

Table 1C. Performance of Matruity Group 3.0-4.4 at Northeast Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
21	S39-T3	37	2	11	4051	69
23	S39-C4	39	1	11	4282	73
24	P41T33R	39	1	12	4508	76
32	CZ 3841 LL	35	3	11	4145	71
36	CZ 4181 RY	44	2	11	4472	76
37	CZ 3945 LL	31	1	11	4453	76
38	CZ 4222 LL	38	2	11	4281	73
65	AG 44X6	38	2	11	4461	76
81	S42-P6	37	1	11	4466	76
82	Mycogen 5N414R2	44	3	11	4740	81
84	Mycogen 5N433R2	41	2	11	4654	79
85	Mycogen 5N406R2	34	4	11	3376	57
89	CZ 4105 LL	36	1	11	3833	65
92	CZ 4044 LL	32	2	11	4013	68
99	CZ 3991 RY	33	1	11	4086	70
102	Mycogen 5N424R2	37	1	11	4613	79
109	P 4211RY	37	1	11	4629	79
111	P 4247LL	38	1	11	4458	76
120	S43RY95	41	3	11	4749	81
128	S42RY77	37	2	11	4259	72
LSD (P=.05)		-	-	-	-	-
Standard Deviation		3.426	0.835	0.161	338.289	5.752
CV		9.126	48.388	1.440	7.819	7.813

*Height in inches

*Lodging from 1-9, with 1= straight

Table 2C. Performance of Matruity Group 4.5-4.7 at Northeast Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
5	DG4670GENRR2Y	39	1	13	4892	82
10	DG4790GENRR2Y	39	3	13	4842	81
12	DG4587 LL	40	1	12	4410	74
18	REV 47R34	45	4	13	4820	80
22	S47-K5	38	1	13	4611	77
25	P47T36R	41	1	13	5098	85
27	P47T89R	42	1	12	5133	86
29	CZ 4540 LL	44	1	13	4607	77
33	CZ 4656 RY	43	2	13	3637	61
35	CZ 4748 LL	44	3	12	3926	66
44	CZ 4590 RY	47	1	12	4604	77
48	S12-3782	42	4	13	3858	65
50	S12-3791	33	1	13	4290	72

54	REV 48A26	40	2	12	4932	83
67	AG 45X6	36	0	14	4630	77
68	AG 46X6	37	2	13	5458	91
70	Armor 47-R70	42	2	13	4397	73
72	AG 46X7	40	2	12	4799	81
74	AG 47X6	46	2	13	4897	82
86	Mycogen 5N452R2	38	4	12	4773	80
88	Armor 47-D17	40	2	13	4769	79
93	ARX4706	49	0	14	4963	82
97	S45W9	31	0	13	4978	83
104	Armor 46-D08	40	1	13	4952	83
106	P 4788RY	43	3	14	4684	78
114	P 4757RY	44	3	13	4654	78
116	P 4613RY	44	3	13	4419	74
117	P 4588RY	38	4	13	3773	63
129	Rev 45A46	41	1	13	5103	85
132	S45XS66	41	3	13	5056	84
133	GS47R216	44	1	13	4662	78
140	GS45R216	49	3	13	5049	84
143	Go Soy 4714GTS	47	3	13	4633	77
147	S47RY13	41	2	13	4645	78
150	R2C4775	43	2	13	4393	73
151	P 4516RXS	43	2	13	4871	82
152	P 4620RXS	40	1	13	5063	84
153	P 4799RXS	48	1	13	4757	79
LSD (P=.05)		-	-	-	-	-
Standard Deviation		3.959	1.111	0.337	393.770	6.536
CV		9.510	58.893	2.620	8.404	8.356

*Height in inches

*Lodging from 1-9, with 1= straight

Table 2C. Performance of Matruity Group 4.8-4.9 at Northeast Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
1	DG4880GLY	38	2	10	4341	75
4	DG4825GENRR2Y	35	1	10	4636	80
7	DG4967LL	35	6	10	3678	63
8	DG4970GLY	45	4	11	4072	70
9	DG4995GLY	35	1	10	4131	71
16	REV 49R94	39	2	10	4850	84
17	REV 49A75	46	2	10	4308	74
39	CZ 4818 LL	45	5	11	3866	66
40	CZ 4959 RY	39	1	10	4406	76
42	CZ 4898 RY	53	2	11	3649	62

