

Dual Column Trial Report

Iowa - Black Hawk

Tracking Name: OFGB19120461_0031 **Exp Type:** Genetic
Business Partner: Bovy Farms Inc **County:** Black Hawk
State: Iowa **Planting Date:** 5/12/2019
Harvest Date: 10/17/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P21A28 X	74.5		12.1	\$633	6				
2	Pioneer	P23A15 X	74.3		12.1	\$632	7				
3	Pioneer	P25A27 X	72.0		11.9	\$612	13				
4	Pioneer	P25A04 X	73.7		12.0	\$626	10				
5	Asgrow	AG23X9	66.1		12.0	\$562	17				
6	Asgrow	AG25X9	71.7		12.2	\$609	14				
7	Pioneer	P14A30 X	61.6		12.6	\$524	19				
8	Pioneer	P15A88 X	64.2		12.1	\$546	18				
9	Pioneer	P18A98 X	68.5		12.0	\$582	16				
10	Pioneer	P19A14 X	70.7		11.8	\$601	15				
11	Pioneer	P28A42 X	80.3		12.2	\$683	1				
12	Pioneer	P29A25 X	77.4		12.4	\$658	2				
13	Pioneer	P31A22 X	73.9		12.3	\$628	9				
14	Pioneer	P17A21 L	73.3		12.5	\$623	11				
15	Pioneer	P21A81 L	74.0		12.7	\$629	8				
16	Pioneer	P25A82 L	72.5		12.4	\$616	12				
17	Pioneer	P25A96 L	75.4		12.4	\$641	3				
18	Pioneer	P31A29 L	75.4		12.6	\$641	4				

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
19	Pioneer	P21A81 L	74.7		12.9	\$635	5				

Iowa - Black Hawk

Tracking Name: OFGB19125755_0001 **Exp Type:** Genetic
Business Partner: Withheld by Request **County:** Black Hawk
State: Iowa **Planting Date:** 6/2/2019
Harvest Date: 10/18/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P22T73 R	54.3		11.1	\$462	1				

Iowa - Black Hawk

Tracking Name: OFGB19125768_0001 **Exp Type:** Genetic
Business Partner: Withheld by Request **County:** Black Hawk
State: Iowa **Planting Date:** 6/6/2019
Harvest Date: 10/8/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P21A20	49.5		13.3	\$421	2				
2	Pioneer	P21A20	49.7		13.1	\$422	1				

Iowa - Black Hawk

Tracking Name: OFGB19125773_0001
Business Partner: Withheld by Request
State: Iowa

Exp Type: Genetic
County: Black Hawk
Planting Date: 6/2/2019

Harvest Date: 10/27/2019

Entry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P22T73 R	58.6		13.7	\$498	1				

Iowa - Black Hawk

Tracking Name: OFGB19125942_0001
Business Partner: Parker; Lee
State: Iowa

Exp Type: Genetic
County: Black Hawk
Planting Date: 5/15/2019

Harvest Date: 10/18/2019

Entry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P23A15 X	75.1		12.8	\$638	1				

Iowa - Bremer

Tracking Name: OFGB19122075_0001
Business Partner: Garden Ave Farms Inc
State: Iowa

Exp Type: Genetic
County: Bremer
Planting Date: 5/13/2019

Harvest Date: 10/9/2019

Entry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P23A15 X	85.9		13.4	\$730	2				
2	Pioneer	P18A98 X	77.0		13.1	\$655	10				
3	Pioneer	P19A14 X	82.2		12.8	\$699	6				
4	Asgrow	AG20X9	77.4		13.0	\$658	9				
5	Pioneer	P21A28 X	82.5		12.8	\$701	5				
6	Asgrow	AG23X9	78.7		12.6	\$669	8				
7	Pioneer	P25A04 X	84.3		13.4	\$717	3				
8	Pioneer	P25A27 X	82.1		12.9	\$698	7				
9	Pioneer	P28A42 X	87.3		13.2	\$742	1				
10	Pioneer	P29A25 X	82.6		14.9	\$702	4				

