REGISTRATION OF BONUS SOYBEAN
(Reg. No. 90)

'BONUS' soybeans (Glycine max [L.] Merr.) is an F₃ plant selection from the cross [CI266R (Sel. from 'Harosoy' × CI1079) × CI253 (Sel. from 'Blackhawk' × Harosoy)]. Hybridization, selection, and preliminary testing were done at the Purdue Agricultural Experiment Station in cooperation with the Plant Science Research Division, Agricultural Research Service, U. S. Department of Agriculture.

Following preliminary testing from 1965-1968, this strain was designated CI474 and evaluated in 49 regional tests in 1969-1970. The tests were conducted by research workers of the U. S. Regional Soybean Laboratory, Plant Science Research Division, Agricultural Research Service, and cooperating agricultural experiment stations in California, Delaware, Illinois, Indiana, Kansas, Kentucky, Maryland, Missouri, Nebraska, New Jersey, Ohio, and Texas. Bonus was released on August 1, 1971.

Bonus is an early Group IV variety maturing 2 days earlier than 'Cutler 71' and 7 days earlier than 'Kent.' Yield of Bonus is similar to 'Cutler' or Cutler 71, and slightly higher than that of Kent. The seed has averaged 2.3 percentage points higher in protein than either Cutler 71 or Kent and is similar in oil percentage. Bonus is approximately 5 cm taller than Cutler 71 and 10 cm taller than Kent. Bonus has purple flowers, gray pubescence, brown pods, and dull yellow seeds with imperfect black hila. One hundred seeds weigh approximately 17.4 g. It is resistant to phytophthora rot and susceptible to frogeye leaf spot race 2:

Bonus is adapted as a full-season variety from approximately 37⁰ to 40⁰ N latitude in the United States. Purdue University Agricultural Experiment Station, Lafayette, Indiana 47907, will maintain breeder seed.

REGISTRATION OF AMSOY 71 SOYBEAN
(Reg. No. 91)

'AMSOY 71' soybeans (Glycine max [L.] Merr.) is the composite of four F₄ lines from the backcross Amsoy³ × CI253 (Blackhawk × Harosoy). Hybridization, selection, and development of Amsoy 71 were done at the Purdue University Agricultural Experiment Station in cooperation with the U. S. Regional Soybean Laboratory. Received 1965, prior to compositing as Amsoy 71, by research workers of the U. S. Regional Soybean Laboratory, Plant Science Research Division, Agricultural Research Service, U. S. Department of Agriculture. Before its release in 1970, Amsoy 71 was designated C1474 and evaluated in 49 regional tests in 1969-1970.

Amsoy 71, like Amsoy, is of group II maturity and adapted to approximately 40⁰ to 43⁰ N latitude in the United States. The Purdue University Agricultural Experiment Station will maintain breeder seed.

REGISTRATION OF COLUMBUS SOYBEAN
(Reg. No. 92)
E. L. Mader and C. D. Nickell

'COLUMBUS' soybeans (Glycine max [L.] Merr.) is an F₅ plant selection at the Kansas Agricultural Experiment Station from a cross made at the Purdue Agricultural Experiment Station, C1069 (Lincoln × Ogden) × CI1079. Columbus was released in 1971.

Columbus is resistant to bacterial pustule and susceptible to purple seed stain. It is susceptible to phytophthora rot and fungicide. Columbus matures 2 days later than 'Clark 68' and 4 days later than 'Kent.' Columbus is of late Group IV maturity and is well adapted to Oklahoma and Kansas. Columbus is resistant to bacteria and is 'Cutler' in growth type, chemical composition. It has purple flowers, gray pubescence, brown pods, and shiny-yellow seeds with small, firm, black hila. One hundred seeds weigh approximately 17.4 g. It is resistant to phytophthora rot and susceptible to frogeye leaf spot race 2:

Columbus is resistant to shattering and susceptible to purple seed stain. It is susceptible to bacterial pustule. Additional information has been published.

The Kansas Agricultural Experiment Station will maintain breeder seed.