

2016 SCN UNIFORM TEST III

Strain	FPhlm	Parentage	Previous testing	Gen. Comp.	Traits	
1 IA3023	WLTbl	Dairyland DSR-365 x Pioneer P9381	14	F5	None	
2 IA3048	WGy	Dairyland 99540 x IA2068	6	F4	PI 88788	
3 LD07-3395bf	WGbf	LD07-3395 RESELECTION	1	F5	PI 88788,437654	
4 U11-920017	PTbr	HS5-3417 x LD02-4485	15 UT II	F6	None	Rps res.
5 AR13-331019	WGbf	PI 606749 x AR3	15 SCN U IV	F4	PI 606749	IDC
6 AR13-331023	P+WT+Gbl/bf/ik	AR03-161009 x AR06-365076	15 SCN P III	F5	PI 507354,88788	
7 LD11-2170	PLtbr	Syngenta 03JR313108 x LD05-3171	1	F5	PI 88788	
8 LD12-1843	WTbl	LD04-11056W x Shillinger 432.TCS	15 SCN P III	F5	PI 88788	
9 LD12-3903	PT+Ltbl	LD06-7620 x Syngenta 05BR006009	15 SCN P III	F5	PI 88788	
10 LD12-12701a	PGbf	LD08-12446a x LD05-30588a	15 SCN P II	F5	PI 88788	Rag1+2

Entry	IL SCN screening				SIU SDS	SIU SDS	ISU IDC
	HG 0		HG 2.5.7		Shawneetown	Valmeyer	Bruner
	FI	rating	FI	rating	DX	DX	score
1 IA3023	66	NR	64	NR	2.8	0.0	2.8
2 IA3048	2	HR	69	NR	6.7	0.0	3.0
3 LD07-3395bf	1	HR	32	MR	0.6	0.0	4.0
4 U11-920017	74	NR	49	LR	0.3	0.0	1.5
5 AR13-331019	0	HR	3	HR	0.1	0.0	1.8
6 AR13-331023	15	R	58	LR	6.9	0.3	2.8
7 LD11-2170	17	R	55	LR	3.9	0.0	3.8
8 LD12-1843	20	R	69	NR	0.1	0.3	3.5
9 LD12-3903	7	HR	63	NR	2.8	0.0	1.8
10 LD12-12701a	4	HR	54	LR	1.9	0.0	3.3

Morgan (sus) 17.8 1.7 Ave. 2.4
AR03-361091 (res) 0.0 0.0 LSD 2.2
LSD 8.1 1.3

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2016 Summary

Entry	Locations	Yield						Maturity date	Lodging score	Height in.	Seed			
		All		Infested		Non-infested					quality score	weight g/100	protein @13%	oil @13%
		bu/a	rank	bu/a	rank	bu/a	rank							
		15*		11*		4		14	15	15	16	16	8	8
1 IA3023		63.4	7	61.5	9	68.6	2	9/24	1.9	36.5	1.7	15.2	32.4	19.9
2 IA3048		67.3	5	67.8	5	66.1	5	0	2.4	37.6	1.7	14.5	34.1	19.3
3 LD07-3395bf		69.5	3	70.2	3	67.8	4	2	2.2	34.7	2.1	15.6	31.7	20.2
4 U11-920017		57.7	10	58.1	10	56.6	10	-5	1.8	32.8	2.1	15.9	31.2	21.1
5 AR13-331019		63.1	8	63.7	7	61.7	9	3	3.3	46.3	2.2	13.1	33.9	19.3
6 AR13-331023		62.1	9	62.0	8	62.5	7	1	3.1	44.1	2.2	14.7	34.2	19.4
7 LD11-2170		72.9	1	72.8	2	73.5	1	-2	1.8	35.1	1.9	15.3	33.8	20.4
8 LD12-1843		68.4	4	69.3	4	66.1	6	1	2.1	37.8	2.0	16.8	35.3	19.5
9 LD12-3903		72.8	2	74.7	1	68.2	3	1	1.5	34.0	1.7	16.4	33.4	20.0
10 LD12-12701a		64.1	6	64.9	6	61.8	8	-3	2.4	36.3	2.1	14.9	34.0	19.8
Mean		66.1		66.5		65.3		23.9	2.2	37.5	2.0	15.2	33.4	19.9
LSD(.05)		2.4		2.9		4.1		0.8	0.2	1.1				
C.V. %		8.7		9.1		7.8		7.5	21.5	7.2				
Replications		39		27		12		38	40	40				

* Clarkton, MO not included due to high CV.