Iowa - Bremer

Tracking Name: OFGB19122077_0001 **Exp Type:** Genetic
Business Partner: Garden Ave Farms Inc **County:** Bremer
State: Iowa **Planting Date:** 5/13/2019
Harvest Date: 10/9/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P18A98 X	74.1		13.3	\$630	6				
2	Pioneer	P23A15 X	82.3		13.3	\$700	3				
3	Pioneer	P23A15 X	85.4		13.6	\$726	2				
4	Pioneer	P18A98 X	75.7		13.3	\$643	5				
5	Pioneer	P18A98 X	79.2		13.1	\$673	4				
6	Pioneer	P23A15 X	86.3		13.3	\$734	1				

Iowa - Bremer

Tracking Name: OFGB19123205_0001 **Exp Type:** Genetic
Business Partner: Boevers; Steve **County:** Bremer
State: Iowa **Planting Date:** 5/5/2019
Harvest Date: 9/24/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P18A98 X	69.4		15.0	\$590	1				

Iowa - Bremer

Tracking Name: OFGB19123709_0001 **Exp Type:** Genetic
Business Partner: Joachim; David **County:** Bremer
State: Iowa **Planting Date:** 5/16/2019
Harvest Date: 10/9/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P23A32 X	77.6		12.0	\$660	1				

Iowa - Bremer

Tracking Name: OFGB19124257_0001 **Exp Type:** Genetic
Business Partner: Kohagen; Steve **County:** Bremer
State: Iowa **Planting Date:** 6/1/2019
Harvest Date: 10/17/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P24A80 X	60.4		12.1	\$513	1				

Iowa - Butler

Tracking Name: OFGB19120791_0005
Business Partner: Peters; Gerald
State: Iowa

Exp Type: Genetic
County: Butler
Planting Date: 5/20/2019

Harvest Date: 10/7/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P19A14 X	68.6		13.8	\$583	5				
2	Pioneer	P18A98 X	61.1		13.8	\$519	11				
3	Pioneer	P21A28 X	66.7		13.9	\$567	6				
4	Pioneer	P23A15 X	64.4		14.2	\$547	7				
5	Pioneer	P23A32 X	60.8		14.2	\$517	12				
6	Pioneer	P24A80 X	62.0		14.4	\$527	10				
7	Pioneer	P24A99 X	62.4		14.6	\$530	9				
8	Pioneer	P25A04 X	69.9		14.7	\$594	4				
9	Pioneer	P25A27 X	62.9		13.9	\$535	8				
10	Pioneer	P27A17 X	72.3		14.1	\$615	2				
11	Pioneer	P28A42 X	71.7		14.8	\$609	3				
12	Pioneer	P29A25 X	76.6		15.6	\$651	1				

Iowa - Butler

Tracking Name: OFGB19120791_0016
Business Partner: Atkinson; Robert
State: Iowa

Exp Type: Genetic
County: Butler
Planting Date: 6/1/2019

Harvest Date: 10/9/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P18A98 X	63.7		12.3	\$541	11				
2	Pioneer	P19A14 X	67.2		12.0	\$571	7				
3	Pioneer	P21A28 X	69.8		12.2	\$593	3				
4	Pioneer	P23A15 X	71.7		12.5	\$609	1				
5	Pioneer	P23A32 X	63.4		12.0	\$539	12				
6	Pioneer	P24A80 X	68.5		12.4	\$582	6				
7	Pioneer	P24A99 X	64.0		12.5	\$544	10				
8	Pioneer	P25A04 X	65.8		13.6	\$559	8				
9	Pioneer	P25A27 X	65.8		12.6	\$559	9				
10	Pioneer	P27A17 X	70.5		14.4	\$599	2				
11	Pioneer	P28A42 X	69.7		14.8	\$592	5				
12	Pioneer	P29A25 X	69.8		22.2	\$593	4				

Iowa - Butler

Tracking Name: OFGB19121500_0001
Business Partner: Harris; John
State: Iowa
Harvest Date: 9/28/2019

Exp Type: Genetic
County: Butler
Planting Date: 4/20/2019

Ent ry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Asgrow	AG25X9	37.1		12.0	\$315	8				
2	Asgrow	AG24X9	36.7		12.2	\$312	9				
3	Pioneer	P25A27 X	38.0		12.0	\$323	6				
4	Pioneer	P25A04 X	38.0		11.9	\$323	7				
5	Pioneer	P23A15 X	39.9		12.0	\$339	5				
6	Pioneer	P21A28 X	45.1		12.1	\$383	1				
7	Pioneer	P19A14 X	44.3		11.9	\$377	2				
8	Pioneer	P18A98 X	43.8		12.0	\$372	3				
9	Pioneer	P14A30 X	43.8		12.1	\$372	4				

Iowa - Butler

Tracking Name: OFGB19121501_0001
Business Partner: Langfritz; Brett
State: Iowa
Harvest Date: 10/15/2019

Exp Type: Genetic
County: Butler
Planting Date: 5/5/2019

Ent ry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P18A98 X									
2	Pioneer	P19A14 X	65.4		13.4	\$556	9				
3	Pioneer	P21A28 X	69.6		13.2	\$592	5				
4	Pioneer	P23A15 X	69.2		13.2	\$588	6				
5	Pioneer	P23A32 X	65.9		13.4	\$560	8				
6	Pioneer	P24A80 X	66.4		13.7	\$564	7				
7	Pioneer	P25A04 X	71.9		13.6	\$611	2				
8	Pioneer	P25A27 X	69.8		13.5	\$593	4				
9	Pioneer	P27A17 X	70.1		14.1	\$596	3				
10	Pioneer	P28A42 X	73.6		14.5	\$626	1				
11	Pioneer	P15A88 X									

Iowa - Butler

Tracking Name: OFGB19121761_0001
Business Partner: Martzhan; Mike
State: Iowa
Harvest Date: 10/8/2019

Exp Type: Genetic
County: Butler
Planting Date: 5/14/2019

Entry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P28A42 X	68.5		12.2	\$582	6				
2	Pioneer	P27A17 X	72.5		12.2	\$616	1				
3	Pioneer	P25A27 X	72.5		12.4	\$616	2				
4	Pioneer	P25A04 X	71.7		12.5	\$609	3				
5	Pioneer	P24A99 X	67.8		12.7	\$576	8				
6	Pioneer	P24A80 X	66.4		12.9	\$564	10				
7	Pioneer	P23A32 X	65.0		12.6	\$553	11				
8	Pioneer	P23A15 X	70.3		12.6	\$598	4				
9	Pioneer	P21A28 X	69.5		12.5	\$591	5				
10	Pioneer	P19A14 X	67.1		12.4	\$570	9				
11	Pioneer	P18A98 X	67.9		12.6	\$577	7				

Iowa - Butler

Tracking Name: OFGB19121900_0001
Business Partner: Rewerts; Carol
State: Iowa
Harvest Date: 10/9/2019

Exp Type: Genetic
County: Butler
Planting Date: 5/13/2019

Entry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P14A30 X	59.4		11.6	\$505	10				
2	Pioneer	P15A88 X	63.0		11.3	\$536	6				
3	Pioneer	P18A98 X	65.2		11.2	\$554	2				
4	Pioneer	P19A14 X	63.1		10.8	\$536	4				
5	Pioneer	P21A28 X	63.1		11.0	\$536	5				
6	Pioneer	P23A15 X	62.1		11.4	\$528	7				
7	Pioneer	P23A32 X	64.7		11.3	\$550	3				
8	Pioneer	P25A04 X	60.4		11.3	\$513	8				
9	Pioneer	P25A27 X	58.7		11.3	\$499	11				
10	Pioneer	P28A42 X	66.5		12.9	\$565	1				
11	Asgrow	AG23X9	59.8		10.7	\$508	9				

