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## Notice of Release of Custer Soybean

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The Illinois Agricultural Experiment Station, Urbana  
 The Kentucky Agricultural Experiment Station, Lexington  
 The Missouri Agricultural Experiment Station, Columbia  
 and

United States Department of Agriculture  
 Agricultural Research Service  
 Crops Research Division  
 Beltsville, Maryland

#### NOTICE OF RELEASE OF CUSTER SOYBEAN

The Crops Research Division, Agricultural Research Service, and the cooperators listed above announce the release of a new phytophthora- and cyst nematode-resistant soybean variety named Custer. Custer is the second cyst nematode-resistant variety to be released. It is earlier than the previously released variety Pickett.

Custer was developed at Missouri Agricultural Experiment Station from the cross  $\frac{1}{2}$  (Scott<sup>4</sup> x Peking)<sup>3</sup> x (i<sup>1</sup> Rhg<sup>4</sup> line from Scott<sup>2</sup> x Peking ) ) x (Scott<sup>9</sup> x Blackhawk) / x (Scott<sup>5</sup> x Peking). Custer, designated prior to its release as S5, is a composite of 23 resistant F<sub>4</sub> lines.

Custer has purple flowers, gray pubescence and yellow seeds with imperfect black hila. It was tested in the regional Uniform Tests in 1966 by research workers of the U. S. Regional Soybean Laboratory, Crops Research Division, and cooperating experiment stations in the area where Group IV varieties are adapted. The performance at 6 locations in Custer's area of adaptation in Illinois and Missouri are as follows:

Variety	Yield (Bu/A.)			Mat. Date	Lodg- ing Score	Ht. In.	Seed Quality Score	Seed Wt. g/100	Percentage	
	Illinois	Missouri	Mean						Protein	Oil
Clark 63	44.0	36.7	40.3	9-30	2.1	41	2.4	18.0	42.3	20.6
Kent	47.4	39.9	43.6	10-7	1.7	41	2.1	19.8	42.3	21.1
Scott	43.7	38.1	40.9	10-8	2.2	45	2.2	15.2	39.2	19.9
Custer	43.5	39.3	41.4	10-4	2.6	48	2.2	15.5	37.9	20.2

Breeders seed will be increased in Ky by the University of Kentucky Foundation Seed Project.

J. F. Shane  
 S. H. Phillips

The Crops Research Division will not increase and distribute seed to growers. Each agency will be responsible for its own publicity with the understanding that the date for simultaneous release will be February 6, 1967.

/S/ M. B. RUSSELL  
Director, Illinois  
Agricultural Experiment Station

Date Jan. 16, 1967

/S/ Charles E. Barnhart  
Director, Kentucky  
Agricultural Experiment Station

Date Feb. 1, 1967

/S/ Elmer R. Kiehl  
Director, Missouri  
Agricultural Experiment Station

Date Jan. 12, 1966

/S/ H. Rex Thomas  
Director,  
Crops Research Division

Date Feb. 3, 1967