45	S12-2418	39	2	11	4620	79
51	Rev 48A76	41	1	10	4769	82
52	Rev 48L63	46	2	10	4216	73
53	Rev 49L49	52	3	11	4435	76
71	Armor 49-D90	38	1	11	4508	77
73	AG 48X7	45	1	11	3712	63
75	AG 49X6	39	2	11	3704	63
79	Armor 49-D66	39	1	10	3004	52
80	ARX4906	51	4	10	3416	59
83	Mycogen 5N490R2	40	1	11	4811	82
90	HBKLL4953	50	6	10	4028	69
95	DGX4845RR2	34	1	11	5153	88
100	Rev 48A26	41	3	10	4712	81
101	S49XT07	41	1	10	3028	52
107	P 4900RY	35	1	10	4477	77
110	P 4814LLS	49	4	11	3845	66
115	P 4930LL	53	5	10	4075	70
119	Armor 48-D24	37	1	11	4823	82
121	S48RS53	43	2	11	3956	68
126	Mycogen 5N480R2	44	1	11	3883	66
127	S48XT56	35	1	10	4785	82
130	Armor 48-D80	48	1	10	3593	62
131	S49LL34	52	6	10	3964	68
136	GS4915R2	46	1	10	3452	59
141	Go Soy 49G16	33	3	10	4130	71
142	GS48R216	33	1	11	4857	83
144	Go Soy IREANE	30	1	10	4623	80
145	Go Soy 4913LL	48	5	10	4201	72
148	RX4825	36	1	10	4944	85
149	RX4926	39	1	10	3298	57
154	P 4816RX	39	1	11	4879	83
155	P 4944RX	37	1	11	3421	58
LSD (P=.05)		-	-	-	-	-
Standard Deviation		6.153	1.611	0.380	555.095	9.493
CV		14.824	72.557	3.662	13.303	13.253

*Height in inches

*Lodging from 1-9, with 1= straight

Table 3C. Performance of Matruity Group 5.0-5.3 at Northeast Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
3	DG5230GENRR2Y	36	1	11	4106	70
6	DG5067LL	51	8	12	3745	63

11	DG5170GENRR2Y	48	4	11	4577	78
13	REV 51A56	37	2	11	4432	76
31	CZ 5147 LL	30	0	11	4219	72
34	CZ 5242 LL	50	7	12	3742	63
43	CZ 5150 LL	51	7	12	4046	68
46	S11-17025	31	1	11	5004	85
47	S11-20124	38	3	11	4306	74
49	S12-4718	27	1	11	4663	79
57	UA 5213C	32	0	11	3918	67
60	R09-430	28	0	11	4414	75
61	UA 5014C	30	0	11	4314	73
77	AG 53X6	32	1	11	4280	73
91	CZ 5375 RY	31	1	11	4494	76
94	Armor 53-D04	35	0	11	4760	81
98	CZ 5225 LL	30	1	11	4107	70
103	Mycogen 5N523R2	48	4	11	4465	76
108	P 5289RY	60	6	11	3089	53
113	P 5226RYS	53	4	11	4032	68
122	S52LL66	51	7	11	3553	60
123	S52RY77	38	1	11	3791	65
135	Schillinger 5220.RC	39	1	11	4238	72
137	Go Soy 5214GTS	44	3	11	4096	70
138	Go Soy 5115LL	53	5	11	3815	65
146	Go Soy LELAND	38	1	11	4247	73
156	P 5016RXS	34	1	11	4247	72
LSD (P=.05)		-	-	-	-	-
Standard Deviation		9.521	2.468	0.323	398.869	6.850
CV		23.988	102.926	2.896	9.556	9.641

*Height in inches

*Lodging from 1-9, with 1= straight

Table 3C. Performance of Matruity Group 5.4-6.6 at Northeast Station in 2016						
Entry No.	Variety	Plant Height*	Lodging*	Moisture	Yield (lb/A)	Yield (bu/A)
2	DG5625GENRR2Y	35	1	10	4427	76
14	REV 57R21	40	2	10	4139	72
15	REV 56R63	38	2	10	4085	71
19	REV 52A95	35	2	9	3791	66
20	DG5461LL	50	3	10	3867	67
26	P 54T94R	32	1	9	4504	78
28	DG5580GENRR2Y	32	2	10	4445	77
30	CZ 5515 LL	68	7	11	3047	52
41	CZ 5445 LL	30	1	9	3923	68
55	R10-197RY	35	1	10	4393	76

56	UA 5612	33	2	10	4324	75
58	OSAGE	30	1	10	4255	74
59	R10-230	35	1	10	4038	70
62	UA 5414RR	34	1	10	3635	63
63	R07-6614RR	37	2	10	3567	62
64	UA 5814HP	35	1	10	3421	59
66	AG 55X7	29	1	9	4675	81
69	Armor 55-R68	33	1	10	4629	80
76	AG 54X6	46	1	10	3889	67
78	ARX5506	56	5	10	2819	49
87	AG 59X7	28	1	10	4016	69
96	S55Q3	39	2	9	4183	73
105	P 5555RY	40	1	10	4478	78
112	P 5414LLS	33	1	9	3921	68
118	P 5752RY	35	1	9	4461	78
124	S57RY26	33	1	9	4481	78
125	S56RY84	37	2	9	4406	76
134	Go Soy 5515LL	38	1	9	3973	69
139	Schillinger 557.RC	33	1	10	4030	70
157	P 5417RX	37	1	9	4363	76
158	P 5768RX	26	1	10	3323	58
159	P 5631RX	52	4	10	3332	57
160	P 5623LL	37	1	10	4102	71
LSD (P=.05)		-	-	-	-	-
Standard Deviation		8.616	1.321	0.344	460.084	8.106
CV		23.117	79.630	3.594	11.421	11.612

