

Table 1C. Performance of Matruity Group 3.0-4.4 at Red River Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
21	S39-T3	41	2	12	3543	59
23	S39-C4	43	2	12	3879	65
24	P41T33R	44	4	13	3784	63
32	CZ 3841 LL	41	6	13	3218	54
36	CZ 4181 RY	46	3	12	3249	54
37	CZ 3945 LL	35	1	12	2753	46
38	CZ 4222 LL	40	2	12	3944	66
65	AG 44X6	44	5	12	3167	53
81	S42-P6	44	1	13	3381	57
82	Mycogen 5N414R2	47	3	12	3403	57
84	Mycogen 5N433R2	51	9	12	3208	54
85	Mycogen 5N406R2	42	3	12	3514	59
89	CZ 4105 LL	38	1	12	3085	52
92	CZ 4044 LL	39	2	12	3403	57
99	CZ 3991 RY	37	1	12	3518	59
102	Mycogen 5N424R2	38	1	12	3751	63
109	P 4211RY	40	2	12	3479	58
111	P 4247LL	43	2	12	3550	59
120	S43RY95	49	8	12	3400	57
128	S42RY77	41	2	11	2782	46
LSD (P=.05)		4.00	1.32	1.40	670.00	11.00
Standard Deviation		4.054	2.242	0.400	317.88	5.299
CV		6.400	32.900	5.400	11.80	11.90

*Height in inches

*Lodging from 1-9, with 1= straight

Table 2C. Performance of Matruity Group 4.5-4.7 at Red River Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
5	DG4670GENRR2Y	41	3	12	3453	58
10	DG4790GENRR2Y	43	3	12	3410	57
12	DG4587 LL	42	2	12	4076	68
18	REV 47R34	41	4	11	3570	60
22	S47-K5	40	1	12	3665	61
25	P47T36R	40	1	12	3723	62
27	P47T89R	43	4	11	3655	61
29	CZ 4540 LL	42	4	13	3688	61
33	CZ 4656 RY	43	7	11	3001	50
35	CZ 4748 LL	39	1	12	3518	59
44	CZ 4590 RY	42	1	12	3692	62
48	S12-3782	42	3	13	3253	54
50	S12-3791	37	1	13	3700	62
54	REV 48A26	38	8	12	3437	57
67	AG 45X6	40	2	12	3600	60
68	AG 46X6	38	3	12	3943	66
70	Armor 47-R70	43	2	12	3618	60
72	AG 46X7	40	2	12	2991	50
74	AG 47X6	43	2	12	3017	51
86	Mycogen 5N452R2	41	4	12	3473	58

88	Armor 47-D17	40	3	13	3486	58
93	ARX4706	42	1	12	3456	58
97	S45W9	34	1	12	3754	63
104	Armor 46-D08	42	3	12	3449	58
106	P 4788RY	46	1	12	3101	52
114	P 4757RY	42	2	12	3414	57
116	P 4613RY	41	2	13	3829	64
117	P 4588RY	40	5	13	2976	50
129	Rev 45A46	44	3	11	3729	62
132	S45XS66	41	3	12	3552	60
133	GS47R216	43	2	12	3515	59
140	GS45R216	43	6	11	3072	51
143	Go Soy 4714GTS	43	3	12	3184	53
147	S47RY13	43	3	13	3597	60
150	R2C4775	44	3	12	3681	61
151	P 4516RXS	43	4	13	3683	61
152	P 4620RXS	41	3	11	3388	57
153	P 4799RXS	43	1	12	3174	53
LSD (P=.05)		4.00	1.24	1.200	880.00	15.00
Standard Deviation		2.233	1.618	0.514	271.74	4.479
CV		6.00	34.7	5.700	12.100	12.20

*Height in inches

*Lodging from 1-9, with 1= straight

Table 2C. Performance of Matruity Group 4.8-4.9 at Red River Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
1	DG4880GLY	39	5	12	2709	45
4	DG4825GENRR2Y	38	3	12	3109	52
7	DG4967LL	46	3	13	3202	54
8	DG4970GLY	42	5	12	2815	47
9	DG4995GLY	30	1	11	3315	55
16	REV 49R94	42	5	12	3109	52
17	REV 49A75	43	6	12	2993	50
39	CZ 4818 LL	46	6	12	2850	48
40	CZ 4959 RY	40	1	12	3251	54
42	CZ 4898 RY	42	4	13	3072	51
45	S12-2418	36	1	12	3390	57
51	Rev 48A76	40	3	12	3502	59
52	Rev 48L63	41	2	14	3209	54
53	Rev 49L49	42	1	13	3305	55
71	Armor 49-D90	40	2	12	2992	50
73	AG 48X7	43	1	12	3155	53
75	AG 49X6	37	1	12	3155	53
79	Armor 49-D66	40	2	12	2749	46
80	ARX4906	43	2	11	3459	58
83	Mycogen 5N490R2	40	2	12	3459	58
90	HBKLL4953	42	1	12	3572	59
95	DGX4845RR2	34	1	13	2938	49
100	Rev 48A26	41	7	11	3052	51

