

PI 542047-continued

**origin:** United States. **origin institute:** Minnesota Agr. Exp. Sta., University of Minnesota, Dept. of Agronomy, St. Paul, Minnesota 55108. **cultivar:** EXCEL. **pedigree:** Cree/Bonanza//Manker/3/2\*Robust. **other id:** CV-223. **source:** Crop Sci. 31(1):227 1991. **group:** CSR-BARLEY. **other id:** PVP 9000208. **source:** Pending. **group:** PVPO. **remarks:** Six-rowed, smooth-awned spring type. Kernels covered, medium sized with long hairs on rachilla. Aleurone white. Spike medium-lax, medium-long, and semi-erect. Similar to Robust in maturity and lodging reaction, but lower in plump kernel percentage. Possesses desirable agronomic attributes of Robust and malting and brewing attributes of Morex, the six-rowed quality standard. Spring Annual. Cultivar. Seed.

PI 542048. *Sesamum indicum* L. PEDALIACEAE Sesame

**Donated by:** Brigham, R.D., Texas Agr. Exp. Sta., Texas A & M University, Route 3, Box 219, Lubbock, Texas, United States. Received May 31, 1990.

**origin:** United States. **cultivar:** dt45. **pedigree:** Developed from Israeli #45 by irradiating seeds with cobalt. **other id:** 1985 LB8 Field 301 increase. **remarks:** Determinate growth habit. Maturity medium. Plants 66-72cm in height, profusely branched with strong, green stalks. Branches terminate in clusters of 3-7 capsules. Capsules dehiscent, 4-loculed, medium length. Seeds dark brown to yellow, often viviparous if moisture is present at maturity. Seed weight 4.2-4.4 g/1000 seeds (large). Oil content 48.8% or greater on weight basis. Protein ranges from 21.5 to. Spring Annual. Breeding Material. Seed.

PI 542049. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Calif. Planting Cotton Seed Distributors, California, United States. Received June 08, 1990.

**origin:** United States. **cultivar:** CPCSD ACALA C-4226. **other id:** PVP 9000173. **source:** Pending. **group:** PVPO. Cultivated. Seed.

PI 542050. *Cucurbita pepo* L. CUCURBITACEAE Pumpkin

**Donated by:** Peto Seed Company, Inc., United States. Received June 08, 1990.