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# Raeder Wheat

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Raeder, CI 17418, is a semidwarf winter wheat released for production in Idaho because of its tolerance to wet soil conditions. It has a bearded, common-type head with brown chaff and soft white kernels. Raeder is similar to Nugaines in winterhardiness and emergence. It is superior to Nugaines in maintaining stands in wet soil. The test weight of Raeder is generally one pound less than that of Nugaines. Under wet soil conditions in northern Idaho, Raeder has exceeded the per acre grain production of Nugaines.

## Disease Resistance

Raeder is resistant to flag smut, common bunt and some races of dwarf bunt. It also has adult resistance to the local races of stripe rust. Raeder is susceptible to leaf rust, snow mold and *Cercospora* foot rot.

## Milling and Baking Quality

The milling quality of Raeder equals that of Nugaines. Raeder produces a pastry-type flour that has excellent quality for pastries, cookies and other soft white wheat products. The flour is not suitable for making bread.

## Recommended Areas

Raeder is recommended for seeding in the wetter locations of Idaho where maintaining a stand of Nugaines is a problem. It is also recommended in the areas where dwarf bunt is present.

As shown in Table 1, Raeder has generally exceeded the grain yields of Nugaines in northern Idaho.

Table 1. Grain yields of 4 winter wheats in northern Idaho in 1975.

Varieties	Yield (bu/acre) by location			
	Lewiston	Reubens	Melrose	Cavendish
Nugaines	73	43	56	47
Hyslop	79	53	60	57
McDermid	66	45	46	34
Peck	68	63	77	49
Raeder	62	64	59	82

## Development

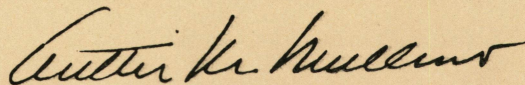
Raeder was developed by C. J. Peterson Jr. and O. A. Vogel of the Wheat Breeding and Production Unit, Agricultural Research Service (ARS), U. S. Department of Agriculture, in cooperation with Washington State University. The variety (CI 17418, WA 5988, VH 67469) was selected from the cross Gaines//PI 178383/CI 13431 made in 1962. Primary field tests were made by ARS and the WSU Cooperative Extension Service with supplemental tests conducted by the Idaho, Oregon and Washington experiment stations. The Western Wheat Quality Laboratory at Pullman, WA., carried out quality trials.

Raeder was named in honor of the late J. M. (Bill) Raeder, Professor of Plant Pathology, University of Idaho.

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Auttis M. Mullins  
Dean, College of Agriculture  
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