

and Development Ctr., Wooster, Ohio 44691, United States. Received 01/21/1997.

PI 596411. *Avena sativa* L.

Cultivar. Pureline. "CHAIRMAN". CV-345. Pedigree - Larry/Mo. 06235. High grain yield potential and early maturity. Heading date average June 16, height average 82 cm, grain volume weight average 435 kgm-3. Juvenile growth habit erect. Culm diameter medium, curly, leaf margins glabrous. Ligules present. Panicles equilateral with ascending branches. Spikelet separation by fracture, floret separation by disarticulation. Lemmas yellow and glabrous. Basal hairs absent. Seed nonfluorescent under ultraviolet light. Awns infrequent and non-twisted. Kernels bright yellow, size medium, plump, and tips finely tapered.

The following were developed by Dennis Thomas, University of Illinois, Department of Agronomy, 1102 S. Goodwin Avenue, Urbana, Illinois 61801, United States; Andrew Nickell, Asgrow Seed Company, 5926 Highway 14 East, Janesville, Wisconsin 53456, United States; Cecil D. Nickell, University of Illinois, Department of Crop Science, 1102 S. Goodwin Av., Urbana, Illinois 61801, United States; T.R. Cary, University of Illinois, Illinois Agr. Exp. Sta., Dept. of Agronomy, Urbana, Illinois 61801, United States; Paul Stephens, Pioneer Hi-Bred International, 2999 East 350th Road, Suite 102, La Salle, Illinois 61301, United States; M. S. Bachman, University of Illinois, Department of Crop Sciences, 1102 S. Goodwin Ave., Urbana, Illinois 61801, United States. Received 01/21/1997.

PI 596412. *Glycine max* (L.) Merr.

Breeding. Pureline. LN92-12033. GP-182. Pedigree - Century 84 x PI 437833. Group II maturity (relative maturity 2.7), resistant line near-isogenic for brown stem rot resistance gene Rbs2. Carries Rps1-c allele for resistance to *Phytophthora sojae*. Compared to Century 84 had lower yield, higher lodging score, and shorter plants at locations with less than 3% of plants of susceptible lines showing brown stem rot leaf symptoms. As resistant as PI 437833 when compared for brown stem rot leaf symptoms. Flowers purple, pubescence gray, pods brown at maturity, and seeds dull yellow with imperfect black hila.

PI 596413. *Glycine max* (L.) Merr.

Breeding. Pureline. LN92-12054. GP-183. Pedigree - Century 84 x PI 437833. Group II maturity (relative maturity 2.7), susceptible line near-isogenic for brown stem rot resistance gene Rbs2. Carries Rps1-c allele for resistance to *Phytophthora sojae*. Compared to Century 84 had lower yield, higher lodging score, and shorter plants at locations with less than 3% of plants showing brown stem rot leaf symptoms. As susceptible as Century 84 when compared for brown stem rot leaf symptoms. Flowers purple, pubescence gray, pods brown at maturity, and seeds dull yellow with imperfect black hila.

The following were developed by T.E. Carter, USDA, ARS, North Carolina State University, 3127 Ligon Street Box 7631, Raleigh, North Carolina 27695-7631, United States; Joe W. Burton, USDA-ARS, North Carolina State University, Department of Crop Science, Raleigh, North Carolina 27695-7631, United States ; E.B. Huie, USDA, ARS, North Carolina State Univ., Dept. of Crop Science,