

PI 556970. *Hordeum vulgare* L. POACEAE Barley

Donated by: Reid, D.A., Agricultural Research Service -- USDA, Small Grains Collection, Beltsville, Maryland, United States; and Arizona Agr. Exp. Sta.. Received October 17, 1991.

origin: United States. **historical origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Small Grains Collection, Beltsville, Maryland 20705. **cultivar:** CC XXXIV. **pedigree:** Composite cross of diverse gene pool made up of segregates from all known available lines tolerant to aluminum and/or acid soils. **other id:** GP-33. **source:** Crop Sci. 20(3):416-417 1980. **group:** CSR-BARLEY. **remarks:** Population will segregate for the following traits: male sterility and male fertility; 2- and 6-rowed spikes; hulled and naked caryopses; awned, awnleted and hooded lemmas; white and blue aleurone; rough and smooth awns; black and white lemmas and paleas; winter, facultative and spring growth habit; and a wide range of maturity dates and spike densities. Seed may be planted in fall or spring, depending. Breeding Material. Seed.

PI 556971 to 556972. *Hordeum vulgare* L. POACEAE Barley

Donated by: Baenziger, P.S., Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland, United States. Received October 17, 1991.

PI 556971 **origin:** United States. **historical origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland 20705. **cultivar:** CC XXXVII-A. **pedigree:** Composite cross between 19 male lines of *H. spontaneum* having excellent disease resistance to leaf rust, powdery mildew, scald, and female lines that were genetic male sterile stocks 124 and 128. **other id:** GP-55. **source:** Crop Sci. 21(2):351-352 1981. **group:** CSR-BARLEY. **remarks:** Composite cross populations will segregate for wide range of characters. Broad spectrum of disease resistance genes. Breeding Material. Seed.