



ND CARSON OAT



Characteristics

Yield	Very High
Height	Conventional
Test Weight	High

ND CARSON

A spring oat with good yield potential, good test weight, and good lodging resistance. ND CARSON exhibits crown rust resistance similar to “Leggett”. The crown rust resistance of ND CARSON was derived from the diploid *Avena strigosa* by Rines. Rines derived the crown rust resistance used in ND CARSON from *A. strigosa* independently of the derivation (Pc 94) for Leggett, but the resistance in ND141338 is inhibited by Pc38 as it is in Leggett. ND CARSON does not likely have crown rust resistance that exceeds Leggett. Milling characteristics of ND CARSON are considered good, but it produces slightly more thin kernels than ND Spilde. ND141138 produced consistently high grain yield and test weight in ND Oat Variety Trials.

STRENGTHS

- Crown Rust Resistant
- Resistant to Lodging



Oat Variety Trial Carrington

VARIETY	DAYS TO HEADING	PLANT HEIGHT (IN.)	LODGING (0-9)	PROTEIN (%)	TEST WEIGHT (LB/BU)	YIELD (BU/A)	PREVIOUS YEAR (BU/A)	3 YEAR AVG (BU/A)
AAC Douglas	43.7	40.8	1.2	12.7	35.2	168.7	88.6	–
Beach	43.7	31.2	2	15	34.7	91.9	39.4	87.9
CS Camden	44	35.2	1.4	13.5	36.6	149.9	72.9	115.7
Deon	46.3	37.3	2	14	35.8	134.1	70.1	110.4
Endure	45.7	37.8	1.8	13.3	35.2	152.3	–	–
Hifi	45.3	32	1.1	14	31.1	87.7	48.6	86.6
Jury	45.7	34.1	3.5	13.5	31.9	103.2	77.3	105
Killdeer	44	31	1	14.3	30.4	105.5	54.1	89
Mean	46.4	36	1.7	14.1	34	105.3	62.8	–
CV (%)	1.9	8.9	20.5	3.6	5.1	6.2	15.5	–

Oat Variety Trial Carrington

VARIETY	DAYS TO HEADING	PLANT HEIGHT (IN.)	LODGING (0-9)	PROTEIN (%)	TEST WEIGHT (LB/BU)	YIELD (BU/A)	PREVIOUS YEAR (BU/A)	3 YEAR AVG (BU/A)
Leggett	44.3	30.7	1.3	14.3	33.5	112.6	61.7	95.3
MN Pearl	45	35.3	1.9	13.1	34.6	128.4	81.7	–
ND Carson	45.3	32.4	2	13	33.2	138.8	61.5	108.1
ND Crema (hull-less)	49.7	39.6	1.8	20	45	79.8	38.3	62.4
ND Heart	45.3	32.2	1	14.5	30.6	86.9	51.1	89.6
ND Spilde	45.3	35.3	2.1	14	30.2	106.5	73.3	102.7
Newburg	46	32.8	1.5	13.2	31.3	120.3	70.9	108.2
Otana	46.3	37.1	2.4	14.5	35.2	91.7	65.3	103.1
Paul (hull-less)	47	40.7	2.7	17.6	40.5	90	38.1	65.1
Rockford	46.3	38.8	1.1	14.2	35.6	115.9	53.3	96.6
SD Buffalo	44.3	37.7	1.2	13.7	34.3	121.8	73	–
AAC Nevel	46.7	32.5	1	13.2	31.6	118.9	–	–
OT7104	48	31.9	1.3	13.6	32.7	118.2	–	–
OT6037	52.3	35.3	2	13.7	26.4	105.8	–	–
Mean	46.4	36	1.7	14.1	34	105.3	62.8	–
CV (%)	1.9	8.9	20.5	3.6	5.1	6.2	15.5	–