

PI 509070. *Lolium perenne* L. POACEAE Perennial ryegrass

Donated by: Russell, R.A., J. and L. Adikes Inc., 182-12 93rd Avenue, Jamaica, New York, United States. Received May 15, 1987.

donor id: IA-728. **origin:** United States. **cultivar:** All*Star. **pedigree:** Synthetic from progenies of 14 clones. **other id:** CV-108. **group:** CSR-OTHER GRASSES. **remarks:** Plants leafy, persistent type, medium fine textured. Flowering medium - early. Seedling vigor excellent. Adapted to wide range of soils. Performs well in full sun and under light to moderate shade. Excellent wear and summer performance. **cold tolerance:** Good winterhardiness. Cultivar. Seed.

PI 509071. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: ICRISAT, Patancheru P.O., Andhra Pradesh, India. Received May 15, 1987.

donor id: PM 11344. **origin:** India. **cultivar:** ICSV 197. **pedigree:** IS 3443/DJ G514. **other id:** CV-125. **group:** CSR-SORGHUM. **other id:** ICRISAT Reg. no. 659. **other id:** Selection 1-1. **remarks:** Plants tan, medium thick. Stalk nonjuicy. Leaves drooping with short erect flag leaf. Panicle, semi-compact at base, loose and broad at apex, distinctly clustered. Maturity medium,. Photoperiod sensitive. Race caudatum. Subrace Zerazera. **insect resistance:** Sorghum midge. **disease resistance:** Less susceptible to anthracnose, rust, downy mildew. Zonate leaf spot than checks. Cultivar. Seed.

PI 509072 to 509073. *Brassica napus* L. var. *napus* BRASSICACEAE Rape

Donated by: Auld, D.L., Department of Plant, Soil and Entomology, University of Idaho, Moscow, Idaho, United States. Received May 15, 1987.

PI 509072 **origin:** United States. **cultivar:** Cascade. **pedigree:** F6 gen. from crosses between Indore (Industrial oilseed type) and edible oil types Sipal, WW827 and Liraglu. **other id:** CV-5. **group:** CSR-RAPE. **other id:** PVPN Cert. No. 8500172. **remarks:** Edible oil type. Growth habit determinate. Plants 10-20cm shorter and earlier maturing than most cultivars. Vernalization of 6 weeks required for flowering. Seedoil content 42%, erucic acid less than 2%. Winter Annual. Cultivar. Seed.