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PEAK 72

Hard Red Spring Wheat For Irrigated Areas of Idaho

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Peak 72 (C.I. 15319)² is a hard red spring wheat adapted to irrigated, high production areas of southern Idaho. It averages 2 inches taller than Peak and has good stiff straw. It is very resistant to the prevalent races of stripe and leaf rust found in Idaho.

Yield and Test Weight

In three years of tests on irrigated land at Aberdeen and Twin Falls, Peak 72 outyielded Peak by as much as 24 bushels per acre. The average yield advantage was 8.3 bushels (Table I). Peak 72 had a test weight of 63.1 pounds per bushel compared with 61.5 pounds per bushel for Peak. On dryland, Bannock has produced higher yields than Peak 72.

Quality

The milling and baking properties of Peak 72 are satisfactory. Quality characteristics of Peak 72 are similar to those of Peak, but it has a slightly longer dough mixing time.

Developmental History

Peak evolved from a cross of Tezanos Pintos Precos/Sonora 64. Peak 72 is from a single plant selection out of Peak made at Aberdeen, Idaho, in 1967. It has been in Idaho yield trials since 1968 and in the Western Regional Spring Wheat Nursery since 1971.

Sources of Seed

Foundation seed of Peak 72 was released to registered seed growers in 1972. Certified seed should be available in quantity following the 1973 harvest.

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Table I. Summary of agronomic and disease data for Peak 72 and Peak grown under irrigation for 3 years at Twin Falls and Aberdeen.

	Date headed	Height (inches)	Rust reaction		Test weight (lb./bu.)	Yield (bu./acre)
			Stripe	Leaf		
Peak 72	June 22	37	VR	VR	63.1	89.5
Peak	June 22	35	VR	VR	61.5	81.2

VR = Very resistant

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Plant Science Research Division, Agricultural Research Service, U. S. Department of Agriculture, and the University of Idaho Agricultural Experiment Station.

²C.I. refers to the accession number assigned by the Plant Science Research Division, ARS-USDA.

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