

2012 Breeding Cross Observations Summary (3 Locations)					
Pedigree	Heterotic	Overall Rating			
	Group	Ames	G&S	AgReliant	Average
(GEMN-0097/GEMN-0155)-B	NS	5	4	8	5.7
(GEMN-0179/GEMN-0205)-B	NS	6	6	5	5.7
(GEMN-0192/GEMN-0193)-B	NS	5	5	3	4.3
(GEMN-0193/GEMN-0179)-B	NS	4	5	5	4.7
(GEMN-0196/GEMN-0205)-B	NS	3	7	4	4.7
(GEMN-0210/GEMN-0192)-B	NS	5	6	4	5.0
(GEMN-0217/GEMN-0192)-B	NS	3	7	4	4.7
(GEMS-0003/GEMS-0032)-B	SS	3	7	2	4.0
(GEMS-0115/GEMS-0219)-B	SS	2	6	5	4.3
(GEMS-0115/Mp717)/TZAR101	SS	4	7	5	5.3
(GEMS-0215/GEMS-0219)-B	SS	3	6	6	5.0
(H8431/GEMS-0032)-B	SS	3	3	7	4.3
H8431/((GEMS-0115/Mp717)/TZAR101)	SS	7	6	8	7.0
794/((GEMS-0115/Mp717)/TZAR101)	SS	6	6	6	6.0
ATL100:N(LH82)(GEMN-0155)	NS	5	7	7	6.3
ATL100:S(PHJ40)(GEMS-0188)	SS	7	6	7	6.7
A619xA632	Check	6	6	-	6.0
BG002:N(SG17)49y	NS	6	6	3	5.0
BG002:N(SG17)(PHK76)	NS	4	6	7	5.7
BG002:N(LH52)49y	NS	5	5	5	5.0
BG002:N(LH52)(LH82)	NS	7	5	8	6.7
BG002:S(DJ7)49x	SS	6	5	3	4.7
BG002:S(DJ7)T47(794)	SS	5	6	3	4.7
BG002:S(DJ7)T47(PHJ40)	SS	6	5	5	5.3
BR105:N(GEMN-0137)(LH61)	NS	3	7	2	4.0
BR105:N(GEMN-0179)41	NS	3	7	7	5.7
BR105:N(GEMN-0179)(LH162)	NS	4	4	4	4.0
BR105:N(GEMN-0174)49y	NS	6	5	2	4.3
BR44083:N(PHK76)(GEMN-0205)	NS	4	6	4	4.7
BR105:N(SG17)T47(LH82)	NS	6	5	5	5.3
BR105:N(SG17)T47(LH61)	NS	6	6	4	5.3
BR105:N(SG17)T47(PHK76)	NS	3	6	3	4.0
BR105:S(DJ7)T47(794)	SS	3	5	4	4.0
B73xMo17	Check	8	5	-	6.5
BR105:S(DJ7)T47(PHJ40)	SS	6	6	3	5.0
BR105:S(DJ7)T47(H8431)	SS	5	6	5	5.3
BR106:N(SG17)T47(794)	NS	3	5	4	4.0
BR106:N(SG17)T47(LH82)	NS	3	6	8	5.7
BR106:N(SG17)T47(LH61)	NS	4	5	5	4.7
BR106:N(SG17)T47(PHK76)	NS	4	4	4	4.0
BR106:S(DJ7)T47(794)	SS	6	6	3	5.0
BR106:S(DJ7)T47(PHJ40)	SS	5	6	5	5.3
BR106:T33bS(H8431)	SS	3	7	6	5.3
CML287:N(LH52)49y	NS	2	3	2	2.3
CML287:S(DJ7)(GEMS-0188)	SS	2	6	2	3.3
CML287:S(DJ7)(GEMS-0219)	SS	2	7	2	3.7
CML311:S(GEMS-0175)(LH202)	SS	6	6	1	4.3
CML311:S(GEMS-0175)(LH220HT)	SS	4	7	2	4.3
CML341:S(GEMS-0016)(794)	SS	4	7	2	4.3
CML341:S(GEMS-0016)(LH220HT)	SS	7	7	3	5.7
