

Table 1C. Performance of Matruity Group 3.0-4.4 at Macon Ridge Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
21	S39-T3	35	1	20	2626	44
23	S39-C4	34	1	16	2471	41
24	P41T33R	37	1	17	2364	39
32	CZ 3841 LL	35	1	14	1727	29
36	CZ 4181 RY	44	1	16	2745	46
37	CZ 3945 LL	31	1	13	1555	26
38	CZ 4222 LL	36	1	15	2757	46
65	AG 44X6	37	1	30	3151	53
81	S42-P6	34	1	20	2141	36
82	Mycogen 5N414R2	45	1	15	2229	37
84	Mycogen 5N433R2	40	1	23	2797	47
85	Mycogen 5N406R2	34	1	15	2144	36
89	CZ 4105 LL	31	1	14	2145	36
92	CZ 4044 LL	32	1	12	1555	26
99	CZ 3991 RY	33	1	16	1853	31
102	Mycogen 5N424R2	31	1	15	2489	41
109	P 4211RY	35	1	11	1981	33
111	P 4247LL	38	1	13	2084	35
120	S43RY95	40	1	22	3269	54
128	S42RY77	33	1	21	2200	37
LSD (P=.05)		-	-	-	-	-
Standard Deviation		4.155	0.000	4.510	479.296	7.988
CV		11.627	0.000	26.746	20.712	20.712

*Height in inches

*Lodging from 1-9, with 1= straight

Table 2C. Performance of Matruity Group 4.5-4.7 at Macon Ridge Station in 2016							
Entry No.	Variety	Maturity	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
5	DG4670GENRR2Y	128	35	1	14	3004	50
10	DG4790GENRR2Y	129	40	1	18	2911	49
12	DG4587 LL	130	39	1	15	3168	53
18	REV 47R34	125	42	1	14	3033	51
22	S47-K5	125	30	1	14	2512	42
25	P47T36R	130	37	1	15	3316	55
27	P47T89R	129	38	1	13	3471	58
29	CZ 4540 LL	128	42	1	14	3132	52
33	CZ 4656 RY	123	41	1	14	2929	49
35	CZ 4748 LL	126	39	1	14	2605	43
44	CZ 4590 RY	126	39	1	13	3265	54
48	S12-3782	130	41	1	14	2712	45
50	S12-3791	128	31	1	13	2546	42
54	REV 48A26	131	36	1	21	3207	53
67	AG 45X6	128	36	1	15	2712	45
68	AG 46X6	129	33	1	14	2878	48
70	Armor 47-R70	129	38	1	17	2905	48
72	AG 46X7	129	37	1	15	2496	42
74	AG 47X6	128	41	1	21	2627	44
86	Mycogen 5N452R2	126	34	1	15	2993	50

88	Armor 47-D17	128	39	1	18	2904	48
93	ARX4706	131	37	1	23	2696	45
97	S45W9	128	28	1	17	2552	43
104	Armor 46-D08	126	35	1	15	3371	56
106	P 4788RY	128	43	1	15	2768	46
114	P 4757RY	130	38	1	17	3103	52
116	P 4613RY	126	39	1	17	2928	49
117	P 4588RY	123	34	1	14	2527	42
129	Rev 45A46	130	37	1	15	3174	53
132	S45XS66	128	40	1	16	2654	44
133	GS47R216	129	42	1	14	3109	52
140	GS45R216	126	36	1	17	3095	52
143	Go Soy 4714GTS	126	42	1	14	2881	48
147	S47RY13	126	39	1	16	3078	51
150	R2C4775	129	40	1	16	2994	50
151	P 4516RXS	130	38	1	17	2882	48
152	P 4620RXS	130	39	1	18	2942	49
153	P 4799RXS	129	40	1	11	2422	40
LSD (P=.05)		-	-	-	-	-	-
Standard Deviation		2.048	3.514	0.000	2.347	266.725	4.445
CV		1.601	9.347	0.000	15.050	9.172	9.172

*Height in inches

*Lodging from 1-9, with 1= straight

Table 2C. Performance of Matruity Group 4.8-4.9 at Macon Ridge Station in 2016							
Entry No.	Variety	Maturity	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
1	DG4880GLY	126	35	1	12	3285	55
4	DG4825GENRR2Y	129	35	1	15	5415	90
7	DG4967LL	132	44	1	15	2929	49
8	DG4970GLY	128	42	1	13	2692	45
9	DG4995GLY	126	33	1	11	3441	57
16	REV 49R94	129	39	1	15	3080	51
17	REV 49A75	123	46	1	14	3124	52
39	CZ 4818 LL	123	47	1	13	2953	49
40	CZ 4959 RY	129	35	1	12	4218	70
42	CZ 4898 RY	125	41	1	12	3634	61
45	S12-2418	131	37	1	17	2882	48
51	Rev 48A76	129	36	1	16	3016	50
52	Rev 48L63	130	44	1	14	1845	31
53	Rev 49L49	128	43	1	13	2902	48
71	Armor 49-D90	132	35	1	16	3094	52
73	AG 48X7	126	40	1	12	3021	50
75	AG 49X6	129	39	1	13	2391	40
79	Armor 49-D66	123	37	1	13	2351	39
80	ARX4906	122	43	1	12	3202	53
83	Mycogen 5N490R2	128	34	1	19	3045	51
90	HBKLL4953	128	42	1	13	3043	51
95	DGX4845RR2	131	33	1	17	3871	65
100	Rev 48A26	132	37	1	16	3179	53
101	S49XT07	125	37	1	14	2493	42
107	P 4900RY	132	34	1	19	3171	53
110	P 4814LLS	125	43	1	15	2581	43

115	P 4930LL	129	41	1	15	3021	50
119	Armor 48-D24	129	34	1	15	3397	57
121	S48RS53	123	40	1	12	2616	44
126	Mycogen 5N480R2	128	46	1	12	2714	45
127	S48XT56	132	32	1	20	3198	53
130	Armor 48-D80	125	42	1	12	2546	42
131	S49LL34	129	41	1	14	3049	51
136	GS4915R2	128	37	1	12	2485	41
141	Go Soy 49G16	126	34	1	14	3430	57
142	GS48R216	128	29	1	14	3131	52
144	Go Soy IREANE	131	28	1	15	4462	74
145	Go Soy 4913LL	129	42	1	17	2940	49
148	RX4825	131	32	1	22	3790	63
149	RX4926	125	38	1	13	2574	43
154	P 4816RX	131	33	1	19	3249	54
155	P 4944RX	125	36	1	13	2545	42
LSD (P=.05)		-	-	-	-	-	-
Standard Deviation		2.941	4.592	0.000	2.518	615.035	10.251
CV		2.299	12.137	0.000	17.329	19.870	19.870

*Height in inches

*Lodging from 1-9, with 1= straight

Table 3C. Performance of Matruity Group 5.0-5.3 at Macon Ridge Station in 2016							
Entry No.	Variety	Maturity	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
3	DG5230GENRR2Y	125	30	1	12	2804	47
6	DG5067LL	131	45	1	12	2646	44
11	DG5170GENRR2Y	132	43	1	14	2801	47
13	REV 51A56	131	44	1	15	2109	35
31	CZ 5147 LL	129	32	1	13	2749	46
34	CZ 5242 LL	132	42	1	12	2930	49
43	CZ 5150 LL	133	37	1	14	2282	38
46	S11-17025	130	32	1	12	2997	50
47	S11-20124	128	31	1	12	3180	53
49	S12-4718	130	29	1	12	3248	54
57	UA 5213C	126	29	1	12	3238	54
60	R09-430	128	29	1	12	2653	44
61	UA 5014C	130	31	1	12	2271	38
77	AG 53X6	126	33	1	12	2356	39
91	CZ 5375 RY	130	29	1	11	2970	49
94	Armor 53-D04	132	32	1	12	2885	48
98	CZ 5225 LL	127	27	1	11	2605	43
103	Mycogen 5N523R2	133	45	1	15	2222	37
108	P 5289RY	133	44	1	13	1920	32
113	P 5226RYS	133	40	1	14	2606	43
122	S52LL66	132	45	1	12	2765	46
123	S52RY77	126	30	1	12	2685	45
135	Schillinger 5220.RC	133	45	1	16	2337	39
137	Go Soy 5214GTS	128	40	1	11	3140	52
138	Go Soy 5115LL	133	46	1	13	2026	34

146	Go Soy LELAND	126	30	1	11	3127	52
156	P 5016RXS	132	40	1	18	2096	35
LSD (P=.05)		-	-	-	-	-	-
Standard Deviation		2.653	6.746	0.000	1.618	394.896	6.582
CV		2.041	18.629	0.000	12.662	14.881	14.881

*Height in inches

*Lodging from 1-9, with 1= straight

Table 3C. Performance of Matruity Group 5.4-6.6 at Macon Ridge Station in 2016							
Entry No.	Variety	Maturity	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
2	DG5625GENRR2Y	132	34	1	11	2506	42
14	REV 57R21	133	41	1	12	2384	40
15	REV 56R63	132	37	1	11	2891	48
19	REV 52A95	132	32	1	11	2835	47
20	DG5461LL	133	46	1	11	2470	41
26	P 54T94R	133	30	1	10	3327	55
28	DG5580GENRR2Y	132	29	1	11	3048	51
30	CZ 5515 LL	139	52	1	21	1704	28
41	CZ 5445 LL	133	31	1	11	2596	43
55	R10-197RY	133	34	1	13	2330	39
56	UA 5612	133	35	1	12	2701	45
58	OSAGE	132	27	1	11	2617	44
59	R10-230	135	34	1	12	2371	40
62	UA 5414RR	132	32	1	11	2368	39
63	R07-6614RR	134	33	1	11	2626	44
64	UA 5814HP	133	33	1	11	2449	41
66	AG 55X7	133	26	1	10	2117	35
69	Armor 55-R68	132	33	1	11	2766	46
76	AG 54X6	136	48	1	13	2158	36
78	ARX5506	131	49	1	11	2160	36
87	AG 59X7	137	32	1	13	2517	42
96	S55Q3	131	36	1	11	3115	52
105	P 5555RY	133	36	1	12	2795	47
112	P 5414LLS	133	34	1	11	2303	38
118	P 5752RY	133	32	1	11	2934	49
124	S57RY26	133	31	1	11	2749	46
125	S56RY84	133	36	1	11	2784	46
134	Go Soy 5515LL	132	33	1	10	2653	44
139	Schillinger 557.RC	133	30	1	11	2670	44
157	P 5417RX	133	33	1	13	2019	34
158	P 5768RX	133	25	1	11	2177	36
159	P 5631RX	131	48	1	12	2290	38
160	P 5623LL	134	30	1	11	3009	50
LSD (P=.05)		-	-	-	-	-	-
Standard Deviation		1.660	6.771	0.000	1.754	349.299	5.822
CV		1.247	19.447	0.000	15.167	13.651	13.651

