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**A SOFT WHITE  
SPRING WHEAT  
RESISTANT TO STRIPE RUST,  
STEM RUST, MILDEW**

MAY 2 '67

# FEDERATION -67

**RECOMMENDED FOR  
IRRIGATED AREAS  
IN SOUTHWESTERN IDAHO**



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**UNIVERSITY OF IDAHO**  
*College of Agriculture*

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**IDAHO Agricultural  
Experiment Station**

**Bulletin 482  
February 1967**

# Federation-67

Federation-67 was released in Idaho in 1967 as a soft white spring, Federation-type wheat with strengthened disease resistance.

## Disease resistance

Federation-67 has moderate resistance to both stem rust and stripe rust and is resistant to some races of common smut. It also has a good resistance to mildew—one of the weaknesses of Federation.

## Milling and baking quality

Federation-67 is much like Federation in milling and baking quality, producing flour of a good quality for cookies and cakes.

## Yield

Extensively tested since 1963, Federation-67 has been equal to or better than Federation in yield each year. In locations where stripe rust reduced the yield of Federation, Federation-67 maintained normal yields. In 1966, when southeastern Idaho had severe mildew but no rust, Federation-67 had a 6 percent yield advantage over Federation and Lemhi 66.

## Identification

Federation-67 is not distinguishable from Federation except by its resistance to disease. Certified seed is the only sure method of identification.

## **Development**

Federation-67 came from the backcross Premier x Federation<sup>2</sup> x Federation 41M<sup>3</sup>. The original cross was made in 1946 by H. Schultz. The backcross was continued by W. K. Pope between 1948 and 1955. Selection for stem rust was made at the Aberdeen Branch Experiment Station, selection for stripe rust at Moscow. The final variety was entered in the western regional testing program in 1963.

## **Recommended areas**

Federation-67 is recommended as a replacement for Federation in irrigated areas of southwestern Idaho where Federation is grown.

## **The authors**

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