

☒ Sent for Crop
Registration

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Northern Plains Area
National Seed Storage Laboratory
Fort Collins, CO 80523

Cultivar ☐
Germplasm ☒
Genetic Stock ☐
Parental Lines ☐

STORAGE APPLICATION

The policy of the National Plant Germplasm System (NPGS) is that all material deposited in the NPGS will be freely distributed to bonafide scientists for research purposes.

Name of Donor Contact Person Stan Cox Telephone No. (913) 532-7260

Institution or Company USDA/ARS - Kansas State University

Address Agronomy Dept./Throckmorton Hall, KSU, Manhattan, KS 66506

Genus Triticum Species Aestivum Common Name Wheat

Amount Requested: 7,500 seeds for Populations/Synthetics (Cultivar & Germplasm);
5,000 seeds for purelines (Cultivar, Parental Lines, Germplasm, & Genetic Stocks*).
UNTREATED SEED REQUIRED!! *50-100 Seeds for special cytogenetic stocks

Name and/or Number KS89WGRC10 Other Identifiers _____

PVP/Patent Applied for or Granted? Yes _____ No x

Reproductive System:

Approximate percent self fertilization under normal field conditions: 99
Pureline x; Population/Synthetic _____; or Parental
Inbred _____

Percent Germination determined by Donor 95% Date of Test Aug 90

If genetic stocks, will they require special handling? Yes _____ No x If yes,
identify contact person who will supply new seed source _____
and address _____

Material already assigned a PI No.? Yes _____ No x
If yes, give PI No. _____

Seed already provided to working collection?
Yes _____ No x If yes, give date _____
location _____ and amount of
seed _____

Year Seed harvested 1990

CONTINUED ON REVERSE SIDE

TO BE COMPLETED BY NSSL:

Date Received

4/15/91

Serial #

256688

51

PI 549278

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. 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 420 characters in length (7-60 character lines).)

KS90WGRC10 contains a dominant gene on chromosome 1D conditioning a high level of resistance to leaf rust in both seedlings and adult plants. It is derived from a cross between 'TAM 107' and *Aegilops squarrosa* accession TA 2460, with two backcrosses to TAM 107. KS90WGRC10 is a hard red winter wheat germplasm very similar in phenotype to TAM 107.

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

TAM 107*3/TA 2460 . TA 2460 = *Aegilops squarrosa* (Kyoto University no. KU 2084)

GROWTH HABIT -

Annual (Spring _____ Winter X Facultative _____)

Biennial _____ Perennial _____ Woody _____ or Tree _____

FORM RECEIVED - Seed X Plants _____ or Cuttings _____