*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:	Macon Ridge Research Station				
Planting Dates:	5/6/2016				
Harvest Dates:	9/26-29/2016				
MG 3.0-4.4					
Foliar Insecticide 1:	Orthene	Rate:	0.5 lb/A	Date:	6/24/2016
Foliar Insecticide 2:	Bidrin	Rate:	8.0 oz/A	Date:	8/19/2016
Foliar Insecticide 3:	Triple Crown	Rate:	4.0 oz/A	Date:	8/19/2016
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Authority	Rate:	25 oz/A	Date:	
Post Herb 1:	Dual + Gramoxone	Rate:	12 oz/A + 1 qt/A	Date:	6/30/2016
Post Herb 2:		Rate:		Date:	
Post Herb 3:		Rate:		Date:	
Post Herb 4:		Rate:		Date:	
Post Herb 5:		Rate:		Date:	
Harvest Aid:		Rate:		Date:	
MG 4.5-4.7					
Foliar Insecticide 1:	Orthene	Rate:	0.5 lb/A	Date:	6/24/2016
Foliar Insecticide 2:	Bidrin	Rate:	8.0 oz/A	Date:	8/19/2016
Fungicide application	Triple Crown	Rate:	4.0 oz/A	Date:	8/19/2016
Pre Emerge Herb 1:		Rate:		Date:	
Post Herb 1:	Authority	Rate:	25 oz/A	Date:	
Post Herb 2:	Dual + Gramoxone	Rate:	12 oz/A + 1 qt/A	Date:	6/30/2016
Post Herb 3:		Rate:		Date:	
Post Herb 4:		Rate:		Date:	
Post Herb 5:		Rate:		Date:	
Harvest Aid:		Rate:		Date:	
MG 4.8-4.9					
Foliar Insecticide 1:	Orthene	Rate:	0.5 lb/A	Date:	6/24/2016
Foliar Insecticide 2:	Bidrin	Rate:	8.0 oz/A	Date:	8/19/2016
Fungicide application	Triple Crown	Rate:	4.0 oz/A	Date:	8/19/2016
Pre Emerge Herb 1:		Rate:		Date:	
Post Herb 1:	Authority	Rate:	25 oz/A	Date:	
Post Herb 2:	Dual + Gramoxone	Rate:	12 oz/A + 1 qt/A	Date:	6/30/2016
Post Herb 3:		Rate:		Date:	
Post Herb 4:		Rate:		Date:	
Post Herb 5:		Rate:		Date:	
Harvest Aid:		Rate:		Date:	
MG 5.0-5.3					
Foliar Insecticide 1:	Orthene	Rate:	0.5 lb/A	Date:	6/24/2016
Foliar Insecticide 2:	Bidrin	Rate:	8.0 oz/A	Date:	8/19/2016
Fungicide application	Triple Crown	Rate:	4.0 oz/A	Date:	8/19/2016
Pre Emerge Herb 1:		Rate:		Date:	
Post Herb 1:	Authority	Rate:	25 oz/A	Date:	
Post Herb 2:	Dual + Gramoxone	Rate:	12 oz/A + 1 qt/A	Date:	6/30/2016
Post Herb 3:		Rate:		Date:	

Post Herb 4:		Rate:		Date:	
Post Herb 5:		Rate:		Date:	
Harvest Aid:		Rate:		Date:	
MG 5.4-6.9					
Foliar Insecticide 1:	Orthene	Rate:	0.5 lb/A	Date:	6/24/2016
Foliar Insecticide 2:	Bidrin	Rate:	8.0 oz/A	Date:	8/19/2016
Fungicide application	Triple Crown	Rate:	4.0 oz/A	Date:	8/19/2016
Pre Emerge Herb 1:		Rate:		Date:	
Post Herb 1:	Authority	Rate:	25 oz/A	Date:	
Post Herb 2:	Dual + Gramoxone	Rate:	12 oz/A + 1 qt/A	Date:	6/30/2016
Post Herb 3:		Rate:		Date:	
Post Herb 4:		Rate:		Date:	
Post Herb 5:		Rate:		Date:	
Harvest Aid:		Rate:		Date:	

Comments: