

The Ohio Agricultural Research and Development Center

**NOTICE OF RELEASE OF 'OHIO FG3' SOYBEAN
TO CERTIFIED SEED PRODUCERS**

The Ohio Agricultural Research and Development Center announces the release of a new soybean cultivar named 'Ohio FG3'.

Ohio FG3 was developed at the Ohio Agricultural Research and Development Center as an F₄-derived line from the cross HS89-8843 × 'Ohio FG1'. The parent HS89-8843 is from 'Hayes' × 'LS301'. Ohio FG3 was evaluated under the designation HS96-3144 in the Ohio Large-Seeded Test from 1998 to 2000. The three-year mean performance of Ohio FG3 is summarized below:

Entry	date mature	lodgin g score ^a	seed weight (cg)	height (in) ^b	yield (bu/a)
Vinton 81	9/10	1.5	21.1	29	43.5
Ohio FG3	9/11	1.3	22.0	30	46.2
Tiffin	9/12	1.6	15.7	29	49.2
Ohio FG2	9/17	1.5	23.2	31	46.9
Defiance	9/17	1.3	18.6	31	51.2
Ohio FG1	9/19	1.3	22.8	29	49.4
Kottman	9/20	1.2	16.3	31	56.9

^arated from 1 (erect) to 5 (prostrate). ^bdata from 1999-2000 only.

Ohio FG3 is an indeterminate maturity group II cultivar with purple flowers, gray pubescence, and brown pods. Seeds are dull yellow with yellow hila. Ohio FG3 carries the genes *Rps1k* and *Rps3a*, which confer race-specific resistance to *Phytophthora sojae* (Kauf. and Gerde.), the causal agent of Phytophthora rot.

Averaged across 6 Ohio tests from 1998 to 2000, seed of Ohio FG3 had a protein content of 44.1% and oil content of 19.0% (dry weight basis). In the same tests, Ohio FG1 averaged 42.5% protein and 19.9% oil.

Ohio FG3 was released because of its earlier maturity, higher protein content, and improved disease resistance in relation to Ohio FG1.

Foundation seed of Ohio FG3 will be produced in 2001 by Ohio Foundation Seeds, Inc. The date of release for Ohio FG3 is August 1, 2001. Plant Variety Protection, with the requirement that Ohio FG3 may not be sold except as a class of certified seed, will be applied for. Growers intending to produce this variety are expected to respect the rights of OARDC and to pay royalties as required by the policies of OARDC and The Ohio State University.

Director, Ohio Agricultural
Research and Development Center

Date