

The Ohio Agricultural Research and Development Center

**NOTICE OF RELEASE OF VERTEX SOYBEAN
TO CERTIFIED SEED PRODUCERS**

The Ohio Agricultural Research and Development Center announces the release of a new soybean cultivar named 'VERTEX'.

Vertex was developed at the Ohio Agricultural Research and Development Center as an F₄-derived line from the cross 'Conrad' x 'Hayes'. Vertex originated from the same F₂ plant as the cultivar 'Sandusky'. Vertex was evaluated under the designation HS88-4905 in Ohio tests from 1989 to 1992 and in the Uniform Tests, Northern States, from 1990 to 1992. The two-year mean performance of Vertex in Uniform Test II (1991-1992) is summarized below:

Cultivar	Yield bu/a	Date mature	Lodging score?	Height in	Seed quality ¹	Seed	Seed content	
						size cg	protein % ²	oil % ³
Vertex	47.9	9/15	1.5	34	1.9	17.6	39.0	21.3
Sturdy	46.8	9/15	1.9	33	2.1	18.4	40.4	20.6
Kenwood	49.9	9/17	2.0	35	2.0	16.1	38.9	21.1

1-rated from 1 (erect) to 5 (prostrate).

2-rated from 1 (very good) to 5 (very poor).

3-0% moisture basis.

Vertex is an indeterminate maturity group II cultivar with purple flowers, gray pubescence, and brown pods. Seeds are dull yellow with buff hila. Vertex is homozygous for the Rps1k allele, which confers resistance to races 1 through 11, 13, 14, 15, 17, 18, 21, 22, 24, and 26 of Phytophthora sojae (Kauf. and Gerde.), the causal agent of phytophthora rot. In addition, Vertex has moderate tolerance to race 25 of P. sojae.

Vertex was released because of its early maturity, high yield, lodging resistance, and resistance to phytophthora rot.

Foundation seed of Vertex was produced in 1993 by Ohio Foundation Seeds, Inc. The date of release for Vertex is August 1, 1993. Plant Variety Protection, with the requirement that Vertex may not be sold except as a class of certified seed, will be applied for.

Certified seed growers located outside of Ohio may produce and sell seed of Vertex provided they agree to the terms of the royalty policy of the Ohio Agricultural Research and Development Center, The Ohio State University.

Director, Ohio Agricultural
Research and Development Center

Date