LH200xLH262	Check	7	7	-	7.0
CML341:S(DJ7)(PHJ40)	SS	6	5	3	4.7

Pedigree	Heterotic	Overall Rating			
	Group	Ames	G&S	AgReliant	Average
CML373:S(DJ7)43	SS	5	6	6	5.7
CML373:S(DJ7)(GEMS-0188)	SS	6	7	5	6.0
CML373:S(DJ7)(794)	SS	4	6	6	5.3
CML373:S(DJ7)(GEMS-0219)	SS	5	6	2	4.3
CML373:S(GEMS-0115)(GEMS-0188)	SS	4	6	5	5.0
CML373:S(GEMS-0115)(PHJ40)	SS	6	6	6	6.0
CML373:S(GEMS-0115)(LH202)	SS	4	5	4	4.3
CML373:S(GEMS-0115)(GEMS-0219)	SS	4	5	7	5.3
Ki 14:S21z03	SS	4	7	7	6.0
Ki 14:S21z(PHJ40)	SS	7	6	6	6.3
Ki 14:S(GEMS-0016)(794)	SS	6	6	6	6.0
Ki 14:S(GEMS-0016)(LH202)	SS	6	7	4	5.7
Ki21:N(SG17)(LH61)	SS	6	5	2	4.3
Ki21:N(SG17)(LH162)	SS	6	4	2	4.0
KUI44:N(SG17)(LH162)	NS	7	5	1	4.3
A619xA632	Check	5	6	-	5.5
KUI44:N(SG17)(GEMN-0192)	NS	4	5	4	4.3
KUI44:N(SG17)(GEMN-0205)	NS	5	6	6	5.7
KUI44:N(LH52)43	NS	5	7	4	5.3
KUI44:N(LH52)(PHK76)	NS	5	6	5	5.3
KUI44:N(LH52)(LH162)	NS	5	5	4	4.7
KUI44:N(LH52)(GEMN-0192)	NS	7	4	6	5.7
KUI44:N(LH52)(GEMN-0205)	NS	5	6	3	4.7
KUI44:S(DJ7)(GEMS-0188)	SS	4	5	2	3.7
KUI44:S(DJ7)(GEMS-0219)	SS	4	6	4	4.7
MDI022:S(GEMS-0115)(GEMS-0188)	SS	4	6	1	3.7
MDI022:S(GEMS-0115)(GEMS-0219)	SS	3	5	1	3.0
NS1:S(GEMS-0149)41	SS	7	6	3	5.3
NS1:S(GEMS-0149)(794)	SS	6	6	3	5.0
NS1:S(GEMS-0149)(PHJ40)	SS	6	5	3	4.7
PHJ40/((GEMS-0115/Mp717)/TZAR101)	SS	6	5	4	5.0
SX1078:N(LH82)(GEMN-0205)	NS	5	6	6	5.7
B73xMo17	Check	7	5	-	6.0
SX1078:N(PHK76)(GEMN-0192)	NS	4	5	5	4.7
SX2788:N(LH61)(GEMN-0155)	NS	3	6	6	5.0
SX2788:N(LH61)(GEMN-0205)	NS	5	6	5	5.3
SX2788:N(PHK76)(GEMN-0155)	NS	4	6	3	4.3
SX2788:N(PHK76)(GEMN-0192)	NS	3	7	6	5.3
SX2788:S(794)(GEMS-0188)	SS	4	5	4	4.3
TZAR104:N(LH82)(GEMN-0192)	NS	4	5	8	5.7
TZAR104:N(LH61)(GEMN-0192)	NS	2	5	7	4.7
TZAR104:N(LH61)(GEMN-0205)	NS	3	6	6	5.0
TZAR104:S(794)(GEMS-0219)	SS	4	7	3	4.7
UR13091:N(SG17)49y	NS	5	5	2	4.0
UR13091:N(SG17)(WIL903)	NS	4	6	2	4.0
UR13091:S(DJ7)03	SS	4	6	3	4.3
UR13091:S(DJ7)49x	SS	4	5	2	3.7
LH200xLH262	Check	7	8	-	7.5
				Mean	5
				STDEV	5.89
				2 STDEV	7.67