

Applied Research Report

Soybean Seed Size - 2009

Stephen Biles, Extension Agent - IPM for Calhoun, Refugio and Victoria Counties

Summary

Estimating yield mid-season can be important for determining crop value for management activities. Other soybean producing regions of the United States use 2500 seed per pound as a reference to estimate yield. This trial was conducted to determine seed weight of the beans coming off soybean fields in Calhoun and Victoria Counties.

Materials and Methods

Soybeans seed was sampled from 11 fields in Calhoun and Victoria counties at harvest. From each field, one sample was taken. Ten groups of 100 seed were counted from each sample and weighed. Calculations were made based on these counts to determine seed per pound, seed per 60 lb. bushel, and bushels per 1,000,000 seed.

Results

Seeds per pound varied from 2,602 to 7,061 with a median of 3,690 (Table 1). Seed per bushel ranged from 156,103 to 423,640 with a median of 221,375. And bushels per million seed ranged from 2.36 to 6.41 with a median of 4.52.

Table 1. Soybean seed per pound, seed per bushel, and bushels per million seed. (2009).

	Seed per Pound	Seed/60# BU	BU/1,000,000 seed
Max	7,061	423,640	2.36
Min	2,602	156,103	6.41
Std Deviation	921		
Median	3,690	221,375	4.52
Mean	3,875	232,473	4.30