

2011 SCN UNIFORM TEST II

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	Traits
1 IA2094	PTy	PT Agripro X0121B74 x A00-711036	3	F4	
2 IA1022 (SCN)	PGy	PG Dairyland 98822 x A00-711024	3	F5	
3 IA3024	PGibl	PG A97-553017 x Pioneer YB33A99	4	F5	1% linolenic
4 LD02- 4485	PGbf	PG M90-184111 x IA3010	6	F5	
5 AR06-165086	PTbl	WG Garst-Agripro 97026-N99-42648 x Golden Harvest H-2632	10SCN U I	F4	
6 AR09-291011	PGbf	PG AR03-161009 x Agripro 97284-N00-47977	10SCN P II	F5	
7 E07051	PGibl	PG IA3017 x Loda	1	F5	
8 LD07-2177	PLt+Gbl+bf	PT IA3023 x LD02-4485	10SCN P II	F5	
9 U07-200211	WLTgr	WT U01-390489 x (U00-429037 x Essex Rsv4)	10 UT PIIB	F5	

Entry	IL SCN screening				MN IDC	ISU IDC	SIU SDS	Shattering
	HG 0		HG 2.5.7		Danvers		Manito	Urbana
	Fl	rating	Fl	rating	score	score	DX	score
1 IA2094	64	NR	68	NR	3.3	2.0	36	3
2 IA1022 (SCN)	6	HR	61	NR	2.5	2.0	47	5
3 IA3024	72	NR	77	NR	2.8	2.0	38	0
4 LD02- 4485	4	HR	69	NR	3.5	1.8	12	0
5 AR06-165086	20	**	65	NR	3.5	2.8	1	1
6 AR09-291011	0	HR	2	HR	2.8	2.0	6	0
7 E07051	6	HR	60	NR	3.3	1.5	6	0
8 LD07-2177	57	LR	85	NR	2.5	2.0	39	0
9 U07-200211	9	HR	65	NR	4.8	2.8	20	0

** rep data too variable to rate
 A11 (rest check) 1.6 67 H-2492 (sus)
 Dwight (susc check) 2.0 9 K-233+RR (res)
 26 LSD

Summary

Entry	Yield						Seed				
	Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	bu/a	rank	bu/a	rank	date	score	in.	score	g/100	%	%
Locations	14		3		11	13	14	10	14	12	12
1 IA2094	45.8	6	54.2	8	9/27	1.4	31	1.3	13.8	34.3	18.5
2 IA1022 (SCN)	43.5	8	51.4	9	-6	1.6	30	1.5	14.4	32.5	19.7
3 IA3024	43.5	8	60.5	4	3	1.3	33	1.5	13.7	33.4	18.1
4 LD02- 4485	53.1	1	61.1	2	0	1.6	34	1.5	13.6	32.2	18.6
5 AR06-165086	49.5	4	55.6	7	-5	1.5	29	1.6	15.0	35.2	19.0
6 AR09-291011	50.3	3	60.6	3	1	1.7	36	1.7	14.9	33.6	18.2
7 E07051	52.0	2	59.6	5	-4	1.3	32	1.8	16.1	34.1	18.5
8 LD07-2177	44.5	7	62.2	1	3	1.7	33	1.8	13.9	31.3	18.9
9 U07-200211	48.8	5	58.9	6	3	1.9	33	1.7	16.0	34.6	17.8

2 year summary

Entry	Yield						Seed				
	Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	bu/a	rank	bu/a	rank	date	score	in.	score	g/100	%	%
Locations	26		5		22	27	26	21	28	24	24
1 IA2094	51.4	3	55.9	4	9/23	1.5	33	1.4	14.2	34.7	18.3
2 IA1022 (SCN)	49.5	5	53.9	5	-5	1.6	31	1.6	14.3	33.2	19.5
3 IA3024	50.0	4	59.3	2	4	1.3	34	1.5	14.1	33.0	18.2
4 LD02- 4485	58.1	1	59.4	1	1	1.6	34	1.5	13.4	32.3	18.6
7 E07051	56.1	2	57.2	3	-3	1.3	32	1.7	16.3	34.2	18.3

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Yield (bu/a)

