

PI 543855-continued

origin: United States. **origin institute:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50011. **cultivar:** NEWTON. **pedigree:** BSR 101/CN210, F3. **other id:** CV-282. **group:** CSR-SOYBEAN. **remarks:** Maturity Group II. Flowers purple. Pubescence gray. Pods brown at maturity. Seed coat shiny yellow with imperfect black hila. Resistant to soybean cyst nematode (SCN) (*Heterodera glycines* race 3). Moderately resistant to iron-deficiency chlorosis. Yields 2837 kg ha⁻¹ under SCN-free conditions and 2082 kg ha⁻¹ in presence of SCN. Seed weight 159 mg seed⁻¹. Seed protein 369g kg⁻¹. Seed. Annual. Cultivar. Seed.

PI 543856. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Cooper, R.L., Agricultural Research Service -- USDA, Ohio State University, Dept. of Agronomy, Wooster, Ohio, United States; and Ohio Agr. Res. and Dev. Center. **remarks:** Pixie Soybean. Received September 18, 1990.

origin: United States. **developer country:** United States. **origin institute:** Agricultural Research Service -- USDA, Wooster, Ohio 44691. **cultivar:** Pixie. **pedigree:** Williams x Ransom. **other id:** CV-280. **group:** CSR-SOYBEAN. **other id:** PVP 8100162. **source:** Certificate in Force. **group:** PVPO. **other id:** L74D-609. **source:** Prior designation. **remarks:** Maturity Group IV. Determinate, semidwarf type. Short stature. Highly resistant to lodging. Yield potential high. Specific adaptation to high yield environments (>3500 kg ha⁻¹) where lodging frequently limits yields of tall cultivars. Should be solid-seeded in 17cm row width at 750,000 seeds ha⁻¹ for maximum yield. Annual. Cultivar. Seed.

PI 543857. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Cooper, R.L., Agricultural Research Service -- USDA, Ohio State University, Dept. of Agronomy, Wooster, Ohio, United States; and Ohio Agr. Res. and Dev. Center. **remarks:** Gnome 85 Soybean. Received September 18, 1990.