2 year summary

Entry	Locations	Yield						Maturity date	Lodging score	Height in.	Seed			
		All		Infested		Non-infested					quality score	weight g/100	protein @13%	oil @13%
		bu/a	rank	bu/a	rank	bu/a	rank							
		28		21		7		24	27	27	28	28	16	16
1 IA3023		58.7	4	57.5	4	62.4	3	9/23	1.7	33.3	1.7	15.3	32.8	19.7
2 IA3048		64.0	3	65.0	3	60.9	4	0	2.1	34.7	1.8	14.9	34.5	19.2
3 LD07-3395bf		66.1	2	66.9	2	63.7	2	3	1.8	32.6	2.0	15.6	32.0	20.2
7 LD11-2170		68.3	1	68.9	1	66.2	1	-1	1.6	33.3	1.9	15.3	34.2	20.4

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Yield (bu/a)

SCN HG Type	West											Plain				
	Glenwood	Muscatine	Arthur	Urbana	West Lafayette	Manhattan	Clarkton	Novelty	Rock Port	Auburn	Columbus	City	Ottawa	Onaga	Portageville	Hoytville
	IA	IA	IL	IL	IN	KS	MO	MO	MO	NE	NE	OH	KS	KS	MO	OH
	1.2.5.7	2.5.7	2.5.7	2.5.7	I	I	2.5.7	2.5.7	2.5.7	2.5.7	0	I	NI	NI	NI	NI
1 IA3023	68.2	34.4	80.0	73.7	61.5	65.6	14.1	30.5	77.6	74.8	43.8	65.6	67.6	65.9	65.8	74.9
2 IA3048	64.0	49.2	81.2	81.3	62.7	67.6	21.8	74.9	72.1	60.6	73.1	63.1	66.5	66.8	55.6	75.3
3 LD07-3395bf	64.2	54.0	89.9	85.6	70.7	68.4	20.5	58.7	81.4	67.9	62.1	69.9	74.6	68.2	59.7	68.5
4 U11-920017	58.8	25.1	82.4	71.5	59.3	60.7	9.4	47.4	63.8	65.9	50.9	56.2	63.8	59.1	41.1	62.2
5 AR13-331019	62.3	55.6	72.3	73.7	64.0	65.2	11.5	55.9	72.7	61.3	64.1	61.7	67.5	61.4	51.2	66.6
6 AR13-331023	61.6	51.4	75.9	70.6	53.6	58.0	6.9	56.3	69.3	66.4	61.7	58.6	65.2	60.8	55.8	68.1
7 LD11-2170	68.8	50.1	90.2	84.2	64.3	71.0	19.0	76.3	79.0	75.9	77.4	70.6	73.7	70.3	69.4	80.6
8 LD12-1843	69.0	28.3	89.8	82.3	66.0	70.4	7.1	73.4	75.3	79.4	67.7	62.6	67.0	65.9	60.9	70.5
9 LD12-3903	71.8	40.4	94.2	92.9	78.1	60.2	13.7	83.8	87.6	74.4	73.4	65.4	71.8	66.4	62.5	72.0
10 LD12-12701a	65.4	48.3	74.7	73.5	60.6	59.2	6.6	72.1	75.9	66.7	57.4	65.0	62.1	60.7	52.7	71.7
Average	65.4	43.7	83.1	78.9	64.1	64.6	13.1	62.9	75.5	69.3	61.8	63.9	68.0	64.6	57.5	71.1
LSD(2-sided,.05)	9.3	12.0	8.9	7.1	7.1	7.2	13.5	6.1	11.9	9.4	37.9	9.1	5.9	7.5	10.3	13.1
C.V. %	6.3	12.2	5.4	4.4	7.8	6.5	49.6	5.6	9.2	5.4	21.9	8.1	5.0	6.7	8.6	12.0
Replications	2	2	2	2	3	3	3	3	3	2	2	3	3	3	3	3
Row spacing (in.)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30

Yield (rank)

SCN HG Type	West											Plain				
	Glenwood	Muscatine	Arthur	Urbana	West Lafayette	Manhattan	Clarkton	Novelty	Rock Port	Auburn	Columbus	City	Ottawa	Onaga	Portageville	Hoytville
	IA	IA	IL	IL	IN	KS	MO	MO	MO	NE	NE	OH	KS	KS	MO	OH
	1.2.5.7	2.5.7	2.5.7	2.5.7	I	I	2.5.7	2.5.7	2.5.7	2.5.7	0	I	NI	NI	NI	NI
1 IA3023	4	8	7	6	7	5	4	10	4	3	10	3	4	5	2	3
2 IA3048	7	5	6	5	6	4	1	3	8	10	3	6	7	3	7	2
3 LD07-3395bf	6	2	3	2	2	3	2	6	2	5	6	2	1	2	5	7
4 U11-920017	10	10	5	9	9	7	7	9	10	8	9	10	9	10	10	10
5 AR13-331019	8	1	10	6	5	6	6	8	7	9	5	8	5	7	9	9
6 AR13-331023	9	3	8	10	10	10	9	7	9	7	7	9	8	8	6	8
7 LD11-2170	3	4	2	3	4	1	3	2	3	2	1	1	2	1	1	1
8 LD12-1843	2	9	4	4	3	2	8	4	6	1	4	7	6	5	4	6
9 LD12-3903	1	7	1	1	1	8	5	1	1	4	2	4	3	4	3	4
10 LD12-12701a	5	6	9	8	8	9	10	5	5	6	8	5	10	9	8	5

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Maturity

SCN HG Type	West											Plain				
	Glenwood	Muscatine	Arthur	Urbana	Lafayette	Manhattan	Clarkton	Novelty	Rock Port	Auburn	Columbus	City	Ottawa	Onaga	Portageville	Hoytville
	IA	IA	IL	IL	IN	KS	MO	MO	MO	NE	NE	OH	KS	KS	MO	OH
	1.2.5.7	2.5.7	2.5.7	2.5.7	I	I	2.5.7	2.5.7	2.5.7	2.5.7	0	I	NI	NI	NI	NI
1 IA3023	9/30		9/23	9/18	9/26	9/28	9/8	9/20	10/10		9/19	10/2	9/24	9/21	9/12	10/7
2 IA3048	-6		-2	1	-1	0	2	3	-1		3	-4	1	-1	-3	1
3 LD07-3395bf	-1		1	5	-1	1	5	3	0		8	0	4	1	1	4
4 U11-920017	4		-6	-5	-1	-8	-12	1	-1		0	-10	-6	-7	-12	-8
5 AR13-331019	-6		3	8	8	0	1	4	-1		7	1	3	3	0	4
6 AR13-331023	-3		1	6	0	-1	1	1	0		6	-1	3	-1	-1	3
7 LD11-2170	-3		-3	1	0	-4	1	1	-1		1	-6	-1	-4	-3	-1
8 LD12-1843	-1		3	7	3	1	-1	2	0		4	-1	0	0	0	2
9 LD12-3903	-6		1	6	0	0	1	3	-1		7	-1	3	1	0	3
10 LD12-12701a	-2		-7	-4	-2	-8	-5	1	-1		1	-6	-4	-6	-8	0
Planted	5/18	4/25	5/18	5/21	5/24	6/2	5/13	5/24	6/2	6/6	5/19	5/16	6/6	5/10	5/9	5/28

Lodging (score)

SCN HG Type	West											Plain				
	Glenwood	Muscatine	Arthur	Urbana	Lafayette	Manhattan	Clarkton	Novelty	Rock Port	Auburn	Columbus	City	Ottawa	Onaga	Portageville	Hoytville
	IA	IA	IL	IL	IN	KS	MO	MO	MO	NE	NE	OH	KS	KS	MO	OH
	1.2.5.7	2.5.7	2.5.7	2.5.7	I	I	2.5.7	2.5.7	2.5.7	2.5.7	0	I	NI	NI	NI	NI
1 IA3023	2.3	2.3	3.3	2.3	1.2	2.3	1.0	1.7	1.7		2.0	1.2	2.0	1.3	2.7	1.0
2 IA3048	2.8	1.8	3.3	2.8	2.3	3.0	1.0	3.7	2.2		3.5	1.2	3.0	1.3	2.3	1.0
3 LD07-3395bf	3.3	1.8	3.3	2.8	2.0	2.0	1.0	4.2	2.2		2.0	1.2	2.3	1.0	2.3	1.0
4 U11-920017	3.5	2.0	2.0	2.0	2.5	1.7	1.0	2.7	1.5		1.0	1.4	1.3	1.0	2.7	1.0
5 AR13-331019	3.5	3.0	4.3	3.5	4.3	3.3	1.0	4.2	2.8		4.0	2.9	3.3	3.0	3.7	2.0
6 AR13-331023	3.8	2.5	4.3	4.0	3.7	3.3	1.0	4.3	2.3		3.5	2.3	3.3	3.0	3.3	1.7
7 LD11-2170	2.8	2.0	2.0	1.8	1.2	2.0	1.0	3.8	1.7		1.0	1.3	2.3	1.0	2.0	1.0
8 LD12-1843	2.8	2.3	3.3	2.3	1.5	2.3	1.0	3.7	1.5		2.5	1.2	2.0	1.3	2.3	1.0
9 LD12-3903	2.3	2.0	2.3	1.8	1.2	1.0	1.0	2.0	1.5		1.0	1.2	1.0	1.0	2.3	1.0
10 LD12-12701a	3.8	2.0	2.8	3.0	3.7	3.0	1.0	4.0	2.0		1.5	1.2	3.0	1.3	3.0	1.0

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Height (inches)

SCN HG Type	West											Plain				
	Glenwood	Muscatine	Arthur	Urbana	Lafayette	Manhattan	Clarkton	Novelty	Rock Port	Auburn	Columbus	City	Ottawa	Onaga	Portageville	Hoytville
	IA	IA	IL	IL	IN	KS	MO	MO	MO	NE	NE	OH	KS	KS	MO	OH
	1.2.5.7	2.5.7	2.5.7	2.5.7	I	I	2.5.7	2.5.7	2.5.7	2.5.7	0	I	NI	NI	NI	NI
1 IA3023	47	23	40	42	44	43	25	41	39		37	29	36	36	35	32
2 IA3048	48	26	45	42	42	44	25	42	42		41	33	37	37	32	29
3 LD07-3395bf	44	23	40	38	42	40	22	39	40		33	30	37	35	32	27
4 U11-920017	44	17	39	39	41	38	20	38	36		30	30	35	33	29	26
5 AR13-331019	53	33	52	50	52	53	26	54	56		42	43	50	50	40	42
6 AR13-331023	54	28	48	47	52	54	26	47	51		44	37	49	48	39	39
7 LD11-2170	45	21	43	41	39	41	23	38	39		38	29	36	36	33	29
8 LD12-1843	50	23	45	44	45	45	22	42	40		39	31	37	38	37	31
9 LD12-3903	45	23	41	39	43	37	23	39	35		37	29	34	32	32	28
10 LD12-12701a	46	24	44	42	44	41	21	39	43		33	31	38	37	35	28

Seed Quality (score)

SCN HG Type	West											Plain				
	Glenwood	Muscatine	Arthur	Urbana	Lafayette	Manhattan	Clarkton	Novelty	Rock Port	Auburn	Columbus	City	Ottawa	Onaga	Portageville	Hoytville
	IA	IA	IL	IL	IN	KS	MO	MO	MO	NE	NE	OH	KS	KS	MO	OH
	1.2.5.7	2.5.7	2.5.7	2.5.7	I	I	2.5.7	2.5.7	2.5.7	2.5.7	0	I	NI	NI	NI	NI
1 IA3023	2.0	2.0	1.0	1.0	1.0	2.0	2.3	1.7	1.8	2.0	1.0	1.4	3.0	2.0	1.7	1.0
2 IA3048	1.0	1.0	2.0	2.0	1.0	2.0	2.3	1.5	1.5	2.0	1.0	1.9	2.0	3.0	1.7	2.0
3 LD07-3395bf	2.0	2.0	2.0	2.0	1.5	2.0	3.7	1.5	2.3	2.0	1.0	2.4	3.0	3.0	2.7	1.0
4 U11-920017	2.0	2.0	2.0	2.0	2.0	3.0	2.3	1.5	1.7	2.0	2.0	1.3	3.0	3.0	3.0	1.0
5 AR13-331019	2.0	2.0	2.0	2.0	1.5	3.0	2.3	1.7	2.7	2.0	1.0	2.9	3.0	3.0	2.5	2.0
6 AR13-331023	2.0	2.0	2.0	2.0	1.5	3.0	2.3	2.3	2.2	2.0	1.0	2.4	3.0	3.0	2.7	1.0
7 LD11-2170	2.0	2.0	2.0	2.0	1.0	2.0	2.7	3.0	2.0	1.0	1.0	1.6	2.0	3.0	2.0	1.0
8 LD12-1843	2.0	2.0	2.0	2.0	1.5	2.0	2.0	1.5	1.5	2.0	1.0	1.8	3.0	4.0	2.0	1.0
9 LD12-3903	1.0	1.0	2.0	2.0	1.0	2.0	2.3	1.7	2.0	1.0	1.0	1.6	2.0	3.0	2.0	1.0
10 LD12-12701a	2.0	2.0	2.0	2.0	1.5	3.0	3.3	1.5	2.8	1.0	1.0	1.9	3.0	3.0	2.3	2.0

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Seed Weight (g/100)

SCN HG Type	West											Plain				
	Glenwood	Muscatine	Arthur	Urbana	Lafayette	Manhattan	Clarkton	Novelty	Rock Port	Auburn	Columbus	City	Ottawa	Onaga	Portageville	Hoytville
	IA	IA	IL	IL	IN	KS	MO	MO	MO	NE	NE	OH	KS	KS	MO	OH
	1.2.5.7	2.5.7	2.5.7	2.5.7	I	I	2.5.7	2.5.7	2.5.7	2.5.7	0	I	NI	NI	NI	NI
1 IA3023	14.6	14.6	15.4	15.2	14.1	17.4	10.8	11.5	17.6	16.5	12.9	17.5	18.1	16.2	14.2	17.2
2 IA3048	13.7	13.7	14.8	15.9	15.2	16.0	11.1	13.9	16.0	13.6	13.7	16.1	16.1	13.9	11.4	17.7
3 LD07-3395bf	15.8	15.8	15.4	16.4	16.6	16.1	11.4	13.7	17.7	15.3	15.6	16.7	18.0	15.0	13.1	17.9
4 U11-920017	15.1	15.1	15.7	16.8	17.2	16.6	10.2	15.1	17.2	16.5	15.1	16.9	16.8	17.3	14.8	18.0
5 AR13-331019	14.1	14.1	12.9	13.2	14.0	14.1	10.0	11.4	14.1	13.6	11.7	14.0	14.1	12.7	10.5	15.2
6 AR13-331023	14.3	14.3	14.2	15.7	14.4	15.4	10.5	13.2	16.6	15.3	13.6	16.8	15.9	13.9	12.7	17.9
7 LD11-2170	14.4	14.4	16.1	15.3	15.6	16.1	10.9	14.7	17.4	15.6	14.2	16.7	17.3	15.5	13.6	17.3
8 LD12-1843	16.7	16.7	16.8	17.6	17.7	16.2	11.4	15.7	18.4	17.4	15.6	18.6	17.7	17.1	15.2	19.8
9 LD12-3903	15.5	15.5	16.9	17.8	17.5	15.8	11.4	15.2	18.3	17.3	13.6	18.6	19.7	17.0	14.4	17.9
10 LD12-12701a	13.0	13.0	15.5	15.8	16.7	14.6	11.1	14.3	15.9	14.9	14.3	16.3	15.6	15.8	12.6	18.5

Protein (%)

SCN HG Type	West											Plain				
	Glenwood	Muscatine	Arthur	Urbana	Lafayette	Manhattan	Clarkton	Novelty	Rock Port	Auburn	Columbus	City	Ottawa	Onaga	Portageville	Hoytville
	IA	IA	IL	IL	IN	KS	MO	MO	MO	NE	NE	OH	KS	KS	MO	OH
	1.2.5.7	2.5.7	2.5.7	2.5.7	I	I	2.5.7	2.5.7	2.5.7	2.5.7	0	I	NI	NI	NI	NI
1 IA3023	30.8						32.8	33.4	32.8	31.3	33.1	32.4				32.6
2 IA3048	33.1						34.4	35.3	35.7	34.3	33.9	33.6				32.5
3 LD07-3395bf	30.6						33.3	32.5	32.3	29.6	32.9	32.4				30.3
4 U11-920017	31.0						31.9	32.3	31.5	29.5	33.2	29.9				30.3
5 AR13-331019	32.8						35.0	34.9	35.5	33.9	33.8	34.0				31.5
6 AR13-331023	33.6						33.6	36.9	34.3	34.5	34.5	32.9				33.5
7 LD11-2170	32.6						33.4	34.2	35.6	34.6	34.2	34.1				31.9
8 LD12-1843	34.7						34.7	34.5	36.7	35.0	36.0	35.6				35.1
9 LD12-3903	34.0						33.6	33.4	33.3	33.4	32.7	32.7				33.8
10 LD12-12701a	35.0						34.1	33.8	34.5	33.8	34.7	32.7				33.4

2016 SCN UNIFORM TEST III

Oil (%)

SCN HG Type	Oil (%)															
	West											Plain				
	Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Lafayette IN	Manhattan KS	Clarkton MO	Novelty MO	Rock Port MO	Auburn NE	Columbus NE	City OH	Ottawa KS	Onaga KS	Portageville MO	Hoytville OH
	1.2.5.7	2.5.7	2.5.7	2.5.7	I	I	2.5.7	2.5.7	2.5.7	2.5.7	0	I	NI	NI	NI	NI
1 IA3023	18.5						21.5	20.0	19.6	19.7	19.9	19.7				20.3
2 IA3048	17.2						20.8	19.4	18.5	18.4	19.0	20.0				20.9
3 LD07-3395bf	18.7						21.3	20.1	19.5	20.9	20.0	20.2				20.9
4 U11-920017	19.1						22.7	21.0	20.3	21.1	19.7	22.2				22.2
5 AR13-331019	17.9						19.8	19.4	19.3	19.7	19.5	18.9				20.2
6 AR13-331023	17.6						21.4	19.1	19.6	19.2	18.9	20.3				19.5
7 LD11-2170	18.6						22.7	20.4	19.8	20.0	19.5	20.6				21.9
8 LD12-1843	17.5						21.9	20.3	19.2	18.8	18.6	19.9				19.8
9 LD12-3903	18.1						22.2	19.6	20.4	19.4	19.7	20.5				20.3
10 LD12-12701a	17.3						21.3	20.3	19.1	19.9	18.7	21.0				20.9