

PI 546054-continued

origin: Canada. **origin institute:** Plant Res. Ctr. -- Agriculture Canada, Ottawa, Ontario K1A OC6. **cultivar:** OT89-16. **pedigree:** Merit/PI 153293/2/PI 189950)/3/3*Maple Arrow. **other id:** GP-125. **group:** CSR-SOYBEAN. **remarks:** Maturity early. Protein content high. Oil content low. Indeterminate growth habit. Pubescence brown. Pods brown. Flowers purple. Distinct dark green foliage throughout most of growing season. Seeds oval, yellow with brown hila and dull seed coat. Seed weight average 15.6g/100. Moderately tolerant to phytophthora root rot caused by Phytophthora megasperma. Breeding Material. Seed.

PI 546055. *Humulus lupulus* L. CANNABACEAE Hop

Donated by: Kenny, S.T., Washington Agr. Exp. Sta., Washington State University, Prosser, Washington, United States; and Agricultural Research Service -- USDA. **remarks:** Centennial Hop. Received November 30, 1990.

origin: United States. **origin institute:** Washington Agr. Exp. Sta., Washington State University, Prosser, Washington 99350. **cultivar:** CENTENNIAL. **pedigree:** OR6619-04/USDA63015M. **other id:** CV-17. **group:** CSR-HOP. **remarks:** Maturity early to mid-season. Spring regrowth excellent. Vigor good. Moderately resistant to hop downy mildew caused by *Pseudoperonospora humuli*. Hop cones have citrus-floral aroma. Brewing evaluations favorable. Cultivar. Plant.

PI 546056 to 546057. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Souza, E., Idaho Agr. Exp. Sta., University of Idaho, Aberdeen, Idaho, United States. **remarks:** Joint release with Agricultural Research Service -- USDA. Received November 26, 1990.

PI 546056 **origin:** United States. **cultivar:** VANDAL. **pedigree:** CM16716-M-3M-2Y-3M-OY/A72483S-3-2. **other id:** PVP 9100144. **source:** Pending. **group:** PVPO. **remarks:** Semi-dwarf developed for high yield environments in the Pacific Northwest of U.S. Long season, spring variety. Leaf color intermediate green. Flag leaves broad, semi-erect. Inflorescence awned, mid-dense, with short, wide, glumes, glabrous having oblique shoulders and acuminate beaks. Chaff color white to yellow-white at maturity. Resistance to stripe rust races prevalent in the Pacific. Spring Annual. Cultivar. Seed.