

## NCR-167 Uniform 400-600 Maturity Trials

New testcrosses were made in the 2001 nursery in Madison, WI for testing in 2002. The crosses are provided below.

<b>INBRED</b>	<b>TESTER</b>
BS21(R) C6-008	LH185
BS21(R) C7-228-1-1-2	LH185
BS22(R) C5-293-2	LH185
BS22(R) C6-154	LH185
BS34(R) C3-117-1-2	LH185
SD00:2122W	LH185
SD00:2132W	LH185
SD00:2150W	LH185
SD00:2163W	LH185
SD00:2175W	LH185
SD00:2185W	LH185
SD00:2199W	LH185
BS21(R) C5-067	LH198
BS21(R) C7-228-1-1-2	LH198
BS22(R) C5-293-2	LH198
BS22(R) C6-154	LH198
BS34(R) C3-117-1-2	LH198
SD00:2122W	LH198
SD00:2132W	LH198
SD00:2150W	LH198
SD00:2163W	LH198
SD00:2185W	LH198
SD00:2199W	LH198
LH185XLH198	CHECK

J. G. Coors, E. A. Lee, J. E. Ayers, Z. W. Wicks III (Chair)

## NCR-167 Uniform 400-600 Maturity Trials

New testcrosses will be made in the 2002 nursery in Madison, WI for testing in 2003.  
The inbred lines to be crossed to LH185 and/or LH198 are provided below.

### **INBRED**

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NE041591  
NE040851  
NE141491  
CGR2429  
CGR2441  
CGR2443  
BS21(R)C6-039-1-1-1-1-1  
BS21(R)C6-082-1-2-1-1  
BS21(R)C6-140-1-1-1-1-1  
BS22(R)C6-002-1-1-1-1  
BS22(R)C6-239-1-1-2-1-1  
BS22(R)C6-154-1-1-1-1

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J. G. Coors, E. A. Lee, J. E. Ayers, Z. W. Wicks III (Chair)

**2001 NCR-167 400-600 TEST GROWN AT KANAWHA, IA -- ENTRY MEANS**

<b>ENTRY</b>	<b>PEDIGREE</b>	<b>YIELD Mg/ha</b>	<b>STAND</b>	<b>MOIST</b>	<b>RTL DG</b>	<b>SKLDG</b>	<b>DEARS</b>
1	BS21(R)C6)-8-1-1-1-1/LH185	6.64	66.9	21.7	17.0	2.7	0.0
2	BS21(R)C6)-59-1-2-1-2/LH185	3.36	65.7	26.0	57.5	1.9	0.0
3	ND96-6/LH185	3.81	66.9	24.1	56.3	0.9	0.0
4	ND96-33/LH185	4.83	63.3	24.1	84.6	1.9	0.0
5	ND98-95/LH185	5.95	65.7	21.3	55.5	3.6	0.0
6	BS21(R)C6)-8-1-1-1-1/LH198	7.5	66.9	22.8	5.4	0.9	0.0
7	BS21(R)C6)-59-1-2-1-2/LH198	7.63	66.9	24.1	46.4	1.8	0.0
8	BS22(R)C6)-240-2-1-1/LH198	7.23	66.3	26.2	64.2	0.0	0.0
9	ND96-6/LH198	6.86	66.9	22.3	53.6	1.8	0.0
10	ND96-33/LH198	6.11	66.9	22.9	67.9	0.0	0.9
11	ND98-95/LH198	5.18	66.9	19.3	70.5	0.0	0.0
12	W53090-1-1-6-1-1/LH198	6.06	66.9	24.2	92.0	8.9	1.8
13	LH198/LH185	8.81	66.3	25.6	63.0	0.0	0.0
14	DK537	9.16	66.9	21.0	37.5	2.7	0.0
15	DKC57-38	9.45	62.7	23.9	27.6	0.9	0.0
997	EXP MIN	3.36	62.7	19.3	5.4	0.0	0.0
998	EXP MAX	9.45	66.9	26.2	92.0	8.9	1.8
999	EXP MEAN	6.57	66.1	23.3	53.3	1.9	0.2

**2001 NCR-167 400-600 TEST GROWN AT NASHUA, IA -- ENTRY MEANS**

<b>ENTRY</b>	<b>PEDIGREE</b>	<b>YIELD Mg/ha</b>	<b>STAND</b>	<b>MOIST</b>	<b>RTL DG</b>	<b>SKLDG</b>	<b>DEARS</b>
1	BS21(R)C6)-8-1-1-1-1/LH185	8.86	66.9	23.1	1.8	0.0	0.0
2	BS21(R)C6)-59-1-2-1-2/LH185	7.69	66.9	24.3	14.3	3.6	0.0
3	ND96-6/LH185	6.45	66.9	21.2	4.5	9.8	3.6
4	ND96-33/LH185	7.04	66.9	21.8	14.3	5.4	0.9
5	ND98-95/LH185	6.38	66.3	20.7	11.7	6.3	0.0
6	BS21(R)C6)-8-1-1-1-1/LH198	7.66	66.9	21.6	1.8	2.7	0.0
7	BS21(R)C6)-59-1-2-1-2/LH198	7.99	66.9	22.4	18.8	7.1	0.9
8	BS22(R)C6)-240-2-1-1/LH198	10.04	66.9	23.9	4.5	2.7	0.0
9	ND96-6/LH198	7.85	66.9	20.8	9.8	8.0	1.8
10	ND96-33/LH198	7.02	66.9	20.1	22.3	10.7	0.0
11	ND98-95/LH198	6.64	66.9	18.2	18.8	8.9	2.7
12	W53090-1-1-6-1-1/LH198	7.66	66.9	22.3	35.7	6.3	0.0
13	LH198/LH185	9.14	66.9	23.5	32.1	4.5	0.0
14	DK537	9.67	66.9	20.9	0.9	1.8	0.0
15	DKC57-38	10.63	66.9	21.1	0.9	0.9	0.0
997	EXP MIN	6.38	66.3	18.2	0.9	0.0	0.0
998	EXP MAX	10.63	66.9	24.3	35.7	10.7	3.6
999	EXP MEAN	8.05	66.9	21.7	12.8	5.2	0.7

