

STEVELAND

A New Feed Barley

- *Early Maturing*
- *Short Straw*
- *Easy Threshing*



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Steveland

A New Feed Barley

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Steveland is a six-rowed, blue-kerneled, feed barley with rough awns. Its outstanding attributes are high yield, short straw, and early maturity. It is well adapted for irrigated production. Steveland is not recommended for non-irrigated lands where rainfall is limited, because under these conditions the test weight is low.

Yield and Test Weight

At Aberdeen, under irrigation, Steveland has consistently out-yielded Trebi, Bonneville and Gem, from six to eight bushels per acre. It was higher in test weight than Gem or Bonneville but slightly lower than Trebi.

Maturity and Straw

Steveland heads about the same as Gem. It is about five days earlier than Trebi and 12 days earlier than Bonneville. It averages four inches shorter than Gem and six to seven inches shorter than Trebi and Bonneville. It is not as stiff-

Variety	Heading Date	IRRIGATED
		Height Inches
Steveland	6-10	3
Trebi	6-15	3
Gem	6-9	3
Bonneville	6-22	3

Variety	Tetonia	DRYLAND
		Test Weight Soda Springs (bushels per ac)
Steveland	42.7	44.7
Gem	45.6	44.3
Piroline	52.8	49.8
Soda Springs Smyra	50.4	48.1
Munsing	51.7	50.2

strawed as Bonneville or Vale. However, because of its short straw, it does stand up well under irrigation. In threshability, it is superior to Bonneville and equal to Trebi and Gem.

Disease Resistance

Steveland is resistant to local races of stem and leaf rust. Although it is not completely resistant to loose smut, it has shown more resistance than Gem and other popular varieties.

Seed Stocks

Steveland was accepted for certification by the Idaho Crop Improvement Association in 1968. A limited amount of certified seed was produced in 1968. Breeder and Foundation seed of Steveland will be maintained by the Tetonia Branch Experiment Station, Tetonia, Idaho.

Development of Steveland

Steveland (C.I. 13100), originated as a selection from a cross of Trebi X Lubin made by Harland Stevens in 1941. Stevens was a United States Department of Agriculture cereal breeder working in cooperation with the University of Idaho and assigned to the Aberdeen Branch Station from 1931 until his retirement in 1965.

MURSERIES

Lodging Percent	Average Yield	
	Aberdeen (bushels per acre)	Twin Falls
8	126	95
46	120	93
17	118	92
6	119	91

MURSERIES

Average	Tetonia	Yield	Average
		Soda Springs (bushels per acre)	
43.7	32.4	57.8	45.1
44.9	41.6	53.4	47.5
51.3	42.8	60.2	51.5
49.2	35.2	55.5	45.3
50.9	41.1	60.4	50.7



COVER PICTURE

A field of foundation Steveland barley grown at the Aberdeen Experiment Station. Short straw is typical.

THE AUTHORS

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