

PI 546349. *Avena sativa* L. POACEAE Common oat

Donated by: Bacon, R.K., Arkansas Agr. Exp. Sta., University of Arkansas, Fayetteville, Arkansas, United States. **remarks:** Ozark Oat. Received January 02, 1991.

origin: United States. **origin institute:** Arkansas Agr. Exp. Sta., University of Arkansas, Fayetteville, Arkansas 72701. **cultivar:** OZARK. **pedigree:** Florida 501/PI 296254. (PI 296254 is *Avena sterilis* collected in Israel in 1964). **other id:** CI 9421. **other id:** AR 102-5. **other id:** CV-333. **source:** Crop Sci. 31(5):1383 1991. **group:** CSR-OAT. **remarks:** Excellent winterhardiness. Test weight heavy, averaging 467kg. m-3. Leaves wide, blue-green. Plant height ca. 8cm taller and maturity 3 days later than cultivar Bob. Panicles equilateral, spreading. Lemmas tan, short with few to several long basal hairs. Awns few or absent. Kernels plump, predominately fluorescent, up to 2% may be of non-fluorescent variants. Occasional tall or late plants may. Winter Annual. Cultivar. Seed.

PI 546350. *Sorghum bicolor* (L.) Moench POACEAE Milo sorghum

Donated by: Duncan, R.R., Georgia Agr. Exp. Sta., University of Georgia, Griffin, Georgia, United States; and Colorado Agr. Exp. Sta.; and Arizona Agr. Exp. Sta.. **remarks:** GAC102 Acid Soil Tolerant Tissue Culture Regenerant. Received January 02, 1991.

origin: United States. **origin institute:** Georgia Agr. Exp. Sta., University of Georgia, Griffin, Georgia 30223. **cultivar:** GAC102. **pedigree:** Mutation from Hegari (S.P.I. 22326). **other id:** GP-358. **source:** Crop Sci. 31(5):1396 1991. **group:** CSR-SORGHUM. **remarks:** Tissue culture (mature embryo) regenerated somaclonal variant from Hegari. Tolerant to acid soil stress (50% aluminum saturation, pH 4.4, less than 5% organic matter). Yields high under limited moisture (drought stress) conditions on alkaline soils. Phenotypically similar to nonregenerated Hegari except panicle semi-open. Spring Annual. Breeding Material. Seed.

PI 546351 to 546361. *Helianthus annuus* L. ASTERACEAE Sunflower

Donated by: Dedio, W., Morden Res. Sta. -- Agriculture Canada, Morden, Manitoba, Canada. **remarks:** Eleven Sunflower Parental Lines. Received January 02, 1991.