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Caribou Barley

An early maturing,
two-rowed, spring feed barley
for dryland

JUN 17 1971

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Caribou Barley

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Caribou is a two-rowed spring feed barley that has good straw strength and early maturity. It has white kernels and semi-smooth to smooth awns. Caribou is well adapted to southern Idaho dryland, with a record of good yield, straw strength, test weight, and kernel weight in dryland trials. The variety performed well under irrigation at two southeastern Idaho locations in 1970, but additional testing is required before a recommendation can be made for irrigated acreages.

Certified seed of Caribou will be available in 1972. Breeder and Foundation seed will be maintained by the Teton Branch Agricultural Experiment Station.

Yield and Test Weight

Caribou yields averaged 1.7 percent higher than Piroline and 6.3 percent higher than Otis in dryland testing at Teton, Soda Springs, and Rockland.

Test weight results have varied. At Teton, Caribou averaged about the same as Otis but higher than Piroline and Betzes. At Soda Springs, Caribou test weight averaged about the same as Otis but less than Piroline and Betzes.

Maturity and Straw Strength

Caribou heads about 5 days earlier than Piroline at Teton and Aberdeen. It is about the same or 1 to 2 days earlier than Otis at Teton. Caribou is shorter than Piroline and about equal to Otis in height. And it is about equal to Piroline in straw strength.

Kernel Weight

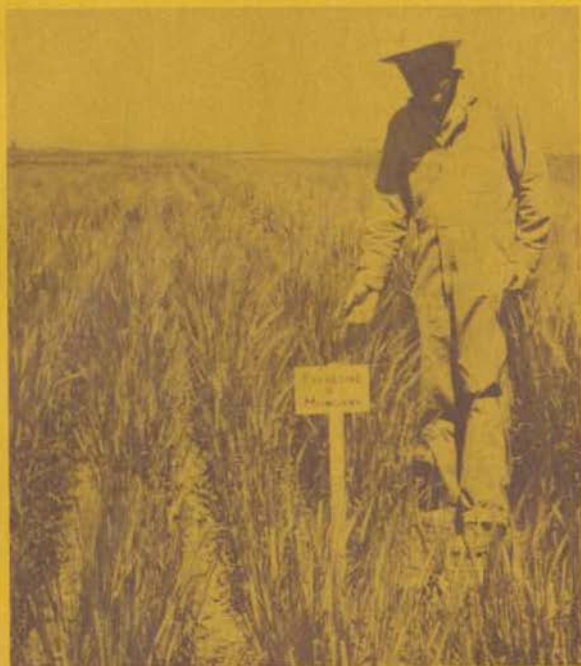
Caribou kernels averaged heavier than other varieties at Teton. At Soda Springs, kernel weight of the new variety averaged the same as Piroline and lower than Otis.

History

Caribou was developed from a cross of Piroline and Munsing made at the Aberdeen Branch Agricultural Experiment Station by R. M. Hayes in 1960. Subsequent selections from the cross were made at the Aberdeen and Teton Stations.

Table 1. Characteristics of Caribou compared with other barleys in dryland trials, 1966-1970.

| Location | Variety | Yield (bu/acre) | Test weight (lb./bu) | Heading date | Height (in.) | Kernel weight (g/1000) |
|--------------------------|----------|--------------------|----------------------------|-----------------|-----------------|------------------------------|
| Teton (1966-1970) | Caribou | 50.0 | 51.3 | 7- 5 | 26 | 45.2 |
| | Piroline | 50.0 | 50.7 | 7-10 | 27 | 40.4 |
| | Otis | 47.6 | 51.6 | 7- 7 | 25 | 44.5 |
| | Betzes | 49.9 | 49.3 | 7-12 | 29 | 36.7 |
| | Unitan | 48.0 | 47.8 | 7- 6 | 30 | 40.7 |
| Soda Springs (1966-1970) | Caribou | 48.1 | 46.6 | — | — | 38.9 |
| | Piroline | 47.1 | 48.4 | — | — | 38.9 |
| | Otis | 44.5 | 45.1 | — | — | 39.4 |
| | Betzes | 49.0 | 49.4 | — | — | 36.1 |
| | Unitan | 44.1 | 43.1 | — | — | 40.1 |
| Rockland (1969) | Caribou | 29.1 | 51.0 | — | 19 | 38.7 |
| | Piroline | 27.1 | 52.4 | — | 23 | 34.5 |
| | Otis | 26.5 | 51.3 | — | 19 | 37.4 |
| | Betzes | 23.6 | 49.1 | — | 23 | 29.6 |
| | Unitan | 25.5 | 48.1 | — | 22 | 38.1 |



H. C. McKay inspects an experimental plot of Caribou barley at the Tetonia Branch Agricultural Experiment Station.

About This Work

Caribou was developed cooperatively by the University of Idaho Agricultural Experiment Station and the Plant Science Research Division, Agricultural Research Service, U.S. Department of Agriculture. D. M. Wesenberg is research agronomist and R. M. Hayes is agricultural research technician, both with the Plant Science Research Division and headquartered at the Aberdeen Branch Agricultural Experiment Station. H. C. McKay is research professor of agronomy and superintendent of the University of Idaho Tetonia Branch Experiment Station.