



2017 Replicated Yield Trials

**Minnesota, Iowa,
and
South Dakota Locations**

211 Main Street West
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October, 2017

Galena Genetics LLC is pleased to present to you our 2017 yield trials.

As you build your 2018 budget, compare the price of Galena Genetics seed to that of our competitors' GMO varieties. Then compare yields. You'll be dollars ahead by planting Galena Genetics seed in 2018.

Take time to look through our replicated yield trials. Compare. Call us and ask questions. We look forward to sharing our story with you. Galena Genetics soybeans are yield competitive and add dollars to your operation's bottom line.

We stand ready to serve you and your farming operation.

Sincerely,

Joel Rabbe
President



2018 Variety Characteristics

Variety		16G15	18G15	19G16	19G17	20G15	20G16	20G17	21G15B	21G17	22G16	23G15
Technology Traits		CONV.	CONV.	CONV.	CONV.	CONV.	CONV.	CONV.	CONV.	CONV.	CONV.	CONV.
Genetically Modified		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Maturity		1.6	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.3
Emergence		1.1	1.1	1.2	1.5	1.2	1.2	1.2	1.3	1.5	1.2	1.2
Shattering	Ratings: 1.0 Excellent; 5.0 Poor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Standability		1.9	1.9	1.8	1.7	2.1	2.2	1.4	2.3	2.1	2.0	2.7
Iron Deficiency Chlorosis (IDC)		3.2	3.3	2.3	3.5	3.0	3.2	2.8	3.0	2.6	2.9	3.2
Phytophthora Root Rot (PRR)		2.2	2.2	2.1	2.5	1.0	2.3	2.0	2.5	2.4	2.2	1.0
Sudden Death Syndrome (SDS)		3.0	2.8	3.0	1.3	1.5	2.5	2.5	2.0	2.8	1.3	1.8
Soybean Cyst Nematode (SCN) Race 3		R	R	R	MS	R	R	R	R	MS	R	R
Soybean Cyst Nematode (SCN) Source		88788	88788	88788	88788	88788	88788	Peking	88788-Peking	88788	88788	88788
Plant Height		Medium Short	Medium	Medium	Medium	Medium Tall	Medium	Medium	Medium Tall	Medium Tall	Medium Tall	Medium Tall
Canopy Width		Bushy	Bushy	Bushy	Bushy	Full	Bushy	Full	Full	Full	Full	Full
Protein	% DM	42.8	41.9	43.1	43.2	43.3	43.6	40.8	41.3	42.3	44.9	44.0
Oil	% DM	19.9	19.8	18.9	19.6	19.3	19.2	18.4	20.1	18.8	19.6	19.9
Seeds/lb. (Range)		2950	2765	2750	2550	2650	2760	2500	2905	2525	2600	2450
Hilum Color		Imp. Black	Yellow	Imp. Black	Yellow	Yellow	Gray	Yellow- Buff	Buff	Yellow	Gray	Yellow
Flower Color		Purple	Purple	White	White	Purple	White	Purple	White- Purple	Purple	Purple	Purple
Pubescence Color		Gray	Gray	Gray	Gray	Tawny	Gray	Gray	Gray	Gray	Gray	Tawny
Pod Color		Tan	Tan	Brown	Brown	Tan	Tan	Tan- Brown	Tan- Brown	Brown	Tan	Tan



ARCHER, IOWA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	54.78	23
Galena Genetics	18G15	50.36	25
Galena Genetics	18G15 x 19G04 blend EX	52.69	24
Galena Genetics	19G16	55.22	22
Pioneer	19T78	60.70	11
Galena Genetics	19G17	55.41	21
Galena Genetics	20G15	62.39	5
Stine	20RD20	61.55	9
Galena Genetics	20G16	63.66	3
Prairie Brand	2024	61.76	8
Galena Genetics	20G17	62.60	4
Asgrow	2035	62.39	5
Galena Genetics	21G15B	56.49	19
Galena Genetics	21G15	55.65	20
Galena Genetics	21G17	58.75	17
Galena Genetics	21G17 x 22G16 blend EX	60.64	12
Galena Genetics	22G16	61.27	10
Galena Genetics	22E172 EX	60.43	13
Pioneer	22T69	58.75	17
Galena Genetics	23G15	62.10	7
Galena Genetics	23E171 EX	60.01	15
Galena Genetics	23E172 EX	59.60	16
Galena Genetics	23E173 EX	60.43	13
Galena Genetics	24E171 EX	65.04	2
Galena Genetics	25E171 EX	66.07	1

Average Plot Yield 59.55

Plot Location Summit Township, O'Brien County, Archer, Iowa
 Cooperator Randy Vandersluis
 Planting Date May 12, 2017
 Harvest Date October 16-17, 2017



CYLINDER, IOWA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	64.95	11
Prairie Brand	1787R2	71.10	3
Galena Genetics	18G15	62.20	18
Galena Genetics	18G15 x 19G04 blend EX	67.48	8
Stine	Liberty Link	63.46	14
Galena Genetics	19G16	62.42	17
Pioneer	19T78	72.27	2
Galena Genetics	19G17	70.43	6
Galena Genetics	20G15	67.72	7
Galena Genetics	20G16	70.68	5
Galena Genetics	20G17	66.87	9
Prairie Brand	2024	71.10	3
Galena Genetics	21G15B	72.54	1
Galena Genetics	21G15	62.62	16
Galena Genetics	21G17	55.87	20
Galena Genetics	21G17 x 22G16 blend EX	62.84	15
Galena Genetics	22G16	63.68	12
Galena Genetics	22E172 EX	63.68	12
Pioneer	22T69	64.98	10
Galena Genetics	23G15	55.44	21
Galena Genetics	23E171 EX	51.82	24
Galena Genetics	23E172 EX	55.02	22
Galena Genetics	23E173 EX	49.94	25
Galena Genetics	24E171 EX	60.73	19
Galena Genetics	25E171 EX	52.90	23

Average Plot Yield 63.31

Plot Location Fairfield Township, Palo Alto County, Cylinder, Iowa
 Cooperator Randy Jacobs
 Planting Date May 13, 2017
 Harvest Date October 16, 2017



PATON, IOWA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	60.25	4
Galena Genetics	18G15	57.90	9
Galena Genetics	18G15 x 19G04 blend EX	54.60	15
Galena Genetics	19G16	51.48	20
Pioneer	19T78	55.93	12
Galena Genetics	19G17	62.52	2
Galena Genetics	20G15	56.48	11
Stine	20RD20	60.25	4
Galena Genetics	20G16	59.72	6
Prairie Brand	2024	59.31	7
Galena Genetics	20G17	60.46	3
Asgrow	2035	62.75	1
Galena Genetics	21G15B	57.82	10
Galena Genetics	21G15	52.97	17
Galena Genetics	21G17	48.34	23
Galena Genetics	21G17 x 22G16 blend EX	52.61	18
Galena Genetics	22G16	55.93	12
Galena Genetics	22E172 EX	52.14	19
Pioneer	22T69	58.70	8
Galena Genetics	23G15	49.29	22
Galena Genetics	23E171 EX	54.51	16
Galena Genetics	23E172 EX	55.45	14
Galena Genetics	23E173 EX	46.45	24
Galena Genetics	24E171 EX	50.93	21
Galena Genetics	25E171 EX	46.08	25

Average Plot Yield 55.31

Plot Location Dawson Township, Greene County, Paton, Iowa
 Cooperator Scott Jondle, Strategy Ag, Inc.
 Planting Date May 16, 2017
 Harvest Date October 20, 2017



BLUE EARTH, MINNESOTA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	57.73	17
Prairie Brand	1787R2	65.10	3
Galena Genetics	18G15	51.88	25
Galena Genetics	18G15 x 19G04 blend EX	55.41	24
Stine	Liberty Link	62.92	7
Galena Genetics	19G16	60.76	12
Pioneer	19T78	58.59	15
Galena Genetics	19G17	65.81	2
Galena Genetics	20G15	63.36	6
Galena Genetics	20G16	62.69	8
Galena Genetics	20G17	63.85	5
Prairie Brand	2024	62.47	9
Galena Genetics	21G15B	56.01	22
Galena Genetics	21G15	57.39	18
Galena Genetics	21G17	56.60	20
Galena Genetics	21G17 x 22G16 blend EX	59.81	14
Galena Genetics	22G16	56.40	21
Galena Genetics	22E172 EX	55.81	23
Pioneer	22T69	60.55	13
Galena Genetics	23G15	69.27	1
Galena Genetics	23E171 EX	57.24	19
Galena Genetics	23E172 EX	58.12	16
Galena Genetics	23E173 EX	64.16	4
Galena Genetics	24E171 EX	61.95	11
Galena Genetics	25E171 EX	61.99	10

Average Plot Yield 60.23

Plot Location Jo Daviess Township, Faribault County, Blue Earth, Minnesota
 Cooperator Neal Mensing
 Planting Date May 12, 2017
 Harvest Date October 12, 2017



FAIRMONT, MINNESOTA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	66.02	21
Prairie Brand	1787R2	67.02	19
Galena Genetics	18G15	64.37	23
Galena Genetics	18G15 x 19G04 blend EX	66.48	20
Stine	Liberty Link	68.69	16
Galena Genetics	19G16	70.01	13
Pioneer	19T78	73.08	4
Galena Genetics	19G17	72.36	6
Galena Genetics	20G15	73.20	3
Galena Genetics	20G16	72.57	5
Galena Genetics	20G17	74.03	2
Prairie Brand	2024	69.78	15
Galena Genetics	21G15B	71.06	8
Galena Genetics	21G15	74.63	1
Galena Genetics	21G17	69.88	14
Galena Genetics	21G17 x 22G16 blend EX	67.98	18
Galena Genetics	22G16	71.06	8
Galena Genetics	22E172 EX	70.11	12
Pioneer	22T69	68.21	17
Galena Genetics	23G15	70.35	11
Galena Genetics	23E171 EX	71.30	7
Galena Genetics	23E172 EX	70.58	10
Galena Genetics	23E173 EX	64.65	22
Galena Genetics	24E171 EX	63.48	24

Average Plot Yield 69.62

Plot Location Rutland Township, Martin County, Fairmont, Minnesota
 Cooperator Keith & Merle Gieseke
 Planting Date May 12, 2017
 Harvest Date October 13, 2017



READING, MINNESOTA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	58.19	6
Prairie Brand	1787R2	57.41	9
Galena Genetics	18G15	54.47	21
Galena Genetics	18G15 x 19G04 blend EX	54.47	21
Stine	Liberty Link	60.64	2
Galena Genetics	19G16	55.45	17
Pioneer	19T78	60.07	3
Galena Genetics	19G17	56.38	14
Galena Genetics	20G15	55.45	17
Galena Genetics	20G16	56.43	12
Galena Genetics	20G17	57.90	7
Prairie Brand	2024	56.43	12
Galena Genetics	21G15B	55.39	20
Galena Genetics	21G15	56.13	15
Galena Genetics	21G17	52.68	23
Galena Genetics	21G17 x 22G16 blend EX	56.13	15
Galena Genetics	22G16	58.88	4
Galena Genetics	22E172 EX	58.88	4
Pioneer	22T69	57.90	7
Galena Genetics	23G15	56.47	11
Galena Genetics	23E171 EX	57.41	9
Galena Genetics	23E172 EX	55.45	17
Galena Genetics	23E173 EX	51.70	24
Galena Genetics	24E171 EX	61.61	1
Galena Genetics	25E171 EX	50.63	25

Average Plot Yield 56.50

Plot Location Bloom Township, Nobles County, Reading, Minnesota
 Cooperator Alan Ahlers
 Planting Date May 15, 2017
 Harvest Date October 17, 2017



ROSE CREEK, MINNESOTA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	52.72	5
Prairie Brand	1787R2	49.81	19
Galena Genetics	18G15	48.08	25
Galena Genetics	18G15 x 19G04 blend EX	48.90	21
Stine	Liberty Link	51.87	8
Galena Genetics	19G16	52.30	7
Pioneer	19T78	48.68	22
Galena Genetics	19G17	53.89	1
Galena Genetics	20G15	50.24	18
Galena Genetics	20G16	52.84	4
Galena Genetics	20G17	53.02	2
Prairie Brand	2024	51.70	9
Galena Genetics	21G15B	52.55	6
Galena Genetics	21G15	50.85	15
Galena Genetics	21G17	52.99	3
Galena Genetics	21G17 x 22G16 blend EX	50.42	17
Galena Genetics	22G16	48.51	23
Galena Genetics	22E172 EX	51.29	12
Pioneer	22T69	51.52	11
Galena Genetics	23G15	49.81	19
Galena Genetics	23E171 EX	48.51	23
Galena Genetics	23E172 EX	51.54	10
Galena Genetics	23E173 EX	51.11	13
Galena Genetics	24E171 EX	50.50	16
Galena Genetics	25E171 EX	51.08	14

Average Plot Yield 50.99

Plot Location Windom Township, Mower County, Rose Creek, Minnesota
 Cooperator Ron Franck
 Planting Date May 13, 2017
 Harvest Date September 29, 2017



SHERBURN, MINNESOTA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	60.93	15
Prairie Brand	1787R2	65.92	3
Galena Genetics	18G15	58.25	20
Galena Genetics	18G15 x 19G04 blend EX	65.09	7
Stine	Liberty Link	62.12	12
Galena Genetics	19G16	61.46	14
Pioneer	19T78	65.85	5
Galena Genetics	19G17	64.52	8
Galena Genetics	20G15	67.41	2
Galena Genetics	20G16	60.05	16
Galena Genetics	20G17	65.14	6
Prairie Brand	2024	64.12	12
Galena Genetics	21G15B	69.96	1
Galena Genetics	21G15	65.88	4
Galena Genetics	21G17	50.55	25
Galena Genetics	21G17 x 22G16 blend EX	58.72	19
Galena Genetics	22G16	64.35	9
Galena Genetics	22E172 EX	59.55	17
Pioneer	22T69	64.29	11
Galena Genetics	23G15	64.30	10
Galena Genetics	23E171 EX	55.86	22
Galena Genetics	23E172 EX	57.48	21
Galena Genetics	23E173 EX	52.50	23
Galena Genetics	24E171 EX	59.07	18
Galena Genetics	25E171 EX	51.58	24

Average Plot Yield 61.40

Plot Location Manyaska Township, Martin County, Sherburn, Minnesota
 Cooperator David Breneman
 Planting Date May 11, 2017
 Harvest Date October 11, 2017



DANTE, SOUTH DAKOTA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	56.57	5
Galena Genetics	18G15	56.49	6
Galena Genetics	18G15 x 19G04 blend EX	55.71	11
Galena Genetics	19G16	56.10	9
Galena Genetics	19G17	60.83	2
Pioneer	19T78	61.50	1
Galena Genetics	20G15	51.14	22
Galena Genetics	20G16	56.49	6
Galena Genetics	20G17	59.99	3
Prairie Brand	2024	54.54	14
Galena Genetics	21G15B	52.98	18
Galena Genetics	21G15	54.93	13
Galena Genetics	21G17	55.32	12
Galena Genetics	21G17 x 22G16 blend EX	56.10	9
Galena Genetics	22G16	56.49	6
Galena Genetics	22E172 EX	52.98	18
Pioneer	22T69	52.20	20
Galena Genetics	23G15	48.70	25
Galena Genetics	23E171 EX	50.25	23
Galena Genetics	23E172 EX	51.42	21
Galena Genetics	23E173 EX	49.48	24
Galena Genetics	24E171 EX	54.15	15
Prairie Brand	2419	54.05	17
Galena Genetics	25E171 EX	54.15	15
Asgrow	2733	58.75	4

Average Plot Yield 54.85

Plot Location Lone Tree Township, Charles Mix County, Dante, South Dakota
 Cooperator Steve Ratzloff
 Planting Date May 26, 2017
 Harvest Date October 19, 2017



FAULKTON, SOUTH DAKOTA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	37.55	10
NK	1417	36.50	14
Asgrow	1733	30.63	27
Galena Genetics	18G15	33.14	25
Galena Genetics	18G15 x 19G04 blend EX	32.72	26
Galena Genetics	19G16	34.40	22
Galena Genetics	19G17	36.70	13
Pioneer	19T78	37.97	7
Galena Genetics	20G15	36.92	11
Galena Genetics	20G16	33.98	24
Prairie Brand	2024	35.44	19
NK	20T6	38.81	4
Galena Genetics	20G17	39.44	1
Galena Genetics	21G15B	34.40	22
Galena Genetics	21G15	38.18	6
Galena Genetics	21G17	37.76	8
Galena Genetics	21G17 x 22G16 blend EX	39.44	1
Galena Genetics	22G16	35.66	18
Galena Genetics	22E172 EX	37.76	8
Pioneer	22T69	36.92	11
Galena Genetics	23G15	38.60	5
Galena Genetics	23E171 EX	36.50	14
Galena Genetics	23E172 EX	35.05	20
Galena Genetics	23E173 EX	36.50	14
Galena Genetics	24E171 EX	36.50	14
Asgrow	2433	34.44	21
Galena Genetics	25E171 EX	39.42	3

Average Plot Yield 36.35

Plot Location Faulkton Township, Faulk County, Faulkton, South Dakota
 Cooperator Marvin Beidler
 Planting Date May 25, 2017
 Harvest Date October 18, 2017



IROQUOIS, SOUTH DAKOTA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	56.30	10
Dyna Grow	12RY44	55.92	13
Dyna Grow	17RY406	57.53	7
Asgrow	1733	56.75	9
Galena Genetics	18G15	57.72	6
Galena Genetics	18G15 x 19G04 blend EX	52.69	20
Galena Genetics	19G16	52.69	21
Galena Genetics	19G17	60.43	1
Pioneer	19T78	57.92	5
Galena Genetics	20G15	57.46	8
Galena Genetics	20G16	54.62	15
Galena Genetics	20G17	58.11	4
Prairie Brand	2024	56.17	11
Galena Genetics	21G15B	55.78	14
Galena Genetics	21G15	60.05	2
Galena Genetics	21G17	58.62	3
Galena Genetics	21G17 x 22G16 blend EX	56.17	12
Galena Genetics	22G16	51.76	23
Galena Genetics	22E172 EX	52.16	22
Pioneer	22T69	54.60	16
Galena Genetics	23G15	53.14	18
Galena Genetics	23E171 EX	53.48	17
Galena Genetics	23E173 EX	52.97	19
Galena Genetics	23E172 EX	50.15	25
Galena Genetics	24E171 EX	50.20	24
Asgrow	2433	42.77	26
Average Plot Yield		54.85	

Plot Location Cavour Township, Beadle County, Iroquois, South Dakota
 Cooperator John Rounds
 Planting Date May 29, 2017
 Harvest Date October 19, 2017



ST. LAWRENCE, SOUTH DAKOTA

BRAND	VARIETY	YIELD	RANK
Galena Genetics	16G15	32.54	26
Dyna Grow	12RY44	42.76	5
Dyna Grow	17RY406	41.21	10
Asgrow	1733	34.74	25
Galena Genetics	18G15	40.58	13
Galena Genetics	18G15 x 19G04 blend EX	40.18	14
Galena Genetics	19G16	41.38	9
Galena Genetics	19G17	43.79	2
Pioneer	19T78	42.02	8
Galena Genetics	20G15	36.96	21
Galena Genetics	20G16	35.15	23
Prairie Brand	2024	42.42	6
Galena Genetics	20G17	44.44	1
Galena Genetics	21G15B	40.80	11
Galena Genetics	21G15	43.23	3
Galena Genetics	21G17	43.23	3
Galena Genetics	21G17 x 22G16 blend EX	38.57	20
Galena Genetics	22G16	36.36	22
Galena Genetics	22E172 EX	40.80	11
Pioneer	22T69	42.42	6
Galena Genetics	23G15	40.00	15
Galena Genetics	23E171 EX	39.19	19
Galena Genetics	23E172 EX	39.59	18
Galena Genetics	23E173 EX	40.00	15
Galena Genetics	24E171 EX	40.00	15
Asgrow	2433	31.92	27
Galena Genetics	25E171 EX	35.15	23

Average Plot Yield 39.61

Plot Location St. Lawrence Township, Hand County, St. Lawrence, South Dakota
 Cooperator Dean & Sherrie VanZee
 Planting Date May 25, 2017
 Harvest Date October 18, 2017