101	S49XT07	39	1	12	2571	43
107	P 4900RY	35	1	12	3129	53
110	P 4814LLS	42	6	13	2635	44
115	P 4930LL	45	1	13	3714	62
119	Armor 48-D24	34	1	13	2938	49
121	S48RS53	41	1	13	3108	52
126	Mycogen 5N480R2	41	2	12	50	12
127	S48XT56	35	1	13	2868	48
130	Armor 48-D80	44	1	12	2986	50
131	S49LL34	43	2	14	3781	63
136	GS4915R2	45	2	12	2871	48
141	Go Soy 49G16	27	2	11	3616	60
142	GS48R216	37	3	13	3356	56
144	Go Soy IREANE	21	1	13	3335	56
145	Go Soy 4913LL	42	1	13	3480	58
148	RX4825	34	1	12	3138	52
149	RX4926	38	1	13	2834	47
154	P 4816RX	33	1	13	3062	51
155	P 4944RX	35	2	14	2465	41
LSD (P=.05)		5.00	1.32	2.30	627.00	10.00
Standard Deviation		5.07	1.72	0.79	564.18	7.95
CV		9.00	45.80	9.60	12.40	12.40

*Height in inches

*Lodging from 1-9, with 1= straight

Table 3C. Performance of Matruity Group 5.0-5.3 at Red River Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
3	DG5230GENRR2Y	29	1	12	3296	55
6	DG5067LL	46	4	13	2823	47
11	DG5170GENRR2Y	45	4	14	3123	52
13	REV 51A56	46	8	13	2840	47
31	CZ 5147 LL	25	1	12	3416	57
34	CZ 5242 LL	48	3	12	2891	48
43	CZ 5150 LL	45	3	13	3773	63
46	S11-17025	26	1	13	3372	56
47	S11-20124	36	4	11	3821	64
49	S12-4718	26	1	12	3130	52
57	UA 5213C	27	1	12	3476	58
60	R09-430	26	1	13	3692	62
61	UA 5014C	24	1	13	2852	48
77	AG 53X6	25	1	13	3377	57
91	CZ 5375 RY	28	1	12	3719	62
94	Armor 53-D04	29	1	12	3582	60
98	CZ 5225 LL	29	1	12	3666	61
103	Mycogen 5N523R2	45	4	13	3021	50
108	P 5289RY	51	8	12	2029	35
113	P 5226RYS	50	5	13	3333	56
122	S52LL66	48	6	13	2666	44
123	S52RY77	33	1	12	3610	60

135	Schillinger 5220.RC	42	3	13	3092	52
137	Go Soy 5214GTS	37	6	12	3024	51
138	Go Soy 5115LL	45	4	13	3234	54
146	Go Soy LELAND	29	1	12	3667	61
156	P 5016RXS	43	2	12	3180	53
LSD (P=.05)		5.00	1.50	1.20	497.00	8.00
Standard Deviation		9.51	2.21	0.63	409.20	6.70
CV		9.40	36.70	7.10	10.90	10.80

