THE MINNESOTA AGRICULTURAL EXPERIMENT STATION, ST. PAUL, MINNESOTA

THE NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION, FARGO, NORTH DAKOTA

THE SOUTH DAKOTA AGRICULTURAL EXPERIMENT STATION, BROOKINGS, SOUTH DAKOTA

NOTICE OF RELEASE OF LAMBERT SOYBEAN

The Minnesota Agricultural Experiment Station and the cooperators listed above announce the release of a high yielding soybean variety named LAMBERT. This variety was named in honor of the late J.W. Lambert.

LAMBERT originated as an F_5 plant selection from the cross M75-274 x M76-151 made at the Minnesota Agricultural Experiment Station. M75-274 is a selection from Evans x L70T-543G. L70T-543G is a selection from the cross L15 x Amsoy 71. L15 is a selection from Wayne(6) x Clark 63. M76-151 is a selection from the cross M70-271 x Hodgson 78. M70-271 has the pedigree Merit x M64-3. M64-3 is a selection from Traverse x PI 196163. The generations were advanced to the F_5 by a modified single seed descent procedure in Minnesota and Chile. From 1985-1991 LAMBERT was tested in Minnesota as M84-748 for agronomic performance. M84-748 was entered in the Regional Group O Test in 1988 and evaluated from 1988 to 1991. Data from those tests is shown below:

Variety	Seed Yield	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition Protein	Composition Oil	Iron Chlorosis
	bu/a	date	score+	in.	score+	g/100	%	%‡	score+
LAMBERT	39.7	9/17	1.4	29	2.1	16.3	40.9	20.6	3.8
Glenwood	34.5	9/16	1.4	27	2.3	16.9	41.0	20.1	4.0

+score: 1 (very good) to 5 (very poor).
‡dry weight basis.

LAMBERT is classified as Group 0 maturity about 1 day later than Glenwood. It has out yielded Glenwood about 15%. LAMBERT is taller than Glenwood.

LAMBERT has purple flowers, gray pubescence, brown pods at maturity and seeds with shiny luster yellow seed coats with buff hila. It carries the Rps 1 gene for resistance to phytophthora root rot [caused by Phytophthora megasperma (Drechs.) F. sp. glycinea Kuan and Erwin].

Foundation seed of LAMBERT will be produced by the foundation seed organizations in releasing states with seed distribution to seed producers for planting in 1992. The Minnesota Agricultural Experiment Station will maintain breeder seed. Each agency will be responsible for its own publicity after February 14, 1992.

C. Eugene Allen — 2-18-92
Director, Minnesota Agricultural Experiment Station — Date

H P Lund — 2-20-92
Director, North Dakota Agricultural Experiment Station — Date

R. A. Moore — 3/25/92
Director, South Dakota Agricultural Experiment Station — Date

Jan. 1992

LAMBERT SOYBEANS

LAMBERT was developed by the Minnesota Agricultural Experiment Station. It is a F_5 selection from the cross M75-274 x M76-151. Prior to release, LAMBERT was tested as selection M84-748.

LAMBERT is of Group 0 maturity, relative maturity 93. It has purple flowers, gray pubescence, brown pods at maturity and shiny seed coats with buff hila. LAMBERT carries the Phytophthora resistance gene Rps1, which confers resistance to races 1, 2, 10, 11, 13-18, and 24.

Plant Variety Protection under the title V, certification-only option, has been applied for.

Entry	Maturity (Date)	Yield (bu/a)	Lodging[1] (Score)	Height (in)	Protein (%)	Oil (%)
1991 4 Test Mean - North-Central Wisconsin Variety Test						
Lambert	09-Sep	56	1.7	38	35.6	18.2
Dassel	12-Sep	57	1.3	34	35.4	18.1
Ozzie	03-Sep	55	1.1	33	35.5	17.8
1991 4 Test Mean - Central Wisconsin Variety Test						
Lambert	30-Aug	52	3.0	40	35.7	18.1
Dassel	30-Aug	52	2.3	34	35.7	18.0
1988-90 25 Test Mean - Uniform Test 0						
Lambert	20-Sep	38	1.4	29	40.9	20.6
Glenwood (0)	19-Sep	33	1.5	26	41.1	20.2
McCall (00)	05-Sep	27	1.4	24	40.6	19.9
Sibley (I)	25-Sep	37	1.6	31	40.6	20.5
1988-91 Spooner - Uniform Test 0						
Lambert	26-Sep	30	1.0	28	39.2	20.1
Dassel	26-Sep	24	1.0	26	----	----
Ozzie[2]	27-Sep	25	1.0	24	----	----

[1]Score 1 (all plants erect); to 5 (all plants flat).
[2]1988-90 data only.

Prepared by: E.T. Gritton and E.S. Oplinger. Dept. of Agronomy, Univeristy of Wisconsin-Madison