*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:	Northeast Research Station				
Planting Dates:	5/6/2016				
Tillage:	Conventional				
Harvest Dates:	9/26-28/2016				
MG 3.0-4.4					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Authority Elite	Rate:	1qt/A	Date:	5/7/2016
Post Herb 1:	Clethodim + COC	Rate:	16 oz/A + 1%	Date:	5/31/2016
Post Herb 2:	Storm + NIS	Rate:	24 oz + .25%	Date:	6/24/2016

Post Herb 3:	Orthene + Imidacloprid + Double Take	Rate:	0.5 lb/A + 2 oz/A + 4 oz/A	Date:	7/21/2016
Post Herb 4:	Orthene + Leverage 360	Rate:	0.5 lb/A + 3 oz/A	Date:	8/3/2016
Post Herb 5:		Rate:		Date:	
Harvest Aid:	Gramoxone + Sharpen + Firezone	Rate:	16 oz/A + 2 oz/A + 1%	Date:	9/19/2016
MG 4.5-4.7					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Authority Elite	Rate:	1qt/A	Date:	5/7/2016
Post Herb 1:	Clethodim + COC	Rate:	16 oz/A + 1%	Date:	5/31/2016
Post Herb 2:	Storm + NIS	Rate:	24 oz + .25%	Date:	6/24/2016
Post Herb 3:	Orthene + Imidacloprid + Double Take	Rate:	0.5 lb/A + 2 oz/A + 4 oz/A	Date:	7/21/2016
Post Herb 4:	Orthene + Leverage 360	Rate:	0.5 lb/A + 3 oz/A	Date:	8/3/2016
Post Herb 5:		Rate:		Date:	
Harvest Aid:	Gramoxone + Sharpen + Firezone	Rate:	16 oz/A + 2 oz/A + 1%	Date:	9/19/2016
MG 4.8-4.9					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Authority Elite	Rate:	1qt/A	Date:	5/7/2016
Post Herb 1:	Clethodim + COC	Rate:	16 oz/A + 1%	Date:	5/31/2016
Post Herb 2:	Storm + NIS	Rate:	24 oz + .25%	Date:	6/24/2016
Post Herb 3:	Orthene + Imidacloprid + Double Take	Rate:	0.5 lb/A + 2 oz/A + 4 oz/A	Date:	7/21/2016
Post Herb 4:	Orthene + Leverage 360	Rate:	0.5 lb/A + 3 oz/A	Date:	8/3/2016
Post Herb 5:		Rate:		Date:	

Harvest Aid:	Gramoxone + Sharpen + Firezone	Rate:	16 oz/A + 2 oz/A + 1%	Date:	9/19/2016
MG 50.-5.3					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Authority Elite	Rate:	1qt/A	Date:	5/7/2016
Post Herb 1:	Clethodim + COC	Rate:	16 oz/A + 1%	Date:	5/31/2016
Post Herb 2:	Storm + NIS	Rate:	24 oz + .25%	Date:	6/24/2016
Post Herb 3:	Orthene + Imidacloprid + Double Take	Rate:	0.5 lb/A + 2 oz/A + 4 oz/A	Date:	7/21/2016
Post Herb 4:	Orthene + Leverage 360	Rate:	0.5 lb/A + 3 oz/A	Date:	8/3/2016
Post Herb 5:		Rate:		Date:	
Harvest Aid:	Gramoxone + Sharpen + Firezone	Rate:	16 oz/A + 2 oz/A + 1%	Date:	9/19/2016
MG 5.4-6.9					
Foliar Insecticide 1:		Rate:		Date:	
Foliar Insecticide 2:		Rate:		Date:	
Fungicide application		Rate:		Date:	
Pre Emerge Herb 1:	Authority Elite	Rate:	1qt/A	Date:	5/7/2016
Post Herb 1:	Clethodim + COC	Rate:	16 oz/A + 1%	Date:	5/31/2016
Post Herb 2:	Storm + NIS	Rate:	24 oz + .25%	Date:	6/24/2016
Post Herb 3:	Orthene + Imidacloprid + Double Take	Rate:	0.5 lb/A + 2 oz/A + 4 oz/A	Date:	7/21/2016
Post Herb 4:	Orthene + Leverage 360	Rate:	0.5 lb/A + 3 oz/A	Date:	8/3/2016
Post Herb 5:		Rate:		Date:	
Harvest Aid:	Gramoxone + Sharpen + Firezone	Rate:	16 oz/A + 2 oz/A + 1%	Date:	9/19/2016

Comments: