

PI 574531. *Elymus dahuricus* Turcz. ex Griseb. POACEAE Dahurian wild ryegrass

Donated by: Kielly, G.A., Agriculture Canada, Box 1030, Swift Current, Saskatchewan S9H 3X2, Canada. Received November 16, 1993.

origin: Canada. **cultivar:** ARTHUR. **pedigree:** Developed using pure line breeding technique from Chinese plant introduction. **other id:** W6 13861. **group:** W6. **remarks:** Hexaploid (2n=42) short-lived perennial caespitose grass. Leaves wide (11-15mm), lax with long (130-235mm) leaf sheaths and internodes (130-235mm). Seed spikes (130-150mm) borne on culms 100-150cm long. Two to four spikelets per nodes but 3 most common. Each spikelet may contain 3-5 florets. Heads erect, green. Excellent establishment vigor, high establishment year dry matter yield and high seed yield. Perennial. Cultivar. Seed.

PI 574532. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Nickell, C.D., Illinois Agr. Exp. Sta., University of Illinois, Urbana, Illinois 61801, United States; and Agricultural Research Service -- USDA. **remarks:** LN89-5699 Soybean Germplasm. Received November 16, 1993.

origin: United States. **developed:** C.D. Nickell, G.R. Noel, R.L. Bernard, D.J. Thomas, K. Frey. **origin institute:** Illinois Agr. Exp. Sta., University of Illinois, 1102 S. Goodwin, Urbana, Illinois 61801 United States. **cultivar:** LN89-5699. **pedigree:** F3 plant sel. from Williams 82 (Williams X PI 209332). **other id:** GP-161. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Maturity Group III (relative maturity 3.2) averaging 1 d later than Resnik. When compared with Resnik in soybean cyst nematode (SCN) (*Heterodera glycines*) infested soil, had 39% higher seed yield. In the SCN greenhouse evaluation, was moderately susceptible to Races 1 and 5, moderately resistant to Races 2 and 4, and resistant to Races 3 and 14. Flowers white. Pubescence tawny. Pods tan at maturity. Seeds yellow with black hila. Spring Annual. Breeding Material. Seed.

PI 574533. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Nickell, C.D., Illinois Agr. Exp. Sta., University of Illinois, Urbana, Illinois 61801, United States; and Agricultural Research Service -- USDA. **remarks:** LL89-605 Soybean Germplasm. Received November 16, 1993.