



ND Genesis

Barley

NDSU NORTH DAKOTA STATE UNIVERSITY



Characteristics

Yield	high
Straw Strength	medium-strong
Maturity	medium-late
Height	medium

Strengths

- High yield
- Disease resistance
- Low protein

Comments

ND Genesis two-rowed barley was released in 2015. It has high yield and low protein. ND Genesis has better resistance to the net and spot forms of net blotch than Pinnacle. It has medium-strong straw strength and medium-late maturity. This variety has large, plump kernels, and good malt extract values. ND Genesis accumulates less DON and has lower beta-glucan values than Pinnacle. ND Genesis also has some drought tolerance.

Agronomic Performance of ND Genesis and other varieties grown in Mississippi Valley Barley Nursery yield trial locations in Manitoba, MN, MT, ND, Saskatchewan, and WI, 2009-2013.

	two-row		six-row
	ND Genesis	Pinnacle	Tradition
Yield (bu/acre)	91.0	91.7	89.9
Test Weight (lbs/bu)	50.6	51.6	51.1
Plump (%)	97.3	97.6	95.4
Lodging (1-9) ¹	4.0	3.4	2.8

¹Lodging Score: 1 = No Lodging; 9 = Severe Lodging.

Mean yield (bu/acre) of ND Genesis and other varieties grown in ND Research Extension Center yield trials, averaged across eastern and western locations, 2010-2014.

Variety	Eastern locations ²	Western locations ³	Overall
ND Genesis	116.9	87.6	97.7
Conlon	105.8	75.3	85.8
Pinnacle	120.3	78.3	92.8
Rawson	113.4	77.9	90.1
Stellar-ND	117.5	80.7	93.4
Tradition	114.3	82.4	93.4

²Eastern locations: Carrington and Langdon.

³Western locations: Dickinson, Hettinger, Minot, and Williston.