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York Soybeans Added to Recommended List

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AGRONOMY NOTES

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YORK SOYBEANS Agriculture Library ADDED TO RECOMMENDED LIST
UNIVERSITY OF KENTUCKY

by

D. B. Egli

Origin

York soybean, a pure line selection developed by the Virginia Agricultural Experiment Station from a cross of Dorman X Hood, was recently added to the recommended list for Kentucky. It was released jointly in 1967 by Virginia, Maryland, and North Carolina.

Description and Characteristics

York has purple flowers and gray pubescence. Pods are predominantly two-seeded. The yellow seeds are slightly off-round with a buff hilum. York has high resistance to purple seed stain and moderate resistance to phytophthora rot and bacterial pustule diseases. York seed has generally been free of seed coat mottling.

Performance

Tests comparing York to Hill and Dare were conducted at four locations in Kentucky for periods varying from 2 to 4 years. York matured slightly earlier than Dare and 7 to 10 days later than Hill. Its seed quality, protein and oil content, and height did not differ significantly from Hill and Dare. Seed size is generally larger than Hill and Dare (Hill-3400, Dare-3000, and York-2600 seeds/pound). Seed yield has been somewhat higher than Hill and approximately equal to Dare (see table on following page). York exhibits some tendency to be more resistant to lodging than Hill and Dare.

Performance of York Soybeans in Kentucky 1966-69

	Yield-Bu/Acre			Lodging ^{4/}		
	Hill	Dare	York	Hill	Dare	York
MURRAY ^{1/}	36.9	47.1	46.9	1.0 ^{5/}	2.3	1.0
PRINCETON ^{2/}	40.0	40.5	42.3	2.3	2.2	1.9
HICKMAN ^{3/}	41.3	45.6	46.0	2.4	2.0	1.4
HENDERSON ^{3/}	<u>32.8</u>	<u>39.1</u>	<u>35.2</u>	<u>2.8</u>	<u>3.0</u>	<u>1.8</u>
Average	37.8	43.1	42.6	2.1	2.4	1.5

1/ 2 years data - 68-69

2/ 4 years data - 66-69

3/ 3 years data - 66-68

4/ 1 = all plants erect, 5 = all plants flat

5/ 1968 data only - Murray

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