

STORAGE APPLICATION

(UNTREATED SEED REQUIRED!!)

☐ Sent for Crop
RegistrationUNITED STATE DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
NORTHERN PLAINS AREA
NATIONAL SEED STORAGE LABORATORY
FORT COLLINS, CO 80523Cultivar ☐Germplasm ☒Genetic Stock ☐Parental Inbred ☐

The policy of the National Plant Germplasm System (NPGS) is that all material deposited in the NPGS will be freely distributed to scientists for research purposes. For material registered in Crop Science, the donor is expected to maintain and distribute seed for a minimum of 5 years following registration.

Name of Donor Contact Person Thomas S Cox ⁸⁵³⁹⁴ Telephone No. (913) 532-7260Institution or Company USDA-ARSAddress Dept of Agronomy / Throckmorton Hall / Manhattan KSGenus Triticum Species aestivum Common Name wheat ⁶⁶⁵⁰⁶

Amount Requested: 7,500 seeds for each Population/Synthetic (Cultivar & Germplasm); 5,000 seeds for each pure line (Cultivar, Parental Inbred, Germplasm, and many Genetic Stock); or 50 to 500 seeds for each special genetic stock.
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Name and/or Number KS94WGR32 Other Identifiers _____PVP applied for or granted? Yes _____ No ☒ Number _____Plant Patent applied for or granted? Yes _____ No ☒ Number _____

Reproductive System:

Approximate percent self fertilization under normal field conditions: 99%Pure line ☒; Population/Synthetic _____; or Parental Inbred _____Percent Germination determined by Donor 100% Date of Test Oct '94

If genetic stocks, will they require special handling? Yes _____ No _____ If yes,

identify contact person who will supply new seed source _____

and address _____

Material already assigned a PI No.? Yes ~~YES~~ No ~~NO~~ NO

If yes, give PI No. _____

PI 586957Seed already provided to active collection? Yes ☒ No ~~YES~~ If yes,

give date _____ location _____ amount of seed _____

Year seed harvested _____

Rec'd 4829 162g
Kept 2500
Sent 2329Signature Thomas S Cox Date Mar. 8, 1995

CONTINUED ON NEXT SIDE

Revised 2/19/92

100 sd wt. 33.43

TO BE COMPLETED BY NSSL:

Date Received

3-14-95

Serial No.

300776.01

DESCRIPTIVE INFORMATION - In order for each entry to be properly identified, donors are asked to prepare an abstract and pedigree of each entry. Key features in the abstract might include agronomically important traits such as maturity, plant height (metric terms or dwarf, semi-dwarf, etc), seed characteristics (size, oil content, milling quality, type, etc.), nutritive value, tolerance to diseases, insects, nematodes, cold, lodging, and others. Give the scientific names of pest organisms. Avoid comparisons with other cultivars or lines unless these are part of the parentage or the comparisons are important for rating disease and insect resistance levels. All accessions deposited at the NSSL will be recorded in the Germplasm Resources Information Network (GRIN) database of the National Plant Germplasm System.

Abstract: [The abstract can be no more than 600 characters in length (10-60 character lines).]

Seedlings of KS94WGRC32 are resistant to culture PRTUS25 and other isolates of *Puccinia recondita* Rob. ex Desm. Adult plants were resistant under moderate to severe leaf rust epidemics at Manhattan and Hutchinson, Kansas in 1992, 1993, and 1994. The leaf rust-resistant donor parent, TA 359, is an accession of *T. boeoticum* Bioss., a wild, diploid wheat species. The infection type of KS94WGRC32 was mesothetic (23X) under heavy field infection in 1992-93, low (01C) under moderate field infection in 1994, and consistently low (01C) under seedling inoculation with PRTUS25. Resistance is governed by a single, dominant gene that segregates independently of genes transferred previously.

Pedigree: (The pedigree should not exceed 240 characters.)

TAM 107 *2 / KS 8010 -1-4-1 / TA 359

GROWTH HABIT -

Annual (Spring _____ Winter ☒ Facultative _____)

Biennial _____ Perennial _____ Woody _____ or Tree _____

FORM RECEIVED - Seed ☒ Plants _____ or Cuttings _____