Table 1. Soybean variety trial results from varieties with Enlist, GT27, RR and Xtend traits, Central Locations in North Dakota. Data from C. Miranda, G. Kreutz, and B. Harms.

Soybean Enlist, GT27, RR and Xtend **Central Locations in North Dakota**

Brand	Variety	Herbicide Trait	Maturity Group	Maturity[1,2] date	Days to Maturity	Plant Height	Oil	Protein	Yield			
									Arthur[2]	Galesburg	2-site Avg.	2-yr. Avg.
					(days)*	(inch)	(%)	(%)	----------(bu/a)----------			
BASF	XO 0094E	Enlist E3	0	9/20	112	28	18.3	34.4	18.3	53.6	35.9	39.4
BASF	XO 0234E	Enlist E3	0.2	9/22	114	27	17.9	35.9	23.1	51.7	37.4	43.4
Legacy	LS012-23 E	Enlist E3	0.1	9/23	114	28	17.6	36.2	24.5	57.9	41.2	46.9
Legacy	LS014-23 XF	RR2XF	0.1	9/19	111	29	18.9	33.6	19.0	46.3	32.6	40.5
Legacy	LS022-24 E	Enlist E3	0.2	9/20	112	30	17.9	35.5	22.5	54.6	38.6	--
Legacy	LS024-23 XF	RR2XF	0.2	9/20	111	29	19.2	35.5	17.4	49.6	33.5	37.0
Legacy	LS032-23E	Enlist E3	0.3	9/22	113	28	18.2	35.2	20.9	53.4	37.1	44.7
NDSU	ND17009GT	GT	00.9	9/19	111	34	18.3	37.3	17.2	47.1	32.1	35.5
NDSU	ND21008GT20	GT	00.8	9/15	107	29	18.3	35.2	10.7	41.2	26.0	29.0
NDSU	ND2108GT73	GT	0.8	9/28	119	29	18.7	35.0	11.0	54.9	32.9	32.0
Proseed	EL40-33N	Enlist E3	0.3	9/23	115	28	18.1	35.0	30.7	54.2	42.5	47.6
Proseed	EL50-13N	Enlist E3	0.1	9/19	111	28	17.8	35.7	28.6	52.3	40.4	--
Proseed	EL50-33N	Enlist E3	0.3	9/22	113	27	18.5	33.9	23.5	56.8	40.1	--
Mean				9/20	112	29	18.3	35.3	20.6	51.8	36.2	39.6
C.V. %				10.9	2.0	9.4	1.2	1.1	44.4	11.7	21.3	--
LSD 5%				0.8	1	5	0.4	0.6	14.5	9.8	2.9	--

Arthur Planted: June 10. Harvested: Oct 1. Previous crop: Corn.

Galesburg Planted: May 22. Harvested: Oct 4. Previous crop: Corn.

[1] *Maturity is date of 95% brown or tan pods.*

[2] *Arthur was affected by external factors that affected plant performance and resulted in higher CV*

Arthur was excluded from plant height due to stunted plants, high CV

Arthur was excluded from protein and oil due to lack of sufficient seed amount

Table 2. Soybean variety trial results from Conventional Varieties and Liberty Link Soybean Varieties, Central Locations in North Dakota. Data from C. Miranda, G. Kreutz, and B. Harms.

Soybean Conventional and Liberty Link									**Central Locations in North Dakota**		
		Maturity	Maturity[1]	Days to	Plant			Yield			
Brand	Variety	Group	date	Maturity	Height	Oil	Protein	Arthur[2]	Galesburg	2-site Avg.	2-yr. Avg.
				(days)*	(inch)	(%)	(%)	----------(bu/a)----------			
NDSU	ND Benson	0.4	9/20	112	21	17.9	37.6	12.0	38.5	25.3	32.5
NDSU	ND Dickey	0.7	9/23	114	23	18.0	35.4	20.7	50.3	35.5	40.7
NDSU	ND Rolette	00.9	9/16	108	20	18.7	35.3	12.4	34.0	23.2	29.3
Peterson	AYA	0.7	9/22	114	24	16.8	38.0	28.7	33.4	31.1	--
Peterson	Hana	0.9	9/17	109	24	16.8	39.3	21.4	35.7	28.5	33.6
Proseed	PC 50-099	0.9	9/17	109	30	17.5	37.7	24.8	36.0	30.4	--
Richland	MK009	00.9	9/19	110	23	17.6	34.6	18.9	33.6	26.2	29.3
Richland	MK0249	0.2	9/20	111	18	18.2	34.9	8.8	26.8	17.8	22.7
Mean			9/19	111	23	17.7	36.6	18.5	36.0	27.3	31.3
C.V. %			7.75	1.4	11.1	1.8	2.2	31.0	16.8	21.3	--
LSD 5%			0.64	1	4	0.6	1.4	8.4	10.4	2.4	--

