



UNIVERSITY OF IDAHO  
College of Agriculture



# IDAED-59

A Rust Resistant

Spring Wheat

For

Idaho

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By

W. K. Pope

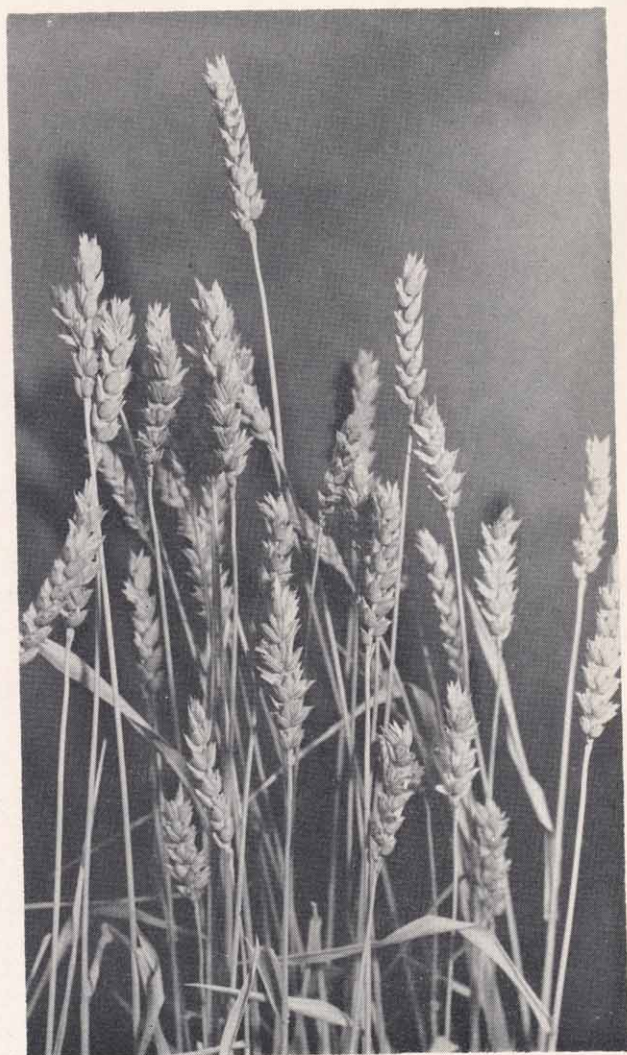
Harland Stevens

Howard Roylance

IDAHO Agricultural  
Extension Service

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## A Rust Resistant Spring Wheat For Idaho

By

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Agricultural Research Service, USDA  
Howard Roylance, Extension Agronomist  
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Idaed-59 is an early maturing, beardless, common white wheat with short, stiff straw. It was released because it is superior to Idaed in resistance to stem rust and mildew. Idaed-59 has been approved for growing in Idaho, Oregon, and Washington.

### RUST RESISTANCE

Idaed-59 carries a high level of resistance to stem rust. This new variety has moderate resistance to stripe rust, identical with that in the Idaed parent.

### MILLING AND BAKING QUALITY

Idaed-59 is equal to or better than Idaed in all milling and baking characteristics. In commercial usage the varieties cannot be distinguished.

### YIELDING ABILITY

The yielding ability of Idaed-59 is equal to or a little better than Idaed. In 1960 in 21 trials the average yields were equal. In 1961 in 17 trials Idaed-59 yielded 10% better than Idaed. In 1962, in 15 trials, Idaed-59 yielded 4% more than Idaed.

### DEVELOPMENT OF IDAED-59

Idaed-59 is the end product of a series of 5 crosses to Idaed starting with a rust resistant derivative of *Triticum timopheevi* known as C. I.

12633, developed by R. G. Shands at the University of Wisconsin. Idaed-59 is thus C. I. 12633 x Idaed<sup>5</sup>.

This series of crosses was started in 1947, and the last cross was made in 1958. Selection was always for rust resistance and the Idaed plant type. The crosses were made at Moscow, Idaho. The testing for stem rust was done at Aberdeen, Idaho.

## RECOMMENDED AREAS

Idaed-59 is recommended for all areas where Idaed is known to do well. This includes northern Idaho, the Boise Valley, and the upper Snake River area.

IDAED-59, a rust resistant spring wheat was developed for areas now growing Idaed. It is highly resistant to stem rust and moderately resistant to stripe rust.

## OTHER IDAHO BULLETINS ABOUT CEREALS

Wheat, Oats and Barley for Irrigated Areas—  
Ext. Bull. 385

Winter Wheat Production—Ext. Bull. 314

Tendoy—A New Hard Red Winter Wheat—Ext.  
Bull. 333

Itana and Colombia—New Hard Red Winter  
Wheats for Idaho—Ext. Bull. 297

Stem Rust, Leaf Rust and Stripe Rust on Wheat  
—Ext. Bull. 370

Park Oats for Idaho—Exp. Bull. 290

Overland Oats for Idaho—Exp. Bull. 126

Idaho Recommends Crop Varieties—Ext. Bull.  
209

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