

2009 SCN UNIFORM II

Strain	FPhm	Parentage	Previous testing	Gen. Comp.	Traits
1 IA2094	PTy	Agripro X0121B74 x A00-711036	1	F4	
2 IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	1	F5	
3 IA3024	PGibl	A97-553017 x Pioneer YB33A99	2	F5	1% linolenic
4 LD02- 4485	PGbf	M90-184111 x IA3010	4	F5	
5 A06-712040	PGy	IA2068 x Pioneer 91M10	08 UT II		
6 AR06-165095	PLtbl/ibl	Golden Harvest 24040 x GarstAgripro 97026-N99-42648	08 SCN U I	F3	
7 AR06-265100	PLtbl	Golden Harvest H-2632 x GarstAgripro 97023-A99-03284	1	F3	
8 E06240	PGgr	Loda x NxA-1-55	1	F5	
9 LD05-1540	WTbl	Syngenta S25-J5 x SS98-3403	1	F5	

Entry	IL SCN screening				Purdue SCN screening		MN IDC	ISU IDC	SIU SDS
	HG 0		HG 2.5.7		HG 0	HG 2.5.7	Wilkin		Havana
	FI	rating	FI	rating	rating	rating	score	score	DX
1 IA2094	56	LR	90	NR	S	MR	2.5	1.7	5
2 IA1022 (SCN)	4	HR	72	NR	MR	MR	3.0	2.8	9
3 IA3024	65	NR	106	NR	S	MR	3.0	2.8	32
4 LD02- 4485	3	HR	72	NR	S	MR	3.5	3.3	2
5 A06-712040	0	HR	67	NR	R	MR	3.0	3.2	18
6 AR06-165095	4	HR	41	LR	MR	MR	4.5	3.5	35
7 AR06-265100	6	HR	76	NR	MS	MR	3.0	2.5	27
8 E06240	59	LR	103	NR	MR	MR	3.5	3.0	10
9 LD05-1540	7	HR	50	LR	R	R	3.5	3.0	10

Dwight (susc check) 2.7 2 LD06-30513Ra (res)
A11 (rest check) 1.3 27 H-2494 (sus)
15 Mean
16 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							
	13		2		13	13	14	10	15	11	11
1 IA2094	50.7	5	53.1	5	923	1.6	29	1.8	17.0	34.8	18.0
2 IA1022 (SCN)	46.9	9	51.5	7	-3	1.5	27	1.8	16.6	33.5	19.4
3 IA3024	48.6	8	52.3	6	4	1.4	30	1.8	17.5	33.0	17.9
4 LD02- 4485	54.6	1	53.6	4	1	1.5	29	1.8	15.6	33.1	18.2
5 A06-712040	50.9	4	51.3	8	-2	1.3	27	2.0	15.1	34.2	18.2
6 AR06-165095	50.0	7	54.6	2	1	1.7	31	1.7	18.6	34.5	17.8
7 AR06-265100	52.3	3	54.6	2	1	1.4	29	1.8	18.4	34.6	17.6
8 E06240	50.6	6	48.5	9	2	1.5	30	1.7	18.2	33.7	18.2
9 LD05-1540	53.9	2	58.8	1	1	1.4	32	1.8	18.4	34.4	18.2

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							
	24		3		26	25	25	20	29	20	20
1 IA2094	49.8	5	44.7	5	923	1.5	28.7	1.6	15.8	34.8	18.3
2 IA1022 (SCN)	47.5	6	43.1	6	-4	1.3	27.1	2.0	15.5	33.5	19.6
3 IA3024	47.5	6	45.4	4	4	1.4	29.6	1.9	16.2	32.7	18.4
4 LD02- 4485	52.6	1	46.8	2	2	1.5	29.1	1.8	14.9	33.0	18.7
7 AR06-265100	52.6	1	45.8	3	0	1.3	29.1	2.0	17.4	34.9	18.0
8 E06240	50.1	4	42.1	7	1	1.5	30.3	1.9	17.0	34.0	18.6
9 LD05-1540	52.6	1	48.6	1	1	1.3	30.6	1.8	17.3	34.3	18.7

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Yield (bu/a)

SCN HG Type	Grand														Hoytville	
	Nevada	Urbana	Dekalb	Pontiac	Urabna	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Harrow	Chatham	Junction		Ingham
	IA	IA	IL	IL	IL	MN	MN	MN	NE	NE	NE	OH	ON	TN		MI
Strain	1,2,5,7	2,7	2,5,7	2,5,7	2,5,7	2,5,7	2,5,7	2,7	7	5,7	0	7	7	I	NI	NI
1 IA2094	58.5	57.6	61.3	66.0	66.0	49.6	21.8	38.7	56.4	55.2	66.0	40.5	27.7	50.0	47.5	58.7
2 IA1022 (SCN)	54.2	47.5	47.8	59.3	49.3	53.0	23.6	41.0	51.0	57.5	61.1	42.9	42.2	30.3	52.3	50.8
3 IA3024	46.7	50.0	59.6	71.6	62.1	55.2	19.9	44.5	58.0	55.3	72.2	29.3	23.3	42.3	47.8	56.7
4 LD02- 4485	59.4	48.4	59.0	63.8	67.8	52.5	27.2	45.5	60.5	60.8	64.6	51.7	50.7	58.3	48.2	59.0
5 A06-712040	61.6	50.8	56.2	66.0	58.1	49.5	29.2	46.5	43.7	62.5	64.0	46.5	40.4	31.0	49.7	52.9
6 AR06-165095	56.7	47.7	58.8	62.3	54.9	51.3	30.4	50.4	59.8	60.2	64.1	45.6	39.4	28.0	56.6	52.5
7 AR06-265100	58.7	56.4	62.6	66.8	47.6	51.5	27.3	48.5	59.7	64.0	68.2	48.2	45.5	34.3	56.3	52.9
8 E06240	54.1	45.1	56.9	67.8	62.0	52.1	21.6	44.1	74.8	61.5	69.3	39.6	33.8	50.0	37.1	59.8
9 LD05-1540	56.5	56.9	56.2	66.8	63.7	55.7	30.5	48.4	59.1	65.5	66.6	46.7	42.1	45.0	54.3	63.2
Average	56.3	51.2	57.6	65.6	59.1	52.3	25.7	45.3	58.1	60.3	66.2	43.5	38.3	41.0	49.9	56.3
LSD(.05)	5.9	6.6	5.3	8.8	8.4	8.2	6.9	7.5	51.4	6.6	15.5	9.2	6.1	17.9	10.9	8.0
C.V. %	4.5	5.6	4.7	6.8	7.8	9.4	15.7	10.2	34.9*	4.3	9.3	14.8	11.1	25.2	11.7	8.2
Replications	2	2	2	2	2	3	3	3	2	2	2	3	3	3	2	3
Row width (in.)	30	30	30	30	30	30	30	30	30	30	30	24	24	30	15	7.5

*data not included when calculating means for summary table.

Yield (rank)

SCN HG Type	Grand														Hoytville	
	Nevada	Urbana	Dekalb	Pontiac	Urabna	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Harrow	Chatham	Junction		Ingham
	IA	IA	IL	IL	IL	MN	MN	MN	NE	NE	NE	OH	ON	TN		MI
Strain	1,2,5,7	2,7	2,5,7	2,5,7	2,5,7	2,5,7	2,5,7	2,7	7	5,7	0	7	7	I	NI	NI
1 IA2094	4	1	2	5	2	8	7	9	7	9	5	7	8	2	8	4
2 IA1022 (SCN)	7	8	9	9	8	3	6	8	8	7	9	6	3	8	4	8
3 IA3024	9	5	3	1	4	2	9	6	6	8	1	9	9	5	7	5
4 LD02- 4485	2	6	4	7	1	4	5	5	2	5	6	1	1	1	6	3
5 A06-712040	1	4	7	5	6	9	3	4	9	3	8	4	5	7	5	6
6 AR06-165095	5	7	5	8	7	7	2	1	3	6	7	5	6	9	1	7
7 AR06-265100	3	3	1	3	9	6	4	2	4	2	3	2	2	6	2	6
8 E06240	8	9	6	2	5	5	8	7	1	4	2	8	7	2	9	2
9 LD05-1540	6	2	7	3	3	1	1	3	5	1	4	3	4	4	3	1

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Maturity

SCN HG Type	Grand														Ingham	Hoytville			
	Nevada	Urbana	Dekalb	Pontiac	Urabna	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Harrow	Chatham	Junction			TN	MI	OH
	IA	IA	IL	IL	IL	MN	MN	MN	NE	NE	NE	OH	ON	ON			OH	OH	OH
Strain	1.2.5.7	2.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	5.7	0	7	7	I	NI	NI			
1 IA2094		9/28	10/8	9/19	9/16	9/21	9/29	9/23	9/23		9/28	10/2	9/24	9/9			9/11		
2 IA1022 (SCN)		-9	-5	-3	-8	0	0	-6	-1		-1	-4	-2	0			-1		
3 IA3024		2	5	3	1	4	4	5	3		2	11	3	2			2		
4 LD02- 4485		1	0	0	2	0	0	-1	2		0	9	0	0			2		
5 A06-712040		-4	-4	-2	-2	1	-1	0	-1		-2	-2	-2	-1			-1		
6 AR06-165095		-3	1	-1	-3	2	2	2	0		0	5	0	2			2		
7 AR06-265100		-1	3	0	-3	1	2	1	1		2	5	-1	5			2		
8 E06240		-2	2	1	0	4	2	1	1		0	4	2	2			2		
9 LD05-1540		-3	3	1	0	4	1	1	0		0	3	1	1			1		
Planted	5/20	5/19	6/7	5/26	5/23	5/13	5/7	5/11	5/29	6/1	5/29	6/4	5/26	6/1	5/20	5/12			

Lodging (score)

SCN HG Type	Grand														Ingham	Hoytville			
	Nevada	Urbana	Dekalb	Pontiac	Urabna	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Harrow	Chatham	Junction			TN	MI	OH
	IA	IA	IL	IL	IL	MN	MN	MN	NE	NE	NE	OH	ON	ON			OH	OH	OH
Strain	1.2.5.7	2.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	5.7	0	7	7	I	NI	NI			
1 IA2094	2.0	2.8	1.3	1.8	1.5	1.0	1.0	2.0				2.0	1.0	1.0	2.5	1.0			
2 IA1022 (SCN)	2.0	3.3	1.0	2.0	1.0	1.0	1.0	1.3				1.7	1.0	1.0	2.0	1.0			
3 IA3024	2.0	2.0	1.0	1.8	1.0	1.0	1.0	1.7				2.3	1.0	1.0	2.0	1.0			
4 LD02- 4485	2.0	2.0	1.0	1.8	1.5	1.0	1.0	1.3				2.0	1.0	1.0	3.0	1.0			
5 A06-712040	1.5	2.0	1.0	1.0	1.0	1.0	1.0	2.0				1.3	1.0	1.0	2.0	1.0			
6 AR06-165095	2.0	2.5	1.3	1.8	1.3	1.0	1.0	2.3				3.7	1.0	1.0	2.0	1.0			
7 AR06-265100	2.0	2.0	1.3	1.5	1.0	1.0	1.0	2.0				2.3	1.0	1.0	1.5	1.0			
8 E06240	2.5	2.5	1.3	2.0	1.3	1.0	1.0	1.7				1.3	1.0	1.0	2.5	1.0			
9 LD05-1540	2.0	2.0	1.0	1.5	1.3	1.0	1.0	1.7				1.7	1.0	1.0	2.0	1.0			

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Height (inches)

SCN HG Type	Height (inches)													Grand		
	Nevada	Urbana	Dekalb	Pontiac	Urabna	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Harrow	Chatham	Junction	Ingham	Hoytville
	IA	IA	IL	IL	IL	MN	MN	MN	NE	NE	NE	OH	ON	TN	MI	OH
Strain	1.2.5.7	2.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	5.7	0	7	7	I	NI	NI
1 IA2094	29	35	35	29	29	30	24	30	28			32	19	27	27	26
2 IA1022 (SCN)	29	34	27	32	28	27	21	29	26			33	19	22	25	23
3 IA3024	33	28	36	33	32	34	24	31	28			35	17	28	28	27
4 LD02- 4485	33	35	34	31	29	25	21	28	29			38	21	25	28	27
5 A06-712040	29	31	32	29	29	29	24	29	25			33	20	22	24	23
6 AR06-165095	33	36	36	31	28	33	29	34	28			36	22	26	31	27
7 AR06-265100	31	34	33	30	26	29	25	31	26			36	22	26	29	29
8 E06240	35	34	35	32	26	33	22	33	33			39	23	25	24	29
9 LD05-1540	37	40	36	31	30	36	31	35	29			37	22	23	30	30

Seed Quality (score)

SCN HG Type	Seed Quality (score)													Grand		
	Nevada	Urbana	Dekalb	Pontiac	Urabna	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Harrow	Chatham	Junction	Ingham	Hoytville
	IA	IA	IL	IL	IL	MN	MN	MN	NE	NE	NE	OH	ON	TN	MI	OH
Strain	1.2.5.7	2.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	5.7	0	7	7	I	NI	NI
1 IA2094	2.0	2.0	1.0	1.0	1.0	1.0	2.5	1.0						4.0		2.0
2 IA1022 (SCN)	2.0	1.0	1.0	2.0	2.0	1.5	1.5	1.0						4.0		2.0
3 IA3024	1.0	2.0	2.0	1.0	1.0	1.0	3.5	1.0						4.0		1.0
4 LD02- 4485	1.0	1.0	1.0	2.0	1.0	3.5	2.0	1.5						4.0		1.0
5 A06-712040	2.0	2.0	1.0	3.0	1.0	2.0	1.5	1.5						4.0		2.0
6 AR06-165095	2.0	2.0	1.0	1.0	1.0	2.0	2.0	1.0						4.0		1.0
7 AR06-265100	2.0	2.0	2.0	1.0	1.0	1.5	2.0	1.0						4.0		1.0
8 E06240	2.0	2.0	1.0	1.0	1.0	1.0	2.0	1.5						4.0		1.0
9 LD05-1540	2.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0						4.0		2.0

Seed Weight (g/100)

SCN HG Type	Seed Weight (g/100)													Grand		
	Nevada	Urbana	Dekalb	Pontiac	Urabna	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Harrow	Chatham	Junction	Ingham	Hoytville
	IA	IA	IL	IL	IL	MN	MN	MN	NE	NE	NE	OH	ON	TN	MI	OH
Strain	1.2.5.7	2.7	2.5.7	2.5.7	2.5.7	2.5.7	2.5.7	2.7	7	5.7	0	7	7	I	NI	NI
1 IA2094	18.1	17.2	18.4	18.0	17.1	19.3	15.7	17.8		15.6	17.5	17.8	15.9	14.9	15.0	16.1
2 IA1022 (SCN)	15.4	14.7	17.6	17.5	15.3	18.5	17.7	16.7		15.3	16.2	18.4	16.7	16.0	16.4	16.2
3 IA3024	17.9	16.5	18.7	19.2	16.8	21.3	17.9	18.6		17.0	18.4	18.9	14.0	15.2	16.0	16.5
4 LD02- 4485	13.8	13.6	16.6	16.0	15.6	17.5	16.5	17.2		15.2	15.7	17.5	15.8	14.0	14.2	14.3
5 A06-712040	14.9	13.8	14.9	16.2	14.9	16.9	16.4	18.7		14.8	15.1	16.1	14.6	11.9	14.4	13.6
6 AR06-165095	18.7	15.9	20.1	19.6	17.3	21.1	19.1	19.9		18.3	18.5	21.5	18.1	15.0	18.4	17.3
7 AR06-265100	17.9	17.3	19.9	20.7	18.9	19.7	18.0	20.0		16.9	18.6	20.0	18.1	15.3	17.7	17.4
8 E06240	18.6	16.2	20.6	19.9	18.1	19.2	17.0	19.2		18.9	19.2	19.8	17.4	16.4	16.1	16.9
9 LD05-1540	18.6	17.5	19.9	19.5	18.5	20.2	19.9	20.6		17.7	18.4	19.6	17.4	14.1	17.0	17.3

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Protein (%)

SCN HG Type	Nevada	Urbana	Dekalb	Pontiac	Urabna	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Harrow	Chatham	Grand			
	IA	IA	IL	IL	IL	MN	MN	MN	NE	NE	NE	OH	ON	TN	MI	OH	
	1,2,5,7	2,7	2,5,7	2,5,7	2,5,7	2,5,7	2,5,7	2,7	7	5,7	0	7	7	I	NI	NI	
Strain																	
1 IA2094	34.3	35.5	32.9	31.9	34.5	34.6	37.9	33.3				36.5	35.1				36.1
2 IA1022 (SCN)	33.5	34.3	34.6	31.1	31.4	34.4	34.5	32.1				35.2	33.1				34.2
3 IA3024	31.7	32.9	32.4	29.3	29.7	32.1	36.2	34.5				36.8	35.4				32.2
4 LD02- 4485	32.2	33.2	32.1	29.9	32.7	34.0	35.8	34.5				35.1	33.1				31.3
5 A06-712040	34.6	35.7	31.8	32.1	32.6	35.7	35.6	33.5				35.8	34.6				34.4
6 AR06-165095	33.7	34.6	32.4	32.3	32.9	34.7	36.6	35.0				37.3	35.2				34.4
7 AR06-265100	34.3	34.8	32.4	32.6	33.8	34.7	36.8	34.3				37.3	35.4				34.7
8 E06240	33.5	35.2	31.3	32.0	32.2	33.6	35.7	32.7				35.9	34.9				34.1
9 LD05-1540	34.2	35.0	33.3	33.2	34.7	34.0	35.3	33.7				35.9	34.9				34.2

Oil (%)

SCN HG Type	Nevada	Urbana	Dekalb	Pontiac	Urabna	Gaylord	Lamberton	Waseca	Herman	Lyons	Takamah	Harrow	Chatham	Grand			
	IA	IA	IL	IL	IL	MN	MN	MN	NE	NE	NE	OH	ON	TN	MI	OH	
	1,2,5,7	2,7	2,5,7	2,5,7	2,5,7	2,5,7	2,5,7	2,7	7	5,7	0	7	7	I	NI	NI	
Strain																	
1 IA2094	17.8	18.5	16.8	17.8	19.0	16.8	17.1	18.6				17.9	18.9				18.6
2 IA1022 (SCN)	19.6	18.2	19.1	19.4	20.0	18.3	19.5	20.3				19.3	20.6				19.6
3 IA3024	18.9	17.9	17.3	18.1	19.1	17.7	16.5	18.6				16.7	17.7				18.8
4 LD02- 4485	18.8	17.6	17.4	18.3	18.5	16.9	18.1	18.3				17.9	19.5				19.1
5 A06-712040	19.0	17.6	17.4	18.0	18.6	18.2	18.1	17.8				17.7	18.8				18.7
6 AR06-165095	18.2	17.4	16.6	17.6	18.8	17.4	16.9	18.3				17.4	18.8				18.5
7 AR06-265100	17.8	17.2	16.5	17.0	18.5	17.4	17.0	17.5				17.6	19.1				17.8
8 E06240	18.1	17.9	17.0	18.1	18.5	17.6	17.7	18.8				18.2	19.2				19.4
9 LD05-1540	18.3	17.6	17.6	18.2	18.9	17.3	17.8	17.9				18.3	19.1				19.2