Registration of Parental Lines

REGISTRATION OF B87 PARENTAL LINE OF MAIZE
(Reg. No. PL 59)

W. A. Russell* 

B87 is a yellow dent maize (Zea mays L.) inbred line developed in the research program conducted cooperatively by the Iowa Agric. and Home Economics Exp. Stn. and ARS-USDA. The line was evaluated extensively for hybrid performance and released because of its potential value to the seed industry and for further use in breeding programs. Breeder seed is maintained by the Iowa Agric. and Home Economics Exp. Stn., and the distribution of seed is by the Committee for Agricultural Development, Dep. of Agronomy, Iowa State Univ., Ames, IA 50011.

B87 was selected from BS22, which is a synthetic variety that is similar to A619 × A632 for maturity. The line was developed by selection and self pollination in the ear-to-row system at high plant densities (approximately 59,000 plants/ha) for five generations. The first hybrid evaluation was in a 8 x H99 testcross in a recurrent selection program, and evaluations with H99 were continued in successive selfing generations. Data obtained in 11 experiments conducted from 1976 to 1980 in northern Iowa show that B87 is comparable to A632 for hybrid yield performance and superior for resistance to root and stalk lodging. Silk emergence for the line is 1 day earlier than for A632 (Iowa Exp. Stn. strain). The top ear node is approximately 10 cm lower than that of A632. With artificial infestations, the disease index for stalk blight is 1 day earlier than for A632 (Iowa Exp. Stn. strain). The top ear node is approximately 10 cm lower than that of A632. Silk emergence for the line is 1 day earlier than for A632 (Iowa Exp. Stn. strain). The top ear node is approximately 10 cm lower than that of A632. Silk emergence for the line is 1 day earlier than for A632 (Iowa Exp. Stn. strain).

REGISTRATION OF TWO SUGARBEET PARENTAL LINES
(Reg. No. PL 17 and PL 18)

J. S. McFarlane* 

The parental sugarbeet lines (Beta vulgaris L.) were developed by ARS-USDA in cooperation with the Beet Sugar Development Foundation. Breeder seed will be maintained at U.S. Agricultural Research Station, P.O. Box 93915, Fort Collins, CO 80523.

C566 (Reg. No. PL 17) is a selection from the previously released C563 (Reg. No. PL 10) which is a monogerm, self-fertile S1 inbred with moderate resistance to leaf spot and bolting. These desirable characters were maintained in C566. Stalk blight is a disease of third and fourth internodes caused by Fusarium oxysporum Schlecht f. sp. Schlecht f. sp. Snyder and Hansen and is widespread in the Willamette Valley of Oregon, the major sugarbeet seed producing States. C566 has shown a high potential for resistance to the disease. C566 is the maintainer line of the cytoplasmic male sterile line C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 with C566 CMS (Reg. No. PL 18) was developed by crossing C566 ...