Iowa - Butler

Tracking Name: OFGB19121914_0001
Business Partner: Langfritz; Brett
State: Iowa

Exp Type: Genetic
County: Butler
Planting Date: 5/12/2019

Harvest Date: 10/15/2019

Ent ry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Facto r(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P22T73 R	58.5		14.6	\$497	10				
2	Asgrow	AG24X9	64.0		13.6	\$544	5				
3	Asgrow	AG25X9	63.5		13.5	\$540	6				
4	Pioneer	P17A21 L	58.8		13.9	\$500	9				
5	Pioneer	P21A20	70.4		13.6	\$598	1				
6	Pioneer	P21A81 L	66.8		13.7	\$568	3				
7	Pioneer	P25A96 L	67.9		14.0	\$577	2				
8	Pioneer	P25A82 L	62.9		14.2	\$535	7				
9	Pioneer	P29T50	62.2		14.7	\$529	8				
10	Pioneer	P23A15 X	64.3		14.0	\$547	4				
11	Pioneer	P22T69 R									

Iowa - Butler

Tracking Name: OFGB19124153_0001
Business Partner: Folkerts; Darrel
State: Iowa

Exp Type: Genetic
County: Butler
Planting Date: 6/1/2019

Harvest Date: 10/16/2019

Ent ry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Facto r(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P31A22 X	60.0		16.6	\$510	9				
2	Pioneer	P29A25 X	65.3		15.6	\$555	1				
3	Pioneer	P25A04 X	65.0		15.4	\$553	3				
4	Pioneer	P25A27 X	60.2		14.4	\$512	8				
5	Pioneer	P23A15 X	62.3		14.4	\$530	5				
6	Golden Harvest	GH2230 X	60.8		14.2	\$517	7				
7	Pioneer	P21A28 X	65.2		14.3	\$554	2				
8	Golden Harvest	GH2041 X	61.0		14.2	\$519	6				
9	Golden Harvest	GH1915 X	62.8		14.2	\$534	4				

Iowa - Butler

Tracking Name: OFGB19124151_0001
Business Partner: Schurman; Curtis
State: Iowa

Exp Type: Genetic
County: Butler
Planting Date: 5/15/2019

Harvest Date: 10/13/2019

Ent ry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Facto r(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P23A15 X	60.3		14.0	\$513	1				

Iowa - Butler

Tracking Name: OFGB19124156_0001
Business Partner: Wubbena; Beryl
State: Iowa

Exp Type: Genetic
County: Butler
Planting Date: 5/16/2019

Harvest Date: 10/8/2019

Ent ry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Facto r(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P23A32 X	59.0		12.6	\$502	1				

Iowa - Butler

Tracking Name: OFGB19124158_0001
Business Partner: Withheld by Request
State: Iowa

Exp Type: Genetic
County: Butler
Planting Date: 5/17/2019

Harvest Date: 10/15/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P23A15 X	38.4		13.5	\$326	2				
2	Pioneer	P19A14 X	39.9		13.3	\$339	1				

Iowa - Butler

Tracking Name: OFGB19124161_0001
Business Partner: Brocka; Gary
State: Iowa

Exp Type: Genetic
County: Butler
Planting Date: 5/14/2019

Harvest Date: 10/9/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P23A15 X	60.0		11.4	\$510	1				

Iowa - Butler

Tracking Name: OFGB19124855_0001
Business Partner: Mennenga; Dale
State: Iowa

Exp Type: Genetic
County: Butler
Planting Date: 6/13/2019

Harvest Date: 10/24/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P18A98 X	63.1		15.1	\$536	4				
2	Pioneer	P19A14 X	61.1		15.5	\$519	14				
3	Kruger	K2X-1862	58.4		15.2	\$496	27				
4	Champion	CS24X9 8N	58.1		14.9	\$494	29				