Arthur Planted: June 10. Harvested: Oct 1. Previous crop: Corn.
Galesburg Planted: May 22. Harvested: Oct 4. Previous crop: Corn.
[1] Maturity is date of 95% brown or tan pods.
[2] Arthur was affected by external factors that affected plant performance and resulted in higher CV. Arthur was excluded from plant height due to stunted plants, high CV. Arthur was excluded from protein and oil due to lack of sufficient seed amount
** Days after planting*

Table 3. Soybean variety trial results from Conventional Varieties and Liberty Link Soybean Varieties, Southern Locations in North Dakota. Data from C. Miranda, G. Kreutz, and B. Harms.

Soybean Conventional and Liberty Link										**Southern Locations in North Dakota**	
		Maturity	Maturity[1]	Days to	Plant	Seed	Seed	Yield			
Brand	Variety	Group	(date)	Maturity	Height	Oil	Protein	Antelope[2]	Milnor	2-site Avg.	2-yr. Avg.
				(days)*	(inch)	(%)	(%)	----------(bu/a)----------			
NDSU	ND Benson	0.4	9/19	114	29	18.7	36.1	36.2	33.8	48.1	47.4
NDSU	ND Dickey	0.7	9/25	120	27	18.9	34.0	32.5	32.8	46.8	47.3
NDSU	ND Rolette	00.9	9/16	111	26	19.6	33.7	28.9	30.3	39.3	40.6
Peterson	AYA	0.7	9/23	118	29	18.0	36.3	29.0	33.7	40.4	--
Peterson	WILMA	1.0	9/29	124	29	18.2	35.6	33.9	36.5	46.1	--
Peterson	ZETA	1.3	10/1	126	29	19.6	34.3	32.6	36.0	50.8	--
Proseed	PC 50-59	0.5	9/24	119	29	17.7	36.6	32.4	34.3	45.9	--
Proseed	PC 50-89	0.8	9/27	122	32	18.3	35.5	49.0	37.8	57.8	--
Richland	MK0603	0.6	9/22	117	28	17.5	34.5	32.2	35.3	45.1	42.8
Richland	MK1023	1.0	9/24	119	28	18.5	33.3	29.7	34.5	43.8	44.3
Richland	MK146	1.1	9/30	125	29	18.4	36.6	46.0	33.2	53.9	50.0
Richland	MK41	1.1	9/21	116	31	17.8	36.8	42.2	37.8	50.6	47.9
Richland	MK808CN	0.8	9/27	122	27	20.2	33.3	29.5	32.5	45.7	47.8
Mean			9/24	119	29	18.6	35.1	34.9	34.5	47.3	46.0
C.V. %			9.4	1.9	8.2	1.2	1.1	15.8	8.0	12.0	--
LSD 5%			0.8	1	1	0.1	0.1	8.8	4.5	2.0	--

Antelope Planted: May 31. Harvested: Oct 5. Previous crop: Corn.
Milnor Planted: May 29. Harvested: Oct 6. Previous crop: Soybean.
[1] Maturity is date of 95% brown or tan pods.
[2] Antelope was affected by excessive soil moisture in early stages of the crop, resulting
** Days after planting*

Table 4. Soybean variety trial results from varieties with NDSU Enlist, GT27, RR and Xtend traits, Southern Locations in North Dakota. Data from, C. Miranda, G. Kreutz, and B. Harms.

Soybean Enlist, GT27, RR and Xtend **Southern Locations in North Dakota**

									Yield			
Brand	Variety	Trait	Maturity Group	Maturity[1] date	Days to Maturity	Plant Height	Oil	Protein	Antelope[2]	Milnor	2-site Avg.	2-yr. Avg.
					(days)*	(inch)	(%)	(%)	----------(bu/a)----------			
BASF	XO 0554E	Enlist E3	0.5	9/29	124	23	19.3	34.2	36.9	67.9	52.4	55.2
BASF	XO 0602E	Enlist E3	0.6	9/28	123	23	18.5	34.7	36.6	57.5	47.0	54.4
BASF	XO 0731E	Enlist E3	0.7	10/1	126	24	18.9	35.0	34.8	67.1	51.0	54.8
BASF	XO 0993E	Enlist E3	0.9	9/30	125	24	19.8	33.0	36.2	61.2	48.7	55.1
BASF	XO 1372	Enlist E3	1.3	9/33	128	23	20.3	33.1	27.4	56.7	42.1	52.4
Legacy	LS044-23 XF	XtendFlex	0.4	9/23	118	25	19.2	34.7	31.6	65.3	48.5	50.2
Legacy	LS052-23E	Enlist E3	0.5	9/26	121	27	19.4	33.9	42.8	66.9	54.9	58.0
Legacy	LS052-24 E	Enlist E3	0.5	9/24	119	24	20.2	32.9	42.2	57.9	50.0	--
Legacy	LS074-22 XF	XtendFlex	0.7	9/30	125	22	19.1	33.8	17.3	53.2	35.3	46.1
Legacy	LS082-24	Enlist E3	0.8	9/27	122	27	19.8	33.6	49.4	61.6	55.5	--
Legacy	LS094-24 XF	XtendFlex	0.9	9/30	125	25	18.7	35.3	27.2	56.6	41.9	--
Legacy	LS102-22 E	Enlist E3	1.0	10/2	127	25	19.0	34.9	39.5	57.4	48.5	56.3
Legacy	LS104-24 XF	XtendFlex	1.0	9/29	124	28	19.4	33.5	38.4	61.3	49.9	--
Legacy	LS124-23 XF	XtendFlex	1.2	9/29	124	26	19.4	34.5	48.5	58.9	53.7	56.3
Legacy	LS132-24 E	Enlist E3	1.3	9/30	125	26	20.2	34.3	39.8	66.1	52.9	--
NDSU	ND17009GT	GT	00.9	9/20	115	25	18.5	36.5	21.8	35.4	28.6	38.9
NDSU	ND21008GT20	GT	00.8	9/17	112	20	19.4	33.7	18.1	36.0	27.1	33.7
NDSU	ND2108GT73	GT	0.8	9/30	125	22	18.8	34.2	20.4	56.9	38.7	47.0
NK Seeds	NK04-A9E3	Enlist E3	0.4	9/25	120	22	19.3	34.0	34.6	58.7	46.7	--
NK Seeds	NK06-A1E3	Enlist E3	0.6	9/25	120	25	19.9	33.7	44.4	61.2	52.8	--
NK Seeds	NK06-C4XF	XtendFlex	0.6	9/24	119	25	18.5	33.4	37.0	68.0	52.5	--
NK Seeds	NK07-G5E3	Enlist E3	0.7	9/26	121	24	19.2	33.4	41.2	64.6	52.9	57.9
NK Seeds	NK08-R3XF	XtendFlex	0.8	9/30	125	25	19.2	35.1	28.3	61.3	44.8	--
NK Seeds	NK08-Z4E3	Enlist E3	0.8	9/28	123	26	17.9	35.4	35.5	64.9	50.2	--
Proseed	EL50-73N	Enlist E3	0.7	10/1	126	24	19.3	32.8	38.5	57.1	47.8	--
Proseed	EL51-03N	Enlist E3	1.0	10/1	126	26	19.4	34.9	39.7	61.3	50.5	--
Proseed	EL51-33N	Enlist E3	1.3	10/1	126	28	18.7	34.7	43.8	60.9	52.4	--
Proseed	XF50-52N	XtendFlex	0.5	9/26	121	24	18.3	35.8	32.8	56.9	44.9	--
Proseed	XF50-62N	XtendFlex	0.6	9/24	119	27	20.7	31.5	44.2	55.7	50.0	--
Proseed	XF50-82N	XtendFlex	0.8	9/24	119	23	19.5	34.0	31.5	59.5	45.5	--
Proseed	XF51-02N	XtendFlex	1.0	9/30	125	29	19.3	33.7	35.0	62.0	48.5	--
Mean				10/1	122	25	19.3	34.1	35.3	59.2	47.3	51.1
C.V. %				11.3	2.4	10.2	1.4	1.5	29.2	14.2	19.8	--
LSD 5%				0.8	1	1	0.1	0.1	15.8	12.9	2.3	--

Antelope Planted: June 6. Harvested: Oct 16. Previous crop: Corn.

Milnor Planted: May 14. Harvested: Sep 28. Previous crop: Soybean.

[1] *Maturity is date of 95% brown or tan pods.*

[2] *Antelope was affected by excessive soil moisture in early stages of the crop, resulting*

ND17009GT, ND2108GT73, LS074-22 XF had missing Seed Oil and Protein data from Antelope, so only Milnor averages were used