

The Ohio Agricultural Research and Development Center

**NOTICE OF RELEASE OF 'KOTTMAN' SOYBEAN
TO SEED PRODUCERS**

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

Kottman was developed at the Ohio Agricultural Research and Development Center as an F₄-derived line from the cross HS88-7363 x HS88-4988. The female parent HS88-7363 is the F₂-derived line from which 'General' was selected and derives from Voris '311' x 'Resnik'. The male parent, HS88-4988, is from 'Winchester' x A83-271027. The line A83-271027 is from Northrup King 'S1492' x Asgrow 'A3127'.

Kottman was evaluated under the designation HS94-4544 in Ohio tests from 1995 to 1998. The mean relative performance of Kottman in the Ohio Advanced Line Test B in 1996-98 is summarized below:

Entry	Date mature	Lodging score†	Height (in)	Yield (bu/a)
Defiance	9/22.3	1.5	31.2	55.2
Kottman	9/24.8	1.4	28.7	58.9
General	9/26.3	1.5	29.8	59.2

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

Kottman is an indeterminate cultivar of maturity group III with white flowers, light tawny pubescence, and tan pods. Seeds are dull yellow with black hila. Kottman has both the *Rps1k* and the *Rps3* genes for resistance to phytophthora rot. Kottman is susceptible to brown stem rot, soybean cyst nematode, and sclerotinia white mold. In Ohio tests (1996-98), seeds of Kottman had a mean content of 43.2% protein and 20.1% oil, in comparison with 43.3% protein and 19.9% oil for General.

Kottman was released because of its high yield in relation to cultivars of similar maturity and its resistance to phytophthora rot.

Foundation seed of Kottman was produced in 1998 by Ohio Foundation Seeds, Inc. The date of release is August 1, 1999.

Director, Ohio Agricultural
Research and Development Center

Date