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
5	Cornelius	CB18X9 7	62.2		14.7	\$529	8				
6	Cornelius	CB19R7 1	60.4		14.8	\$513	18				
7	Champion	CS20R3 5N	60.7		15.0	\$516	15				
8	Kruger	K2X-2052	61.5		14.6	\$523	13				
9	Kruger	K2X-2073	64.1		14.2	\$545	1				
10	Kruger	K2X-2172	60.0		14.6	\$510	20				
11	Kruger	K2X-2261	57.7		14.8	\$490	30				
12	Champion	CS24X9 8N	54.0		14.4	\$459	36				
13	Nutech	20N01R	54.5		14.7	\$463	34				
14	Nutech	7210R	57.6		14.5	\$490	31				
15	Cornelius	CB21X2 2	58.6		14.2	\$498	25				
16	Cornelius	CB22R8 8	52.7		14.5	\$448	39				
17	Pioneer	P21A28 X	60.0		14.3	\$510	21				
18	Pioneer	P22T73 R	53.6		14.6	\$456	37				
19	Pioneer	P23A15 X	54.5		14.3	\$463	35				
20	Champion	CS24X9 8N	58.8		14.3	\$500	24				
21	Cornelius	CB23X0 0	58.6		14.1	\$498	26				
22	Cornelius	CB24X6 4	56.0		14.3	\$476	32				
23	Cornelius	CB24R8 2	59.5		14.6	\$506	22				
24	Cornelius	CB24R8 2	59.0		14.6	\$502	23				
25	Nutech	CHOOSE PROD	53.3		14.7	\$453	38				
26	Nutech	CHOOSE PROD	60.7		14.4	\$516	16				
27	Champion	Experimental	55.8		14.7	\$474	33				
28	Champion	CS24X9 8N	58.2		14.4	\$495	28				
29	Champion	Experimental	61.6		14.2	\$524	10				

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
30	Pioneer	P25A04 X	62.4		14.4	\$530	6				
31	Pioneer	P25A27 X	61.9		14.1	\$526	9				
32	Pioneer	P25A70 R	61.6		14.2	\$524	11				
33	Kruger	K2X-2573	62.4		14.4	\$530	7				
34	Kruger	K2X-2652	61.6		14.2	\$524	12				
35	Kruger	K2X-2673	63.7		14.0	\$541	2				
36	Champion	CS24X9 8N	60.5		14.0	\$514	17				
37	Kruger	K2X-2863	60.2		14.3	\$512	19				
38	Nutech	CHOOS E PROD	63.4		16.4	\$539	3				
39	Champion	Experimental	62.9		14.8	\$535	5				

Iowa - Chickasaw

Tracking Name: OFGB19120454_0004 Business Partner: Bush; Darin State: Iowa						Exp Type: Genetic County: Chickasaw Planting Date: 5/16/2019 Harvest Date: 10/9/2019					
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Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P14A30 X	63.3		12.3	\$538	3				
2	Pioneer	P18A98 X	72.5		12.3	\$616	1				
3	Pioneer	P19A14 X	72.2		12.4	\$614	2				

Iowa - Chickasaw

Tracking Name: OFGB19120461_0009 Business Partner: Bush; Darin State: Iowa						Exp Type: Genetic County: Chickasaw Planting Date: 5/16/2019 Harvest Date: 10/9/2019					
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Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P21A28 X	71.8		12.3	\$610	2				
2	Pioneer	P23A15 X	72.8		12.6	\$619	1				
3	Pioneer	P25A27 X	68.5		12.6	\$582	4				
4	Pioneer	P25A04 X	69.9		13.0	\$594	3				

Iowa - Chickasaw

Tracking Name: OFGB19125941_0001 Business Partner: Withheld by Request State: Iowa						Exp Type: Genetic County: Chickasaw Planting Date: 5/8/2019 Harvest Date: 10/17/2019					
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Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P21A81 L	67.4		13.5	\$573	1				

Iowa - Fayette

Tracking Name: OFGB19120459_0019 **Exp Type:** Genetic
Business Partner: Kirchmann; Dan **County:** Fayette
State: Iowa **Planting Date:** 5/13/2019
Harvest Date: 10/8/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P17A21 L	71.7		13.5	\$609	6				
2	Pioneer	P21A81 L	81.2		13.8	\$690	3				
3	Pioneer	P25A82 L	86.8		13.2	\$738	1				
4	Pioneer	P25A96 L	86.6		13.9	\$736	2				
5	Beck's	232L4	78.4		13.6	\$666	4				
6	DeKalb	DKB22-21	71.9		13.5	\$611	5				

Iowa - Floyd

Tracking Name: OFGB19120454_0005 **Exp Type:** Genetic
Business Partner: Merfeld; Joe **County:** Floyd
State: Iowa **Planting Date:** 5/13/2019
Harvest Date: 10/19/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P14A30 X	64.4		11.9	\$547	4				
2	Pioneer	P15A88 X	70.7		11.7	\$601	3				
3	Pioneer	P18A98 X	73.1		11.5	\$621	1				
4	Pioneer	P19A14 X	71.9		11.7	\$611	2				

Iowa - Floyd

Tracking Name: OFGB19120460_0006 **Exp Type:** Genetic
Business Partner: Merfeld; Joe **County:** Floyd
State: Iowa **Planting Date:** 5/13/2019
Harvest Date: 10/19/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P28A42 X	77.1		12.8	\$655	1				
2	Pioneer	P29A25 X	71.6		14.5	\$609	3				
3	Pioneer	P31A22 X	73.3		15.6	\$623	2				

Iowa - Floyd

Tracking Name: OFGB19120461_0010 **Exp Type:** Genetic
Business Partner: Merfeld; Joe **County:** Floyd
State: Iowa **Planting Date:** 5/13/2019
Harvest Date: 10/19/2019

Entry #	Brand	Variety/Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P21A28 X	71.5		12.0	\$608	3				
2	Pioneer	P23A15 X	76.5		12.1	\$650	2				
3	Pioneer	P25A27 X	66.9		12.4	\$569	4				
4	Pioneer	P25A04 X	77.5		12.2	\$659	1				

Iowa - Grundy

Tracking Name: OFGB19120792_0002
Business Partner: Peters; Gerald
State: Iowa

Exp Type: Genetic
County: Grundy
Planting Date: 5/21/2019

Harvest Date: 10/17/2019

Entry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P25A82 L	66.2		11.8	\$563	7				
2	Pioneer	P17A21 L	65.1		11.7	\$553	8				
3	Pioneer	P21A81 L	67.7		11.7	\$575	4				
4	Pioneer	P22T10 L TM	66.4		11.5	\$564	6				
5	Pioneer	P25A96 L	78.8		11.9	\$670	1				
6	Pioneer	P26T07 L TM	67.2		11.8	\$571	5				
7	Pioneer	P29A85 L	75.3		13.5	\$640	2				
8	Pioneer	P31A29 L	75.2		14.8	\$639	3				

Missouri - Knox

Tracking Name: OFGB19124556_0001
Business Partner: Korporal; Ryan
State: Missouri

Exp Type: Genetic
County: Knox
Planting Date: 5/19/2019

Harvest Date: 10/17/2019

Entry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P21A81 L	71.2		13.4	\$605	1				

Missouri - Knox

Tracking Name: OFGB19124549_0001
Business Partner: Bock; Chris
State: Missouri

Exp Type: Genetic
County: Knox
Planting Date: 5/10/2019

Harvest Date: 10/18/2019

Entry #	Brand	Variety/ Brand	Yield (bu/a 60#)	Factor(s)	Mst (%)	AGI	Yield Rank	YM Verified Yld	YM Verified Mst (%)	YM AGI	YM Yield Rank
1	Pioneer	P23A15 X	73.1		14.3	\$621	1				