**2001 NCR-167 400-600 TEST COMBINED ANALYSIS ACROSS KANAWHA & NASHUA, IA -- ENTRY MEANS**

ENTRY	PEDIGREE	YIELD					
		Mg/ha	STAND	MOIST	RTL DG	SKLDG	DEARS
1	BS21(R)C6)-8-1-1-1-1/LH185	7.63	66.9	22.4	9.4	1.3	0.0
2	BS21(R)C6)-59-1-2-1-2/LH185	5.53	66.3	25.1	35.9	2.7	0.0
3	ND96-6/LH185	5.01	66.9	22.6	30.4	5.4	1.8
4	ND96-33/LH185	6.19	65.1	22.9	49.5	3.6	0.4
5	ND98-95/LH185	6.74	66.0	21.0	33.6	5.0	0.0
6	BS21(R)C6)-8-1-1-1-1/LH198	7.47	66.9	22.2	3.6	1.8	0.0
7	BS21(R)C6)-59-1-2-1-2/LH198	7.7	66.9	23.2	32.6	4.5	0.4
8	BS22(R)C6)-240-2-1-1/LH198	8.58	66.6	25.0	34.3	1.3	0.0
9	ND96-6/LH198	7.24	66.9	21.6	31.7	4.9	0.9
10	ND96-33/LH198	6.45	66.9	21.5	45.1	5.4	0.4
11	ND98-95/LH198	5.8	66.9	18.7	44.6	4.5	1.3
12	W53090-1-1-6-1-1/LH198	6.74	66.9	23.2	63.8	7.6	0.9
13	LH198/LH185	8.92	66.6	24.5	47.6	2.2	0.0
14	DK537	9.3	66.9	20.9	19.2	2.2	0.0
15	DKC57-38	10.35	64.8	22.5	14.2	0.9	0.0
997	EXP MIN	5.01	64.8	18.7	3.6	0.9	0.0
998	EXP MAX	10.35	66.9	25.1	63.8	7.6	1.8
999	EXP MEAN	7.31	66.5	22.5	33.0	3.6	0.4

**2001 EXPT NCR 400-600, University of Wisconsin**

<b>Entry</b>	<b>Line</b>	<b>Stand</b>	<b>% Moist</b>	<b>Yield Bu/ac</b>	<b>Yield Mg/ha</b>
1	BS21(R)C6-8-1-1-1-1 X LH185	72.3	27.3	167.6	10.51
2	BS21(R)C6-59-1-2-1-2 X LH185	66.9	26.3	104.2	6.53
4	ND96-33 X LH185	75.0	25.3	105.1	6.59
6	BS21(R)C6-8-1-1-1-1 X LH198	73.3	25.0	146.5	9.19
7	BS21(R)C6-59-1-2-1-2 X LH198	76.7	25.5	166.4	10.43
8	BS22(R)C6-240-2-1-1 X LH198	77.3	26.5	178.8	11.21
9	ND96-6 X LH198	75.3	23.6	122.2	7.66
10	ND96-33 X LH198	79.3	24.3	149.0	9.34
11	ND98-95 X LH198	75.0	23.0	136.7	8.57
12	P33A14	71.7	26.8	229.6	14.40
13	LH198 x LH185	75.3	24.6	214.0	13.42
	Mean	74.4	25.3	156.4	9.8
	CV	3.5	1.5	6.3	6.3
	LSD	4.5	0.7	16.8	1.1

**2001 NCR 400-600 Yield Trial, Brookings, South Dakota**

<b>Entry</b>	<b>Line</b>	<b>% Stand</b>	<b>Pop</b>	<b>% Moist</b>	<b>Yield Bu/ac</b>	<b>Yield Mg/ha</b>
4	ND96-33 X LH185	100	27198	18.6	106.5	6.68
5	ND98-95 X LH185	100	27198	17.8	105.6	6.62
3	ND96-6 X LH185	100	27198	18.6	122.1	7.66
10	ND96-33 X LH198	100	27198	25.8	77.7	4.87
9	ND96-6 X LH198	100	27198	20.0	112.8	7.07
11	ND98-95 X LH198	100	27198	18.4	121.7	7.63
12	W53090-1-1-6-1-1 X LH198	100	27198	26.1	125.8	7.89
7	BS21(R)C6-59-1-2-1-2 X LH198	100	27198	25.5	76.7	4.81
8	BS22(R)C6-240-2-1-1 X LH198	100	27198	31.3	138.6	8.69
13	Check = LH198 x LH185	100	27198	23.0	145.0	9.09
	Mean			22.5	113.3	7.1
	CV			4.2	5.7	
	LSD			2.1	14.6	