

Table 1C. Performance of Matruity Group 3.0-4.4 at Central Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
21	S39-T3	29	0	16	2839	47
23	S39-C4	26	0	16	2772	46
24	P41T33R	30	0	16	2395	40
32	CZ 3841 LL	27	0	15	2674	45
36	CZ 4181 RY	37	0	15	2740	46
37	CZ 3945 LL	19	0	16	2643	44
38	CZ 4222 LL	29	3	15	2414	40
65	AG 44X6	30	0	16	2943	49
81	S42-P6	29	0	15	2990	50
82	Mycogen 5N414R2	38	3	16	2828	47
84	Mycogen 5N433R2	34	2	16	2590	43
85	Mycogen 5N406R2	30	0	15	2436	41
89	CZ 4105 LL	24	0	16	2514	42
92	CZ 4044 LL	27	0	15	2384	40
99	CZ 3991 RY	27	0	16	2724	45
102	Mycogen 5N424R2	27	0	16	2533	42
109	P 4211RY	27	0	16	2553	43
111	P 4247LL	31	0	16	2260	38
120	S43RY95	33	2	15	2748	46
128	S42RY77	28	0	16	2393	40
LSD (P=.05)		-	-	-	-	-
Standard Deviation		4.268	1.051	0.367	203.683	3.395
CV		14.793	210.263	2.366	7.778	7.778

* Height in inches

*Lodging from 0-9, with 0= straight

Table 2C. Performance of Matruity Group 4.5-4.7 at Central Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
5	DG4670GENRR2Y	38	0	14	2917	49
10	DG4790GENRR2Y	36	0	15	2836	47
12	DG4587 LL	36	0	15	2891	48
18	REV 47R34	37	0	15	2775	46
22	S47-K5	27	0	15	2843	47
25	P47T36R	34	0	15	2963	49
27	P47T89R	33	2	18	2873	48
29	CZ 4540 LL	32	0	14	3235	54
33	CZ 4656 RY	32	0	14	2899	48
35	CZ 4748 LL	33	0	15	2953	49
44	CZ 4590 RY	33	0	15	3192	53
48	S12-3782	34	0	14	2827	47
50	S12-3791	31	0	15	3129	52
54	REV 48A26	34	0	13	2804	47
67	AG 45X6	32	0	14	3379	56
68	AG 46X6	32	0	15	2740	46
70	Armor 47-R70	35	0	15	3110	52
72	AG 46X7	38	2	16	2994	50
74	AG 47X6	40	0	14	2791	47
86	Mycogen 5N452R2	29	4	14	3040	51
88	Armor 47-D17	38	4	15	3006	50
93	ARX4706	42	0	15	2928	49
97	S45W9	22	0	14	3106	52
104	Armor 46-D08	30	0	14	2833	47

106	P 4788RY	37	0	14	3313	55
114	P 4757RY	33	0	14	2976	50
116	P 4613RY	34	5	13	2897	48
117	P 4588RY	27	0	13	3097	52
129	Rev 45A46	32	0	15	3003	50
132	S45XS66	42	5	13	2733	46
133	GS47R216	36	4	16	3098	52
140	GS45R216	35	5	14	2776	46
143	Go Soy 4714GTS	36	0	15	2959	49
147	S47RY13	34	0	15	2991	50
150	R2C4775	31	0	14	3015	50
151	P 4516RXS	36	4	15	3110	52
152	P 4620RXS	33	0	14	2792	47
153	P 4799RXS	40	0	15	2906	48
LSD (P=.05)		-	-	-	-	-
Standard Deviation		4.041	1.761	0.822	157.173	2.620
CV		11.955	191.212	5.628	5.298	5.298

