

☒ 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 T.S. COX Telephone No. (913) 532-7260

Institution or Company USDA-ARS - AGRONOMY DEPT.

Address THROCKMORTON HALL - KANSAS STATE UNIV.

Genus Triticum Species aestivum Common Name wheat ^{Manhattan, KS} 66506

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 KS91WGRC11 Other Identifiers None

PVP/Patent Applied for or Granted? Yes ☐ No ☒

Reproductive System:

Approximate percent self fertilization under normal field conditions: 99%

Pureline ☒; Population/Synthetic ☐; or Parental
Inbred ☐

Percent Germination determined by Donor — Date of Test —

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 ☐ No ☒

If yes, give PI No. —

Seed already provided to working collection?

Yes ☐ No ☒ If yes, give date —

location — and amount of
seed —

Year Seed harvested 1992

Rec'd 5178
Kept 2500
Sent 2678

123g

TO BE COMPLETED BY NSSL:

Date Received

2-16-93

Serial #

275854.01

CONTINUED ON REVERSE SIDE

NSGC

223
cont

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).)

KS92WGRC11 is a hard red winter wheat (*Triticum aestivum*) germplasm resistant to leaf rust caused by *Puccinia recondita*. One parent, TA2450, is an accession of *Triticum tauschii*. KS92WGRC11 is a BC₂F₂-derived line homozygous for the leaf rust-resistance gene Lr42 from TA2450. Lr42 is an chromosome 1D, linked to the Lr21 locus, with a recombination value of 28 ± 2 units.

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

Century *3/TA2450

GROWTH HABIT -

Annual (Spring ☐ Winter ☒ Facultative ☐)

Biennial ☐ Perennial ☒ Woody ☐ or Tree ☐

FORM RECEIVED - Seed ☒ Plants ☐ or Cuttings ☐