*Height in inches

*Lodging from 1-9, with 1= straight

Table 3C. Performance of Matruity Group 5.4-6.6 at Red River Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
2	DG5625GENRR2Y	31	1	14	3240	55
14	REV 57R21	39	4	16	3447	57
15	REV 56R63	31	2	15	3606	60
19	REV 52A95	28	3	18	3895	65
20	DG5461LL	44	2	10	3252	54
26	P 54T94R	26	1	15	3997	67
28	DG5580GENRR2Y	31	2	15	3877	65
30	CZ 5515 LL	52	5	22	1678	28
41	CZ 5445 LL	28	1	14	3773	63
55	R10-197RY	29	1	15	3624	60
56	UA 5612	31	1	15	3478	58
58	OSAGE	25	1	15	3924	65
59	R10-230	33	2	16	3495	58
62	UA 5414RR	27	1	14	3579	60
63	R07-6614RR	35	1	16	3174	53
64	UA 5814HP	30	1	15	2947	49
66	AG 55X7	27	1	16	3504	58
69	Armor 55-R68	31	2	16	3254	54
76	AG 54X6	47	2	26	2376	40
78	ARX5506	51	2	15	2789	46
87	AG 59X7	34	1	18	3125	52
96	S55Q3	32	1	14	3930	66
105	P 5555RY	33	2	15	3472	58
112	P 5414LLS	32	1	16	3507	58
118	P 5752RY	30	1	14	3523	59
124	S57RY26	28	1	14	3306	55
125	S56RY84	36	2	16	3503	58
134	Go Soy 5515LL	28	1	15	3526	59
139	Schillinger 557.RC	30	1	14	3540	59
157	P 5417RX	29	1	14	3173	53
158	P 5768RX	30	1	25	2539	42
159	P 5631RX	49	2	17	3057	51
160	P 5623LL	30	2	16	3056	51
LSD (P=.05)		5.00	0.81	3.70	522.00	9.00
Standard Deviation		7.30	0.86	3.15	482.62	8.04
CV		12.20	38.90	16.50	11.50	11.50

*Height in inches

*Lodging from 1-9, with 1= 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:	Red River Research Station				
Planting Dates:	5/18/2016, 5/19/2016				
Harvest Dates:	MG 3.0-4.4 9/30/2016, MG 4.5-4.7 10/3/2016, MG 4.8-4.9 10/3/2016, MG 5.0-5.3 10/12/2016, MG 5.4-6.9 10/17/2016				
MG 3.0-4.4					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Valor + Dual	Rate:	3 oz/A + 1 1/2 pts/A	Date:	5/19/2016
Post Herb 1:	Reflex + Shadow + Agri-dex	Rate:	1 1/2 pts/A + 1 pt/A + 1 qt/A	Date:	6/11/2016
Post Herb 2:	Baythroid	Rate:		Date:	7/1/2016
Post Herb 3:	Shadow + Agri-dex	Rate:	1 pt/A + 1 qt/A	Date:	7/26/2016
Post Herb 4:	Beseige	Rate:	10 oz/A	Date:	8/25/2016
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:	Valor + Dual	Rate:	3 oz/A + 1 1/2 pts/A	Date:	5/18/2016
Post Herb 1:	Reflex + Shadow + Agri-dex	Rate:	1 1/2 pts/A + 1 pt/A + 1 qt/A	Date:	6/11/2016
Post Herb 2:	Baythroid	Rate:		Date:	7/1/2016
Post Herb 3:	Shadow + Agri-dex	Rate:	1 pt/A + 1 qt/A	Date:	7/26/2016
Post Herb 4:	Beseige	Rate:	10 oz/A	Date:	8/25/2016
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:	Valor + Dual	Rate:	3 oz/A + 1 1/2 pts/A	Date:	5/18/2016
Post Herb 1:	Reflex + Shadow + Agri-dex	Rate:	1 1/2 pts/A + 1 pt/A + 1 qt/A	Date:	6/11/2016
Post Herb 2:	Baythroid	Rate:		Date:	7/1/2016
Post Herb 3:	Shadow + Agri-dex	Rate:	1 pt/A + 1 qt/A	Date:	7/26/2016

Post Herb 4:	Beseige	Rate:	10 oz/A	Date:	8/25/2016
Post Herb 5:		Rate:		Date:	
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:	Valor + Dual	Rate:	3 oz/A + 1 1/2 pts/A	Date:	5/19/2016
Post Herb 1:	Reflex + Shadow + Agri- dex	Rate:	1 1/2 pts/A + 1 pt/A + 1 qt/A	Date:	6/11/2016
Post Herb 2:	Baythroid	Rate:		Date:	7/1/2016
Post Herb 3:	Shadow + Agri- dex	Rate:	1 pt/A + 1 qt/A	Date:	7/26/2016
Post Herb 4:	Beseige	Rate:	10 oz/A	Date:	8/25/2016
Post Herb 5:		Rate:		Date:	
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:	Valor + Dual	Rate:	3 oz/A + 1 1/2 pts/A	Date:	5/19/2016
Post Herb 1:	Reflex + Shadow + Agri- dex	Rate:	1 1/2 pts/A + 1 pt/A + 1 qt/A	Date:	6/11/2016
Post Herb 2:	Baythroid	Rate:		Date:	7/1/2016
Post Herb 3:	Shadow + Agri- dex	Rate:	1 pt/A + 1 qt/A	Date:	7/26/2016
Post Herb 4:	Beseige	Rate:	10 oz/A	Date:	8/25/2016
Post Herb 5:		Rate:		Date:	
Harvest Aid:		Rate:		Date:	