Search Criteria:

General:

CropYears: 2019
Season: 1
Experiment Type: Genetic
Harvested: Harvested

Crop: Soybeans
Weigh Devices: Weighed
Irrigation Types: Non-irrigated

Geography:

Countries: United States
States/Provinces: Iowa, Missouri
Counties/Divisions: Chickasaw, Floyd, Fayette, Black Hawk, Butler, Grundy, Bremer, Knox

Sales Structure:

Commercial Units:
Sales Areas:
Sales Districts:
Territories:

Experiment:

Groups:
Experiment:

Price Details:

Market Price: \$8.50
Market Price Adjustments: Standard-\$0.00; High Oleic-\$0.40; Low Linolenic-\$0.00;

Notes and Explanations:

(1) $YIELD = (100 - MOISTURE) \times (LBS. \text{ OF GRAIN}) \times (FACTOR) \div (HARVESTED \text{ LENGTH IN FEET}) \div (HARVESTED \text{ WIDTH IN INCHES})$. Not applicable if weighed with Yield Monitor. Yield monitor yields are estimates of yield taken from the yield monitor data files. Yield estimate calculations are dependent on the equipment and software manufacturer. Yield estimates from a yield monitor can vary significantly from actual yields of hybrids/varieties at a single point, within areas of a field or in aggregate. Any number of factors such as inappropriate calibration, machine settings, machine dynamics, grain characteristics, temperature, slope, operator error, etc. can impact the accuracy of yield monitor yield estimates.

Temperature, rainfall and solar radiation are estimates based on available data from weather stations in the area. Crop growth indices for individual hybrids, including estimates of silking and maturity dates, are produced by the proprietary EnClass[®] crop growth model using this weather information. Though crop growth indices produced by the model are calibrated based on historical field observations of products, they may not accurately reflect the growth stage at an individual location.

Where shown, soil information is provided by Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Soil Survey Geographic (SSURGO) Database available online at <http://soildatamart.nrcs.usda.gov>.

Information and results contained herein represent the average of all comparisons across the area indicated. Results may not predict future performance and may not be complete. Testing accuracy, area variations and a limited environmental base can give misleading results. Multi-year and multi-location information is a better predictor of future performance. Please use this information as only one component of your product positioning decision.

*** ** Since the trait/segment information is derived from each competitor's own product information, Pioneer makes no representations or warranties as to its accuracy, completeness or suitability.

^ EXPORT APPROVAL NOTICE: This product is fully approved in the United States and Canada. Traits included in these products may or may not be approved in all global markets; therefore, the combination of these traits and the grain and certain by-products (including oil, dried distillers grain, cobs, and husks) from THESE PRODUCTS MAY NOT BE APPROVED for all markets. Growers that use Pioneer[®] brand seed with biotech traits are required and agree to adhere to the stewardship requirements as outlined in this product stewardship guide. For questions regarding product stewardship and biotech traits please contact your sales representative or refer to www.pioneer.com/stewardship. Growers are required to discuss trait acceptance and grain channeling policies with their local grain handler prior to delivering grain containing biotech traits.

Insecticide Seed Treatment (IST) indicates an insecticide seed treatment was purchased on the seed. Potential insecticide seed treatments include Gaucho[®]. Purchased or applied to the seed.

Fungicide Seed Treatment (FST) indicates a fungicide seed treatment was purchased on or applied to the seed prior to planting. Potential fungicide seed treatments may include but are not limited to:

Allegiance[®], Apron[®] XL, Maxim^{*}, Apron[®] Maxx, Apron[®] Maxx RTA, Captan^{*}, Kickstart^{*}, Protégé^{*}, SoyGard[®], Rival^{*}, RTU^{*}, Vitavax 200^{*}, and Stiletto^{*}.

