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IDAHO AGRICULTURAL EXPERIMENT STATION  
UNIVERSITY OF IDAHO  
Moscow, Idaho

and

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
Washington, D.C.

RELEASE OF 'BLIZZARD' (PI ) HARD RED WINTER WHEAT

ID0297 was developed by the Idaho Agricultural Experiment Station and USDA-ARS. It was selected from the cross of A68203W-E-1-3-3/A68203W-A-1-6-1 which was made in 1974. A68203W was derived from a cross of Turkey/Burt/5/Norin 10/Brevor//Wichita/3/Delmar/4/C114107. The F<sub>3</sub> head row, which was grown in 1976-77 Aberdeen Smut Nursery, was bulked for testing in the 1977-78 Preliminary Yield Nursery as A74125W-16-3-1. Subsequent selection of surviving plants from Tetonia was made in 1982 when 60 to 100 percent of the plants of selections grown in the yield nursery were killed by snow mold. Following that, it was listed as A74125W-16-3-1-T. Blizzard was tested in the Idaho Yield Nurseries for the crop years 1977-1987 and in the Western Regional Nursery as ID0297 in 1985-87.

Blizzard is a tall, awned variety which has stiff straw and erect to inclined heads. The glume color of Blizzard at maturity is tannish white to white. The height of Blizzard is intermediate between Weston and Manning. The kernel color of Blizzard ranges from light to dark brown, depending upon the environment. The initial foundation, registered and certified seed of Blizzard may have up to five white kernels per pound of wheat. Immediate release is necessary to reduce losses from snow mold in the Intermountain Area. Subsequent foundation seed will meet state specifications. Blizzard has averaged two and four days later in heading than Manning and Weston, respectively. Blizzard has been moderately susceptible to stripe rust and very resistant to dwarf bunt during four years of testing in disease nurseries at Aberdeen and Logan, respectively. It has had outstanding tolerance to snow mold caused by Typhula species. The 3-year average survival of Blizzard, Manning, and Weston at Tetonia and Preston during years when snow mold was severe was 39, 21, and 18 percent, respectively. The six station year average yields of Blizzard, Manning, and Weston grown on dryland nurseries where snow mold was not a prob-

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lem were 42.1, 43.6, and 42.1 bu/A, respectively. Test weights of the varieties in the same trials were 61.3, 61.3, and 62.6, respectively. The milling and baking quality of Blizzard has been satisfactory.

Breeder and foundation seed of Blizzard will be maintained by the University of Idaho Aberdeen Research and Extension Center, Aberdeen, Idaho. Seed may be requested by writing Larry Sandvol, Acting Superintendent, University of Idaho, Aberdeen Research and Extension Center, P.O. Box AA, Aberdeen, Idaho 83210. Foundation and registered seed will be available from Idaho Crop Improvement Associations. The U.S. Department of Agriculture will have no seed for distribution. The proposed release date for publicity shall be on the date of final signature of the release notice.

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Administrator  
U.S. Dept. of Agric. - Agric. Research Service  
Washington, D.C.

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Date

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Director  
Idaho Agricultural Experiment Station  
Moscow, Idaho 83843

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Date

R160cRRL/Blizzard