

The Ohio Agricultural Research and Development Center

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

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

Defiance was developed at the Ohio Agricultural Research and Development Center as an F<sub>4</sub>-derived line from the cross HM8778 x Asgrow 'A3733'. The line HM8778 was derived from 'Zane'<sup>4</sup> x HW79149. Defiance was evaluated under the designation HS91-4523 in Ohio tests from 1992 to 1995. It was also entered in Uniform Test III in 1994 and 1995. The mean relative performance of Defiance in the Ohio Advanced Line Test A in 1993-95 is summarized below:

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Cultivar	Date mature	Lodging score?	Height in	Yield bu/a
IA 2007	9/15	1.3	28	49.3
Sandusky	9/15	1.3	29	47.0
<b>Defiance</b>	<b>9/18</b>	<b>1.3</b>	<b>32</b>	<b>52.9</b>
Resnik	9/19	1.2	30	51.1

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

Defiance is an indeterminate cultivar of maturity group III with purple flowers, gray pubescence, and brown pods. Seeds are dull yellow with imperfect black hila. Defiance carries the *Rps3* allele from PI 82263-2, which confers resistance to races 1, 4, and 25 of *Phytophthora sojae* (Kauf. and Gerde.), the causal agent of phytophthora rot. Defiance is susceptible to brown stem rot and soybean cyst nematode. In Uniform Test III (1994-95), seeds of Defiance had a mean content of 41.8% protein and 20.7% oil, in comparison with 42.9% protein and 20.2% oil for the cultivar 'Thorne'.

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

Foundation seed of Defiance was produced in 1996 by Ohio Foundation Seeds, Inc. The date of release is August 1, 1996.

Seed growers located outside of Ohio may produce and sell seed of Defiance by arrangement with the Ohio Agricultural Research and Development Center, The Ohio State University, and Ohio Foundation Seeds, Inc.

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Director, Ohio Agricultural  
Research and Development Center

Date