

Urbana, Illinois 61801, United States; Greg Noel, USDA-ARS, University of Illinois, Department of Plant Pathology, Urbana, Illinois 61801, United States; T.R. Cary, University of Illinois, Illinois Agr. Exp. Sta., Dept. of Agronomy, Urbana, Illinois 61801, United States. Received 02/15/1996.

PI 593257. *Glycine max* (L.) Merr.

Breeding. LN90-4524. CV-349. Pedigree - F4 selection from LN86-4668 x Asgrow A3733. Group III maturity (relative maturity 3.7) averaging 1 day earlier than Linford and 4 days later than Resnik. Compared with Linford at noninfested SCN locations averaged 6% higher seed yield, and 10 cm shorter plant height. At SCN infested locations, seed yield was 15% higher than Linford and 17% higher than Resnik. When evaluated against SCN in the greenhouse, is susceptible to races 1 & 2, moderately resistant to races 3,4,& 5, and resistant to race 14. Flowers purple, tawny pubescence, brown pods at maturity, and dull yellow seeds with black hila.

The following were developed by Dennis Thomas, University of Illinois, Department of Agronomy, 1102 S. Goodwin Avenue, Urbana, Illinois 61801, United States; C.D. Nickell, University of Illinois, Department of Agronomy, 1102 S. Goodwin Avenue, Urbana, Illinois 61801, United States; T.R. Cary, University of Illinois, Illinois Agr. Exp. Sta., Dept. of Agronomy, Urbana, Illinois 61801, United States; D. Heavner, University of Illinois, Dept. of Crop Sciences, 1102 S. Goodwin, Urbana, Illinois 61801, United States. Received 02/15/1996.

PI 593258. *Glycine max* (L.) Merr.

Cultivar. "Macon"; LN89-295. CV-350; PVP 9600135. Pedigree - F4 selection from Sherman x Resnik. Indeterminate Group III maturity (relative maturity 3.9) 5 days later than Resnik. Compared with Resnik averaged 10% higher seed yield, 25 mg seed-1 larger seeds, 6 g/kg-1 lower seed protein, 4 g/kg-1 lower seed oil, and 5cm plant height. Susceptible to phytophthora rot (races 1,4 and 7), brown stem rot, and moderately resistant to sudden death syndrome. Flowers white, tawny pubescence, brown pods at maturity, and dull yellow seeds with black hila.

The following were developed by Dennis Thomas, University of Illinois, Department of Agronomy, 1102 S. Goodwin Avenue, Urbana, Illinois 61801, United States; C.D. Nickell, University of Illinois, Department of Agronomy, 1102 S. Goodwin Avenue, Urbana, Illinois 61801, United States; T.R. Cary, University of Illinois, Illinois Agr. Exp. Sta., Dept. of Agronomy, Urbana, Illinois 61801, United States; D.J. Johnson, University of Illinois, Dept. of Crop Sciences, 1102 S. Goodwin, Urbana, Illinois 61801, United States; D. Gay, University of Illinois, Dept. of Crop Sciences, 1102 S. Goodwin, Urbana, Illinois 61801, United States. Received 02/15/1996.

PI 593259. *Glycine max* (L.) Merr.

Cultivar. "Iroquois"; LN88-10534. CV-351; PVP 9600137. Pedigree - F4 selection from LN81-1029 x Asgrow A2943. Indeterminate Group III maturity (relative maturity 3.0) similar to Resnik. Compared with Resnik averaged 3% higher seed yield, and 7.5 cm taller plant height. Similar to Resnik in lodging, seed weight, seed quality score, and seed protein