leaf samples +45d on 7/05 and ear leaf +60d on 7/24.

Stalk samples (6/plot) after black layer (10/17/13)