SCN HG Type	West															Grand			
	Alburnett	Story City	Pontiac	Lafayette	Decatur	Gaylord	Lamberton	Waseca	Auburn	Pierce	Seward	Chatham	Harrow	Beresford1	Junction	Urbana	Hoytville	Beresford2	
	IA	IA	IL	IN	MI	MN	MN	MN	NE	NE	NE	ON	ON	SD	TN	IL	OH	SD	
	7	2.5.7	I	2.5.7	2.5.7	I	2.5.7	I	I	I	I	7	2.5.7	5.7	I	NI	NI	NI	
Strain																			
1 IA2094	58.2	61.8	55.3	39.7	35.9	42.7	37.0	45.5	43.4	48.9	60.7	37.8	49.7	37.1	7.9	35.7	82.7	44.4	
2 IA1022 (SCN)	60.0	51.1	46.1	38.6	31.9	42.0	40.7	51.4	29.3	52.6	52.1	32.7	51.1	43.5	5.6	26.5	81.9	45.9	
3 IA3024	57.3	37.4	68.8	48.7	35.5	40.4	34.7	39.6	51.9	38.8	51.3	9.9	41.5	31.5	13.6	47.4	86.7	47.4	
4 LD02- 4485	62.3	57.6	67.8	50.2	55.9	47.5	44.7	38.8	56.3	56.0	67.6	56.5	54.9	40.1	15.5	39.5	94.0	49.8	
5 AR06-165086	60.1	57.9	56.1	44.6	43.4	47.9	42.8	56.6	48.1	53.0	56.7	46.7	56.4	42.8	10.4	35.0	85.4	46.3	
6 AR09-291011	61.1	55.5	61.7	47.6	39.5	45.3	43.3	41.3	54.5	48.2	56.8	61.5	54.3	38.2	15.1	46.3	91.8	43.6	
7 E07051	67.6	59.1	53.9	44.5	47.3	52.2	45.2	47.8	51.3	56.6	63.6	54.1	59.3	41.6	13.1	40.8	89.0	49.0	
8 LD07-2177	63.4	56.8	59.5	52.2	18.5	43.9	30.1	37.0	45.1	44.3	51.0	16.1	46.2	36.8	13.8	45.7	94.2	46.7	
9 U07-200211	58.0	51.9	63.6	58.8	45.8	39.1	38.1	35.1	51.3	48.7	57.9	55.0	46.5	36.7	15.0	53.4	80.8	42.6	
Average	60.9	54.3	59.2	47.2	39.3	47.6	38.7	43.4	47.9	49.7	57.5	41.1	51.1	38.7	12.2	41.1	87.4	46.2	
LSD(.05)	8.5	12.9	11.2	6.7	12.8	7.7	9.5	8.9	11.4	8.5	17.6	7.3	5.1	11.8	1.8	10.8	5.9	5.2	
C.V. %	4.8	8.2	8.2	8.2	16.8	9.7	14.8	12.2	10.3	6.8	13.3	12.4	7.1	17.0	21.0*	11.4	3.9	6.0	
Replications	2	2	2	3	3	3	3	3	2	2	2	3	3	3	4	2	3	3	
Row width (in.)	30	30	30	30	15	30	30	30	30	30	30	24	24	30	30	30	15	30	

*Data not included when calculating means for summary table.

Yield (rank)

SCN HG Type	West															Grand			
	Alburnett	Story City	Pontiac	Lafayette	Decatur	Gaylord	Lamberton	Waseca	Auburn	Pierce	Seward	Chatham	Harrow	Beresford1	Junction	Urbana	Hoytville	Beresford2	
	IA	IA	IL	IN	MI	MN	MN	MN	NE	NE	NE	ON	ON	SD	TN	IL	OH	SD	
	7	2.5.7	I	2.5.7	2.5.7	I	2.5.7	I	I	I	I	7	2.5.7	5.7	I	NI	NI	NI	
Strain																			
1 IA2094	7	1	7	8	6	6	7	4	8	5	3	6	6	6	8	7	7	7	
2 IA1022 (SCN)	6	8	9	9	8	7	5	2	9	4	7	7	5	1	9	9	8	6	
3 IA3024	9	9	1	4	7	8	8	6	3	9	8	9	9	9	5	2	5	3	
4 LD02- 4485	3	4	2	3	1	3	2	7	1	2	1	2	3	4	1	6	2	1	
5 AR06-165086	5	3	6	6	4	2	4	1	6	3	6	5	2	2	7	8	6	5	
6 AR09-291011	4	6	4	5	5	4	3	5	2	7	5	1	4	5	3	3	3	8	
7 E07051	1	2	8	7	2	1	1	3	4	1	2	4	1	3	6	5	4	2	
8 LD07-2177	2	5	5	2	9	5	9	8	7	8	9	8	8	7	4	4	1	4	
9 U07-200211	8	7	3	1	3	9	6	9	4	6	4	3	7	8	2	1	9	9	

Maturity

SCN HG Type	West															Grand			
	Alburnett	Story City	Pontiac	Lafayette	Decatur	Gaylord	Lamberton	Waseca	Auburn	Pierce	Seward	Chatham	Harrow	Beresford1	Junction	Urbana	Hoytville	Beresford2	
	IA	IA	IL	IN	MI	MN	MN	MN	NE	NE	NE	ON	ON	SD	TN	IL	OH	SD	
	7	2.5.7	I	2.5.7	2.5.7	I	2.5.7	I	I	I	I	7	2.5.7	5.7	I	NI	NI	NI	
Strain																			
1 IA2094		9/29	9/14	9/20		9/21	10/1	10/1	9/10		9/27	10/8	10/11		9/6*	9/01*	10/6		
2 IA1022 (SCN)		-11	-10	-10		-1	-3	-2	-8		0	-10	-6		0	-3	-5		
3 IA3024		1	10	10		0	4	3	9		0	-4	-1		0	15	5		
4 LD02- 4485		-1	5	2		0	3	-1	0		-2	0	0		0	4	-4		
5 AR06-165086		-8	-7	-9		-2	-2	-2	-6		-4	-2	-7		0	-1	-7		
6 AR09-291011		-1	7	3		0	1	0	6		-2	1	-2		0	10	-1		
7 E07051		-12	-6	-7		-2	0	-2	-3		-2	0	-3		0	1	-6		
8 LD07-2177		2	7	6		0	1	0	6		5	-1	0		0	14	5		
9 U07-200211		-2	9	7		0	3	0	4		-1	3	1		0	16	3		
Planted		5/18	5/19	5/10	5/17	5/3	5/10	5/17	5/18	5/23	5/31	6/7	6/14	6/13	6/7	5/19	5/13	6/6	6/7

*Data not included when calculating means for summary table.

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Lodging (score)

SCN HG Type	West															Grand			
	Alburnett	Story City	Pontiac	Lafayette	Decatur	Gaylord	Lamberton	Waseca	Auburn	Pierce	Seward	Chatham	Harrow	Beresford1	Junction	Urbana	Hoytville	Beresford2	
	IA	IA	IL	IN	MI	MN	MN	MN	NE	NE	NE	ON	ON	SD	TN	IL	OH	SD	
Strain	7	2.5.7	I	2.5.7	2.5.7	I	2.5.7	I	I	I	I	7	2.5.7	5.7	I	NI	NI	NI	
1 IA2094	1.8	2.0	1.5	1.0	1.0		1.3	2.0				1.0	1.5	1.0		1.0	2.0	1.0	
2 IA1022 (SCN)	2.0	2.0	1.5	1.0	1.5		1.7	2.0				1.0	1.0	1.0		1.0	2.7	3.0	
3 IA3024	1.8	1.8	1.5	1.0	1.0		1.3	2.0				1.0	1.0	1.0		1.0	2.0	1.0	
4 LD02- 4485	2.3	2.0	1.5	1.0	2.0		1.7	2.0				1.0	1.7	1.0		1.3	2.3	1.0	
5 AR06-165086	1.8	2.0	1.5	1.0	2.0		1.7	2.0				1.0	1.0	1.0		1.0	2.0	1.0	
6 AR09-291011	2.3	2.0	1.8	1.0	2.0		2.0	2.0				1.0	1.5	2.0		1.5	2.3	1.0	
7 E07051	1.8	1.8	1.0	1.0	1.0		1.3	2.0				1.0	1.0	1.0		1.0	2.0	1.0	
8 LD07-2177	2.8	2.8	1.8	1.2	1.0		1.0	2.0				1.0	2.5	1.0		1.5	2.7	1.0	
9 U07-200211	2.0	2.3	1.5	1.0	2.0		1.3	2.0				1.0	3.2	2.0		1.0	3.7	2.0	

Height (inches)

SCN HG Type	West															Grand			
	Alburnett	Story City	Pontiac	Lafayette	Decatur	Gaylord	Lamberton	Waseca	Auburn	Pierce	Seward	Chatham	Harrow	Beresford1	Junction	Urbana	Hoytville	Beresford2	
	IA	IA	IL	IN	MI	MN	MN	MN	NE	NE	NE	ON	ON	SD	TN	IL	OH	SD	
Strain	7	2.5.7	I	2.5.7	2.5.7	I	2.5.7	I	I	I	I	7	2.5.7	5.7	I	NI	NI	NI	
1 IA2094	36	41	33	28	25		32	38				24	47	29	18	26	34	27	
2 IA1022 (SCN)	35	33	29	27	25		31	36				23	45	27	19	20	35	37	
3 IA3024	39	37	34	32	29		34	37				20	47	27	23	31	35	41	
4 LD02- 4485	40	41	34	31	36		33	38				27	47	30	24	26	35	30	
5 AR06-165086	30	36	30	25	29		27	35				22	45	32	18	23	32	29	
6 AR09-291011	39	42	38	32	38		38	40				34	46	32	25	32	36	35	
7 E07051	37	40	26	28	32		31	35				28	46	37	22	26	34	32	
8 LD07-2177	40	43	35	32	27		28	40				22	47	32	21	31	35	35	
9 U07-200211	32	35	31	29	32		30	37				32	48	31	19	28	38	41	

Seed Quality (score)

SCN HG Type	West															Grand			
	Alburnett	Story City	Pontiac	Lafayette	Decatur	Gaylord	Lamberton	Waseca	Auburn	Pierce	Seward	Chatham	Harrow	Beresford1	Junction	Urbana	Hoytville	Beresford2	
	IA	IA	IL	IN	MI	MN	MN	MN	NE	NE	NE	ON	ON	SD	TN	IL	OH	SD	
Strain	7	2.5.7	I	2.5.7	2.5.7	I	2.5.7	I	I	I	I	7	2.5.7	5.7	I	NI	NI	NI	
1 IA2094		2.0	1.0	3.0		1.0	1.0	1.0						1.0		1.0	1.0	1.0	
2 IA1022 (SCN)		2.0	1.0	3.0		1.0	2.0	1.0						1.0		2.0	1.0	1.0	
3 IA3024		3.0	2.0	2.5		1.0	1.0	1.0						1.0		1.0	1.0	1.0	
4 LD02- 4485		2.0	1.0	2.0		1.0	1.0	1.0						1.0		3.0	1.0	2.0	
5 AR06-165086		2.0	2.0	2.5		1.0	1.0	1.0						1.0		2.0	1.0	2.0	
6 AR09-291011		2.0	1.0	2.0		1.0	2.0	1.0						2.0		3.0	1.0	2.0	
7 E07051		2.0	2.0	3.0		1.0	2.0	1.0						2.0		2.0	1.0	2.0	
8 LD07-2177		3.0	2.0	2.5		1.0	2.0	1.0						1.0		2.0	1.0	2.0	
9 U07-200211		2.0	1.0	1.5		1.0	3.0	1.0						2.0		2.0	1.0	2.0	

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Seed Weight (g/100)

Strain	West															Grand				
	Alburnett	Story City	Pontiac	Lafayette	Decatur	Gaylord	Lamberton	Waseca	Auburn	Pierce	Seward	Chatham	Harrow	Beresford1	Junction	Urbana	Hoytville	Beresford2		
	IA	IA	IL	IN	MI	MN	MN	MN	NE	NE	NE	ON	ON	SD	TN	IL	OH	SD		
SCN HG Type	7	2.5.7	I	2.5.7	2.5.7	I	2.5.7	I	I	I	I	7	2.5.7	5.7	I	NI	NI	NI		
1 IA2094		13.2	12.4	15.5	13.5	12.5	12.6	11.9				15.5	17.0	11.4	14.1	13.2	16.9	13.3		
2 IA1022 (SCN)		14.0	14.3	13.9	14.2	13.7	14.3	12.9				16.2	16.1	12.6	14.2	14.2	16.5	14.2		
3 IA3024		12.3	15.0	16.3	12.3	12.9	12.1	12.6				12.8	16.3	11.9	13.9	13.3	16.6	14.2		
4 LD02- 4485		13.0	12.5	14.2	14.0	11.7	12.3	11.7				17.1	17.2	11.4	13.3	12.2	16.2	13.4		
5 AR06-165086		14.8	15.0	15.9	14.5	13.0	12.5	13.6				18.2	18.8	13.5	14.0	14.9	16.6	15.4		
6 AR09-291011		14.7	14.4	15.9	14.0	13.4	12.2	13.0				18.9	17.8	13.2	14.5	13.7	17.3	15.2		
7 E07051		15.5	14.9	16.1	15.9	14.8	15.1	14.3				20.5	20.3	14.0	14.3	13.8	18.8	17.6		
8 LD07-2177		13.3	15.8	16.2	12.5	13.6	11.1	11.9				14.4	16.8	11.4	14.2	13.3	16.3	14.0		
9 U07-200211		15.1	16.2	17.5	15.7	14.9	13.6	13.7				21.3	18.5	13.6	15.1	14.7	18.2	15.9		

Protein (%)

Strain	West															Grand				
	Alburnett	Story City	Pontiac	Lafayette	Decatur	Gaylord	Lamberton	Waseca	Auburn	Pierce	Seward	Chatham	Harrow	Beresford1	Junction	Urbana	Hoytville	Beresford2		
	IA	IA	IL	IN	MI	MN	MN	MN	NE	NE	NE	ON	ON	SD	TN	IL	OH	SD		
SCN HG Type	7	2.5.7	I	2.5.7	2.5.7	I	2.5.7	I	I	I	I	7	2.5.7	5.7	I	NI	NI	NI		
1 IA2094		33.6	33.8	35.4	33.9	34.5	33.2	31.7				35.4	36.5			32.3	35.9			
2 IA1022 (SCN)		32.1	31.1	34.1	34.5	31.4	31.3	30.5				32.3	34.8			32.2	33.0			
3 IA3024		31.8	32.3	30.3	34.1	32.2	32.6	31.4				36.4	37.4			31.8	34.5			
4 LD02- 4485		30.7	30.9	33.8	32.7	30.7	30.3	30.5				33.0	34.8			30.6	33.7			
5 AR06-165086		34.3	35.2	34.7	36.1	33.6	33.8	31.8				36.9	37.7			35.9	36.8			
6 AR09-291011		32.4	32.1	34.2	33.8	32.7	32.1	31.7				35.0	37.4			33.1	34.3			
7 E07051		32.8	34.2	32.9	37.1	32.2	33.0	31.7				34.5	37.4			33.3	33.9			
8 LD07-2177		29.8	31.6	31.6	32.7	29.1	29.4	29.1				33.5	33.9			29.7	32.5			
9 U07-200211		33.6	33.1	35.5	36.2	33.4	32.8	32.2				35.8	35.9			34.0	37.0			

Oil (%)

Strain	West															Grand				
	Alburnett	Story City	Pontiac	Lafayette	Decatur	Gaylord	Lamberton	Waseca	Auburn	Pierce	Seward	Chatham	Harrow	Beresford1	Junction	Urbana	Hoytville	Beresford2		
	IA	IA	IL	IN	MI	MN	MN	MN	NE	NE	NE	ON	ON	SD	TN	IL	OH	SD		
SCN HG Type	7	2.5.7	I	2.5.7	2.5.7	I	2.5.7	I	I	I	I	7	2.5.7	5.7	I	NI	NI	NI		
1 IA2094		18.7	19.8	18.9	19.4	17.3	17.8	18.6				17.6	17.4			20.2	17.9			
2 IA1022 (SCN)		20.2	21.5	20.4	19.5	19.2	19.1	19.4				18.3	18.5			20.9	18.7			
3 IA3024		18.2	19.5	21.8	18.5	17.2	17.2	17.6				15.8	16.5			20.1	17.4			
4 LD02- 4485		18.7	19.9	18.9	19.8	18.2	17.6	18.2				17.3	18.0			20.8	17.7			
5 AR06-165086		19.3	19.7	21.1	19.7	18.6	18.4	19.0				17.3	17.7			20.2	18.5			
6 AR09-291011		19.4	19.7	19.6	18.5	17.8	17.2	17.9				17.0	16.8			18.9	18.1			
7 E07051		19.6	18.8	19.9	17.6	18.2	17.8	18.3				17.2	16.8			19.8	18.7			
8 LD07-2177		19.2	20.2	19.9	18.9	18.3	18.6	18.6				17.3	18.3			20.9	18.1			
9 U07-200211		17.4	18.5	18.6	18.9	17.1	17.3	18.2				17.2	17.1			18.4	16.3			