* Height in inches

*Lodging from 0-9, with 0= straight

Table 2C. Performance of Matruity Group 4.8-4.9 at Central Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
1	DG4880GLY	30	0	17	2537	42
4	DG4825GENRR2Y	33	0	13	2539	42
7	DG4967LL	39	0	12	2746	46
8	DG4970GLY	36	3	12	2744	46
9	DG4995GLY	21	0	13	2869	48
16	REV 49R94	33	0	14	2900	48
17	REV 49A75	37	0	12	2633	44
39	CZ 4818 LL	38	3	12	2857	48
40	CZ 4959 RY	32	0	13	2990	50
42	CZ 4898 RY	36	0	12	2825	47
45	S12-2418	31	0	11	2875	48
51	Rev 48A76	32	0	14	2777	46
52	Rev 48L63	37	0	12	2693	45
53	Rev 49L49	35	0	14	2361	39
71	Armor 49-D90	34	0	13	2575	43
73	AG 48X7	38	0	14	3024	50
75	AG 49X6	38	0	12	2828	47
79	Armor 49-D66	33	0	17	2231	37
80	ARX4906	36	0	13	2931	49
83	Mycogen 5N490R2	36	0	13	3037	51
90	HBKLL4953	38	0	12	2895	48
95	DGX4845RR2	27	0	13	2633	44
100	Rev 48A26	33	0	13	2537	42
101	S49XT07	36	0	12	2668	44
107	P 4900RY	31	0	14	2804	47
110	P 4814LLS	41	5	13	2554	43
115	P 4930LL	38	0	15	3032	51
119	Armor 48-D24	29	0	15	2444	41
121	S48RS53	37	0	14	2799	47
126	Mycogen 5N480R2	41	0	13	2948	49
127	S48XT56	28	0	13	2703	45

130	Armor 48-D80	45	0	12	2836	47
131	S49LL34	41	6	13	2486	41
136	GS4915R2	40	0	12	2793	47
141	Go Soy 49G16	20	0	12	2737	46
142	GS48R216	29	0	12	2854	48
144	Go Soy IREANE	14	0	12	2434	41
145	Go Soy 4913LL	38	5	14	2644	44
148	RX4825	28	0	12	3069	51
149	RX4926	35	0	12	2663	44
154	P 4816RX	31	0	13	3154	53
155	P 4944RX	32	0	13	2955	49
LSD (P=.05)		-	-	-	-	-
Standard Deviation		6.040	1.502	1.262	206.199	3.437
CV		18.049	286.714	9.689	7.491	7.491

* Height in inches

*Lodging from 0-9, with 0= straight

Table 3C. Performance of Matruity Group 5.0-5.3 at Central Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
3	DG5230GENRR2Y	20	0	9	3113	52
6	DG5067LL	41	3	10	3457	58
11	DG5170GENRR2Y	39	0	9	2729	45
13	REV 51A56	35	0	8	2840	47
31	CZ 5147 LL	16	0	10	2486	41
34	CZ 5242 LL	40	3	9	2892	48
43	CZ 5150 LL	35	4	9	2924	49
46	S11-17025	17	0	9	2778	46
47	S11-20124	24	0	8	2791	47
49	S12-4718	17	0	7	3024	50
57	UA 5213C	17	0	10	2670	45
60	R09-430	16	0	7	3231	54
61	UA 5014C	17	0	7	2832	47
77	AG 53X6	18	0	8	2657	44
91	CZ 5375 RY	16	0	7	2554	43
94	Armor 53-D04	18	0	9	2436	41
98	CZ 5225 LL	23	0	8	2877	48
103	Mycogen 5N523R2	37	3	8	3199	53
108	P 5289RY	50	7	8	2625	44
113	P 5226RYS	42	0	8	2693	45
122	S52LL66	42	5	8	2315	39
123	S52RY77	20	0	11	2599	43
135	Schillinger 5220.RC	32	0	14	2408	40
137	Go Soy 5214GTS	24	0	9	2699	45
138	Go Soy 5115LL	39	3	9	2897	48
146	Go Soy LELAND	19	0	8	2865	48
156	P 5016RXS	38	0	8	2717	45
LSD (P=.05)		-	-	-	-	-
Standard Deviation		10.914	1.894	1.476	262.393	4.373
CV		39.529	185.929	17.001	9.408	9.408

* Height in inches

*Lodging from 0-9, with 0= straight

Table 3C. Performance of Matruity Group 5.4-6.6 at Central Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
2	DG5625GENRR2Y	21	0	12	2606	43
14	REV 57R21	24	0	12	2150	36
15	REV 56R63	25	0	17	2410	40
19	REV 52A95	23	0	10	2343	39
20	DG5461LL	35	0	11	2453	41
26	P 54T94R	17	0	18	1843	31
28	DG5580GENRR2Y	22	0	9	2566	43
30	CZ 5515 LL	54	5	14	2253	38
41	CZ 5445 LL	22	0	7	2533	42
55	R10-197RY	22	0	13	2435	41
56	UA 5612	23	0	9	2661	44
58	OSAGE	17	0	9	3138	52
59	R10-230	23	0	9	2479	41
62	UA 5414RR	19	0	8	2947	49
63	R07-6614RR	20	0	10	2480	41
64	UA 5814HP	21	0	7	2469	41
66	AG 55X7	16	0	14	2629	44
69	Armor 55-R68	20	0	9	3009	50
76	AG 54X6	46	0	10	2450	41
78	ARX5506	40	3	19	2050	34
87	AG 59X7	21	0	10	2695	45
96	S55Q3	24	0	16	1945	32
105	P 5555RY	20	0	9	2560	43
112	P 5414LLS	26	0	10	2487	41
118	P 5752RY	18	0	11	2507	42
124	S57RY26	20	0	8	2403	40
125	S56RY84	19	0	8	2481	41
134	Go Soy 5515LL	24	0	10	2437	41
139	Schillinger 557.RC	17	0	10	3180	53
157	P 5417RX	21	0	10	2587	43
158	P 5768RX	15	0	12	2699	45
159	P 5631RX	41	0	7	2624	44
160	P 5623LL	19	0	9	3069	51
LSD (P=.05)		-	-	-	-	-
Standard Deviation		9.031	1.001	3.028	304.369	5.073
CV		37.821	412.890	27.852	12.017	12.017

