

# HiFi Oat

## Yield (Bu/A) of HiFi and selected oat varieties in five locations in North Dakota, 1999 - 2001

Variety	Fargo	Langdon	Dickinson	Williston	Minot
HiFi	147	129	127	124	128
AC Assiniboia	134	120	125	115	128
Ebeltoft	130	114	143	135	129
Jerry	131	87	114	117	131
Killdeer	139	109	131	137	140

HiFi was released by the North Dakota Agricultural Experiment Station in 2001. HiFi was selected from a cross between ND90141 and ND900118.

HiFi is a spring oat variety that is high yielding, disease resistant and possesses the unique grain quality of having high Beta-glucan concentration (about 30% greater than most released varieties) that may attract a premium oat market. In statewide variety trials, HiFi yielded well relative to other entries especially in the eastern half of the state. The test weight and groat percentage of HiFi are above average. The whole oat protein concentration is relatively high. HiFi is medium to late in maturity and has good lodging resistance relative to its height. HiFi has improved resistance to crown rust compared to Ebeltoft and Killdeer.

The name HiFi is intended to denote the high soluble fiber content of grain it produces. Plant Variety Protection with the Title V provision will be applied for.

### Agronomic Characteristics of HiFi

Variety	Test Wt (lbs/bu)	Groat %	Maturity	Height (in)	Crown Rust Resistance	Groat Protein (%)	Lodging Resistance
HiFi	36.6	73	Med	42	R	18.7	Good
AC Assiniboia	36.2	76	Late	42	R	19.1	Good
Ebeltoft	35.3	73	Late	39	MR	-	Fair
Jerry	37.1	73	Early	43	MS	18.6	Good
Killdeer	35.5	73	Med	37	MR-MS	-	Very good