

2009 SCN UNIFORM I ROUNDUP READY

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	Traits
1 SD1161RR/SCN	WGy	na	2		RR
2 SD1111RR	PGy	na	3		RR
3 AG2002	PTbl	na	2		RR
4 U03-820038	PTbl	na	3	F5	RR,Rps, BSR
5 U06-812247R	WGbf	na	1		RR,SCL,SCN,RK,dt
6 SD03-3879R	PGibl	SD1091RR x Dwight	3	F5	RR
7 SD04R-3380	PGibl	TurnerRR x SD99-027R	2	F4	RR
8 SD06R-1699	PGibl	A01-410009 x SDX00R-039-47	1	F5	RR
9 SD06R-2827	PGbf	A-01-410006 x SD00-1333R	1	F5	RR

Entry	IL SCN screening				Purdue SCN screening		MN IDC	SIU SDS
	HG 0		HG 2.5.7		HG 0	HG 2.5.7	Wilkin Co.	Havana
	FI	rating	FI	rating	rating	rating	score	DX
1 SD1161RR/SCN	5	HR	74	NR	MS	MR	2.5	7
2 SD1111RR	109	NR	94	NR	MS	S	2.5	2
3 AG2002	6	HR	81	NR	S	MS	2.0	2
4 U03-820038	71	NR	75	NR	MS	S	1.5	24
5 U06-812247R	18	R	74	NR	S	S	2.5	1
6 SD03-3879R	7	HR	75	NR	S	S	2.0	8
7 SD04R-3380	88	NR	70	NR	MR	S	2.0	16
8 SD06R-1699	74	NR	76	NR	S	S	2.0	2
9 SD06R-2827	68	NR	80	NR	S	S	2.5	11

6 Venus RR (res)  
 14 Myc 5171 RR (sus)  
 8 Mean  
 8 LSD (P<0.05)

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## 2009 Summary

Entry	Yield				Maturity date	Lodging score	Height in.	Seed			
	Infested		Non-infested					quality score	weight g/100	protein %	oil %
Locations	bu/a	rank	bu/a	rank							
1 SD1161RR/SCN	47.7	5	69.1	5	928	1.3	31	2.4	17.4	34.5	17.7
2 SD1111RR	37.3	9	57.3	8	-7	1.4	31	1.6	14.9	33.9	18.5
3 AG2002	56.6	1	79.5	1	3	1.2	32	1.6	14.6	34.6	18.4
4 U03-820038	48.1	4	73.3	3	0	1.1	28	1.7	15.6	34.2	18.2
5 U06-812247R	52.6	2	75.1	2	3	1.1	33	1.4	15.4	33.3	17.8
6 SD03-3879R	49.7	3	67.2	7	-2	1.3	33	1.9	19.6	34.1	17.4
7 SD04R-3380	45.7	6	67.7	6	1	1.3	33	2.1	14.7	34.1	17.5
8 SD06R-1699	41.6	7	70.1	4	-3	1.4	28	1.9	14.0	33.3	18.5
9 SD06R-2827	39.4	8	54.7	9	-4	1.2	29	2.1	16.3	34.3	18.1

## 2 year summary

Entry	Yield				Maturity date	Lodging score	Height in.	Seed			
	Infested		Non-infested					quality score	weight g/100	protein %	oil %
Locations	bu/a	rank	bu/a	rank							
1 SD1161RR/SCN	46.7	3	69.1	5	925	1.2	28.9	2.5	15.9	34.9	18.1
2 SD1111RR	36.4	9	57.3	8	-6	1.3	29.2	1.8	13.6	34.1	18.7
3 AG2002	52.4	1	79.5	1	3	1.1	30.8	1.7	13.6	34.4	18.3
4 U03-820038	44.5	4	73.3	3	1	1.1	26.1	1.7	14.5	34.4	18.1
5 U06-812247R	51.2	2	75.1	2	3	1.2	32.3	1.5	14.5	33.7	18.0
6 SD03-3879R	44.0	5	67.2	7	-2	1.2	30.6	1.9	18.1	34.7	17.5
7 SD04R-3380	43.2	6	67.7	6	1	1.3	31.4	2.0	13.3	34.3	17.9
8 SD06R-1699	38.1	8	70.1	4	-4	1.2	26.0	1.9	13.0	33.5	18.6
9 SD06R-2827	38.2	7	54.7	9	-4	1.1	28.1	2.1	14.8	34.8	18.3

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## Yield (bu/a)

	Dekalb	Urbana2	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Hurly	Beresford
	IL	IL	MN	MN	MN	NE	NE	NE	SD	SD
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	I	0	7	NI
Strain										
<b>1 SD1161RR/SCN</b>	47.7	53.3	44.1	29.7	41.5	64.6	54.1	57.3	37.2	69.1
<b>2 SD1111RR</b>	46.1	40.4	43.6	22.4	30.6	39.0	40.1	41.3	32.3	57.3
<b>3 AG2002</b>	53.9	57.4	56.4	41.4	71.5	62.2	60.3	70.0	36.5	79.5
<b>4 U03-820038</b>	43.8	58.3	50.3	32.0	47.5	60.8	52.4	50.5	37.7	73.3
<b>5 U06-812247R</b>	51.7	61.2	51.9	29.2	51.0	62.6	60.0	64.5	41.7	75.1
<b>6 SD03-3879R</b>	50.5	51.2	43.9	41.1	48.1	58.3	49.7	60.2	44.0	67.2
<b>7 SD04R-3380</b>	52.6	54.1	40.0	26.9	45.2	59.3	43.8	55.2	34.1	67.7
<b>8 SD06R-1699</b>	40.6	48.1	42.8	24.9	48.7	51.4	39.3	46.1	32.7	70.1
<b>9 SD06R-2827</b>	45.3	45.4	41.0	25.6	31.7	44.0	36.9	53.2	31.3	54.7
Average	48.0	52.1	46.0	30.4	46.2	55.8	48.5	55.4	36.4	68.2
LSD(.05)	12.7	9.6	7.2	5.5	10.2	10.6	11.8	6.1	8.9	6.5
C.V. %	11.4	7.9	9.4	10.2	13.2	7.5	9.6	4.3	14.1	5.5
Replications	2	2	3	3	3	2	2	2	3	3
Row spacing (in.)	30	30	10	10	10	30	30	30	30	30

## Yield (rank)

	Dekalb	Urbana2	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Hurly	Beresford
	IL	IL	MN	MN	MN	NE	NE	NE	SD	SD
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	I	0	I	NI
Strain										
<b>1 SD1161RR/SCN</b>	5	5	4	4	7	1	3	4	4	5
<b>2 SD1111RR</b>	6	9	6	9	9	9	7	9	8	8
<b>3 AG2002</b>	1	3	1	1	1	3	1	1	5	1
<b>4 U03-820038</b>	8	2	3	3	5	4	4	7	3	3
<b>5 U06-812247R</b>	3	1	2	5	2	2	2	2	2	2
<b>6 SD03-3879R</b>	4	6	5	2	4	6	5	3	1	7
<b>7 SD04R-3380</b>	2	4	9	6	6	5	6	5	6	6
<b>8 SD06R-1699</b>	9	7	7	8	3	7	8	8	7	4
<b>9 SD06R-2827</b>	7	8	8	7	8	8	9	6	9	9

## Maturity

	Dekalb	Urbana2	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Hurly	Beresford
	IL	IL	MN	MN	MN	NE	NE	NE	SD	SD
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	I	0	I	NI
Strain										
<b>1 SD1161RR/SCN</b>	10/4	9/10	9/21	9/28	9/23	9/19		9/24	10/5	10/2
<b>2 SD1111RR</b>	-8	-9	-1	-7	-7	-5		-6	-12	-10
<b>3 AG2002</b>	4	0	3	3	4	2		3	6	2
<b>4 U03-820038</b>	1	-1	-2	2	-1	0		0	2	0
<b>5 U06-812247R</b>	4	1	5	3	3	4		5	1	5
<b>6 SD03-3879R</b>	-5	-4	1	-5	-2	-1		-2	0	0
<b>7 SD04R-3380</b>	3	0	2	3	0	2		0	-2	0
<b>8 SD06R-1699</b>	-6	-6	-1	-7	-3	-2		-5	-3	3
<b>9 SD06R-2827</b>	0	-4	-2	-4	-7	-2		-3	-10	0
Planted	6/7	5/21	5/13	5/7	5/11	5/29	6/1	5/29	6/3	5/26

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Lodging (score)

	Dekalb	Urbana2	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Hurly	Beresford
	IL	IL	MN	MN	MN	NE	NE	NE	SD	SD
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	I	0	I	NI
Strain										
<b>1 SD1161RR/SCN</b>	1.0	1.0	1.0	1.0	1.3				1.0	3.0
<b>2 SD1111RR</b>	1.0	1.5	1.0	1.0	2.0				1.0	2.0
<b>3 AG2002</b>	1.0	1.5	1.0	1.0	1.0				1.0	2.0
<b>4 U03-820038</b>	1.0	1.5	1.0	1.0	1.0				1.0	1.0
<b>5 U06-812247R</b>	1.0	2.0	1.0	1.0	1.0				1.0	1.0
<b>6 SD03-3879R</b>	1.0	2.0	1.0	1.0	1.0				1.0	2.0
<b>7 SD04R-3380</b>	1.0	2.0	1.0	1.0	1.0				1.0	2.0
<b>8 SD06R-1699</b>	1.0	1.5	1.0	1.0	2.0				1.0	2.0
<b>9 SD06R-2827</b>	1.0	1.5	1.0	1.0	1.7				1.0	1.0

Height (inches)

	Dekalb	Urbana2	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Hurly	Beresford
	IL	IL	MN	MN	MN	NE	NE	NE	SD	SD
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	I	0	I	NI
Strain										
<b>1 SD1161RR/SCN</b>	29	32	27	24	29	39			31	35
<b>2 SD1111RR</b>	34	32	30	24	31	32			28	36
<b>3 AG2002</b>	33	33	29	27	36	31			26	39
<b>4 U03-820038</b>	26	29	25	22	28	28			26	38
<b>5 U06-812247R</b>	34	33	35	26	36	34			31	38
<b>6 SD03-3879R</b>	35	34	29	28	34	35			37	33
<b>7 SD04R-3380</b>	37	37	32	26	37	36			24	34
<b>8 SD06R-1699</b>	29	31	22	23	32	25			22	39
<b>9 SD06R-2827</b>	33	30	26	23	29	30			24	38

Seed Quality (score)

	Dekalb	Urbana2	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Hurly	Beresford
	IL	IL	MN	MN	MN	NE	NE	NE	SD	SD
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	I	0	I	NI
Strain										
<b>1 SD1161RR/SCN</b>	3.0	2.0	2.5	3.0	2.0				2.0	2.0
<b>2 SD1111RR</b>	1.0	1.0	1.5	2.0	1.5				2.0	2.0
<b>3 AG2002</b>	1.0	1.0	1.5	1.5	1.5				3.0	2.0
<b>4 U03-820038</b>	1.0	1.0	2.5	2.0	1.5				2.0	2.0
<b>5 U06-812247R</b>	1.0	1.0	2.0	1.5	1.5				1.0	2.0
<b>6 SD03-3879R</b>	1.0	2.0	2.0	2.0	2.5				2.0	2.0
<b>7 SD04R-3380</b>	1.0	1.0	2.5	4.0	1.5				3.0	2.0
<b>8 SD06R-1699</b>	1.0	2.0	2.0	1.5	1.5				3.0	2.0
<b>9 SD06R-2827</b>	2.0	2.0	2.5	2.0	1.5				3.0	2.0