* Height in inches

*Lodging from 0-9, with 0= straight

Maturity Group:	MG 3.0-4.4, MG 4.5-4.7, MG 4.8-4.9, MG 5.0-5.3, MG 5.4-6.9				
Location:	Central Research Station				
Planting Dates:	5/11/2016				
Tillage:	Conventional				
Harvest Dates:	MG 3.0-4.4 and MG 4.5-4.7 - 9/29/2016; MG 4.8-4.9 -10/4/2016; MG 5.0-5.3 and MG 5.4-6.9 - 10/10/2016				
MG 3.0-4.4					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	

Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Canopy + Metalochlor + Touchdown	Rate:	4 oz + 1 pt + 1 pt	Date:	5/13/2016
Post Herb 1:	Post Plus + Classic + Crop oil	Rate:	1 qt + 2/3 oz + 1%	Date:	6/17/2016
Post Herb 2:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/13/2016
Post Herb 3:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/20/2016
Post Herb 4:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz	Date:	9/1/2016
Post Herb 5:		Rate:		Date:	
Harvest Aid:		Rate:		Date:	
MG 4.5-4.7					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Canopy + Metalochlor + Touchdown	Rate:	4 oz + 1 pt + 1 pt	Date:	5/13/2016
Post Herb 1:	Post Plus + Classic + Crop oil	Rate:	1 qt + 2/3 oz + 1%	Date:	6/17/2016
Post Herb 2:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/13/2016
Post Herb 3:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/20/2016
Post Herb 4:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz	Date:	9/1/2016
Post Herb 5:		Rate:		Date:	
Harvest Aid:		Rate:		Date:	
MG 4.8-4.9					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Canopy + Metalochlor + Touchdown	Rate:	4 oz + 1 pt + 1 pt	Date:	5/13/2016
Post Herb 1:	Post Plus + Classic + Crop oil	Rate:	1 qt + 2/3 oz + 1%	Date:	6/17/2016
Post Herb 2:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/13/2016
Post Herb 3:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/20/2016
Post Herb 4:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz	Date:	9/1/2016

Post Herb 5:	Paraquat	Rate:	16 oz	Date:	9/27/2016
Harvest Aid:		Rate:		Date:	
MG 50.-5.3					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Canopy + Metalochlor + Touchdown	Rate:	4 oz + 1 pt + 1 pt	Date:	5/13/2016
Post Herb 1:	Post Plus + Classic + Crop oil	Rate:	1 qt + 2/3 oz + 1%	Date:	6/17/2016
Post Herb 2:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/13/2016
Post Herb 3:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/20/2016
Post Herb 4:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz	Date:	9/1/2016
Post Herb 5:	Paraquat	Rate:	16 oz	Date:	9/27/2016
Harvest Aid:		Rate:		Date:	
MG 5.4-6.9					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Canopy + Metalochlor + Touchdown	Rate:	4 oz + 1 pt + 1 pt	Date:	5/13/2016
Post Herb 1:	Post Plus + Classic + Crop oil	Rate:	1 qt + 2/3 oz + 1%	Date:	6/17/2016
Post Herb 2:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/13/2016
Post Herb 3:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz + 10 oz	Date:	7/20/2016
Post Herb 4:	Acephate + Bifenthrin + Quadtop	Rate:	3/4 lb + 5 oz	Date:	9/1/2016
Post Herb 5:	Paraquat	Rate:	16 oz	Date:	9/27/2016
Harvest Aid:		Rate:		Date:	

Comments:

August 11 – August 14 – 15.5 inches of rain. Beans in standing water for a few days. Lower end of field at least half of the plant under water