Segments:

B - Always follow stewardship practices in accordance with the Product Use Guide (PUG) or other product-specific stewardship requirements including grain marketing and pesticide label directions. Varieties with BOLT(TM) technology provide excellent plant-back flexibility for soybeans following application of SU (sulfonylurea) herbicides such as DuPont(TM) LeadOff[®] or DuPont(TM) Basis[®] Blend as a component of a burndown program or for double-crop soybeans following SU herbicides such as DuPont(TM) Finesse[®] applied to wheat the previous fall.

R - Always follow grain marketing, stewardship practices and pesticide label directions. Varieties with the glyphosate tolerant trait (including those designated by the letter $\zeta R \zeta$ in the product number) contain genes that confer tolerance to glyphosate herbicides. Glyphosate herbicides will kill crops that are not tolerant to glyphosate.

RR2Y - Always follow grain marketing, stewardship practices and pesticide label directions. Varieties with the Genuity[®] Roundup Ready 2 Yield[®] (RR2Y) trait contain genes that confer tolerance to glyphosate, the active ingredient in Roundup[®] brand agricultural herbicides. Roundup[®] brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity[®], Roundup[®] and Roundup Ready 2 Yield[®] are registered trademarks of Monsanto Technology LLC used under license. Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

As of this printing no dicamba herbicide product has been approved for commercial in-crop use with soybeans with Roundup Ready 2 Xtend[®] technology. DO NOT APPLY DICAMBA HERBICIDE IN-CROP TO SOYBEANS WITH Roundup Ready 2 Xtend technology IN 2016 unless you use a dicamba herbicide product that is specifically labeled for that use in the location where you intend to make the application. While no in-crop use of dicamba is currently approved, some dicamba products may be labeled for weed control prior to planting a crop and subject to minimum plant back restrictions. IT IS A VIOLATION OF FEDERAL AND STATE LAW TO MAKE AN IN-CROP APPLICATION OF ANY DICAMBA HERBICIDE PRODUCT ON SOYBEANS WITH Roundup Ready 2 Xtend technology, OR ANY OTHER PESTICIDE APPLICATION, UNLESS THE PRODUCT LABELING SPECIFICALLY AUTHORIZES THE USE. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with soybeans with Roundup Ready 2 Xtend technology and follow all pesticide product labeling.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Soybeans with Roundup Ready 2 Xtend technology contain genes that confer tolerance to glyphosate and dicamba. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba.

Roundup Ready 2 Xtend[®] is a trademark of Monsanto Technology LLC used under license.

STS - Varieties with the DuPont(TM) STS[®] gene (STS) are tolerant to certain SU (sulfonylurea) herbicides. This technology allows post-emergent applications of DuPont(TM) Synchrony[®] XP and DuPont(TM) Classic[®] herbicides without crop injury or stress (see herbicide product labels). NOTE: A soybean variety with a herbicide tolerant trait does not confer tolerance to all herbicides. Spraying herbicides not labeled for a specific soybean variety will result in severe plant injury or plant death. Always read and follow herbicide label directions and precautions for use.

LL - Denotes soybean variety with the LibertyLink[®] gene available from Pioneer. Varieties with the LibertyLink gene are resistant to Liberty[®] herbicide. Liberty[®], LibertyLink[®] and the Water Droplet Design are trademarks of BASF.

P/Plenish - P = Plenish® high oleic soybeans for contract production only.

SCN - Displays good to excellent resistance to soybean cyst nematode.

Product responses are variable and subject to any number of environmental, disease and pest pressures. Individual results may vary. Multi-year and multi-location data are a better predictor of future performance. DO NOT USE THIS OR ANY OTHER DATA FROM A LIMITED NUMBER OF TRIALS AS A SIGNIFICANT FACTOR IN PRODUCT SELECTION. Refer to www.pioneer.com/products or contact a Pioneer sales representative or authorized dealer for the latest and complete listing of traits and scores for each Pioneer® brand product.

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AGI Calc: Yield * (Market Price + Premium Adjustment)