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## Seed Weight (g/100)

	Dekalb	Urbana2	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Hurly	Beresford
	IL	IL	MN	MN	MN	NE	NE	NE	SD	SD
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	I	0	I	NI
Strain										
<b>1 SD1161RR/SCN</b>	17.3	17.1	17.7	17.9	18.6		16.9	16.9	18.5	16.1
<b>2 SD1111RR</b>	15.9	13.3	18.7	13.4	16.1		15.2	15.2	14.5	12.1
<b>3 AG2002</b>	15.2	13.6	16.9	15.3	16.3		13.5	14.4	13.1	13.2
<b>4 U03-820038</b>	16.2	16.0	17.4	16.0	18.0		14.1	14.8	14.3	13.3
<b>5 U06-812247R</b>	15.7	15.1	17.1	15.6	16.1		14.9	16.0	13.7	14.3
<b>6 SD03-3879R</b>	20.6	18.5	16.7	20.3	20.9		20.2	21.1	20.2	18.0
<b>7 SD04R-3380</b>	15.4	13.7	20.0	13.1	14.8		13.7	14.1	15.2	12.4
<b>8 SD06R-1699</b>	14.6	12.6	15.9	12.5	15.7		13.0	13.8	14.5	13.6
<b>9 SD06R-2827</b>	17.1	15.4	17.9	15.9	17.8		16.1	16.3	15.7	14.5

## Protein (%)

	Dekalb	Urbana2	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Hurly	Beresford
	IL	IL	MN	MN	MN	NE	NE	NE	SD	SD
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	I	0	I	NI
Strain										
<b>1 SD1161RR/SCN</b>	32.4	33.8	34.4	35.7	34.8				35.3	34.9
<b>2 SD1111RR</b>	32.4	33.7	35.5	33.7	33.4				34.2	34.5
<b>3 AG2002</b>	34.4	33.7	35.0	35.1	35.0				34.1	34.9
<b>4 U03-820038</b>	32.0	34.3	33.6	34.5	35.0				34.9	35.2
<b>5 U06-812247R</b>	30.2	33.4	33.4	35.0	33.2				33.3	34.7
<b>6 SD03-3879R</b>	31.2	33.9	33.2	35.8	34.7				34.8	35.0
<b>7 SD04R-3380</b>	32.2	32.6	35.1	35.8	34.2				34.9	34.2
<b>8 SD06R-1699</b>	30.2	32.8	34.3	33.8	32.8				35.3	33.9
<b>9 SD06R-2827</b>	31.6	34.5	35.0	35.7	34.4				34.3	34.6

## Oil (%)

	Dekalb	Urbana2	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Hurly	Beresford
	IL	IL	MN	MN	MN	NE	NE	NE	SD	SD
SCN HG Type	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	I	0	I	NI
Strain										
<b>1 SD1161RR/SCN</b>	17.6	17.8	18.0	17.8	17.4				17.8	17.2
<b>2 SD1111RR</b>	18.9	18.2	18.6	18.2	18.5				18.6	18.4
<b>3 AG2002</b>	18.5	18.5	19.1	18.4	18.5				17.7	17.9
<b>4 U03-820038</b>	18.0	17.8	18.6	17.6	18.4				18.2	18.5
<b>5 U06-812247R</b>	18.2	17.9	18.3	17.2	18.0				18.1	17.0
<b>6 SD03-3879R</b>	17.0	17.2	18.1	17.5	16.8				17.2	18.2
<b>7 SD04R-3380</b>	17.7	18.0	17.8	16.7	17.2				17.6	17.5
<b>8 SD06R-1699</b>	18.5	18.4	18.7	19.0	17.8				18.4	18.6
<b>9 SD06R-2827</b>	18.2	18.2	17.7	18.1	17.3				18.5	18.9