

2010 Breeding Cross Observations Recommendations Summary (3 Locations)							
Pedigree	Heterotic	Rating Scores (9=Excellent)				Comments	
	Group	Ames	G&S Crop	Mycogen	Avg.	Ames	Mycogen
((NC 354/TZi 8)/GEMS-0162)-SIB	SS	-	5	3	4.0		Poor plant integrity, very high ear
(87916W/Mp717)/4676A	SS	9	6	6.5	7.2	good stk & app	Good plant integrity, good ear placement
(CUBA117:S15-101-001-B-B-B-B/GEMS-0027)-B	SS	-	3	2	2.5	inbred?	Very poor plant integrity, good ear placement
(CUBA164:S2008c-289-001-B-B-SIB/S49v)-B	SS	7	3	6	5.3	good stk & app	Good plant integrity, good ear placement
(CUBA164:S2008c-289-001-B-B-SIB/S49w)-B	SS	7	6	7.5	6.8	good stk & app	Good plant integrity, low ear placement
(CUBA164:S2008c-289-001-B-B-SIB/S49x)-B	SS	7	6	7	6.7	good stk & app	Good plant integrity, good ear placement
(DJ7/S49v)-B	SS	7	2	6	5.0	good stk & low ear	Fair plant integrity, good ear placement
(DJ7/S49w)-B	SS	7	3	4	4.7	low ear	Poor plant integrity, good ear placement
(DJ7/S49x)-B	SS	7	4	5	5.3	good stk & SG	Fair plant integrity, good ear placement
(DKB844:S1601-073-001-B-B-B-B/S49v)-B	SS	6	5	7	6.0	good stk & app	Nice -- good plant integrity, good ear placement
(DKB844:S1601-073-001-B-B-B-B/S49w)-B	SS	7	7	5	6.3	good stk & SG	Fair plant integrity, good ear placement
(DKB844:S1601-073-001-B-B-B-B/S49x)-B	SS	6	6	5	5.7	good stk & app	Fair plant integrity, good ear placement
(GEMN-0140/GEMN-0130)-B	NS	6	4	6	5.3	good stk & app	Good plant integrity, good ear placement
(GEMN-0156/GEMN-0139)-B	NS	4	4	4	4.0	good stk;avg app	Small ear, good plant integrity
A619xA632	Check	-	5	6	5.5	OK stk	Fair plant integrity, low ear placement, some SL
(GEMS-0115/GEMS-0113)-B	SS	-	3	5	4.0	poor stk	Good plant integrity, good ear placement
(GEMS-0115/Mp717)/GEMS-0061	SS	-	6	3	4.5	bad stk	Very high ear, good plant integrity
(GEMS-0115/Mp717)/GEMS-0162	SS	-	6	4	5.0	bad stk	Fair plant integrity, slightly high ear
(GEMS-0115/Mp717)/Ki21	SS	-	7	3	5.0	high ears	Very high ear, fair plant integrity
(GEMS-0115/NS701)-B	SS	-	2	5	3.5	good stk;small ears	Fair plant integrity, low ear placement
(GEMS-0175/CUBA164:S15-007-009-002-B-B-B-B-B)-B	SS	-	3	5	4.0	bad rts	Good plant integrity, high ear placement
(KO679Y/DKB844:S1601-073-001-B-B-B-B)-B	SS	6	6	5	5.7	SG; wide lvs	Fair plant integrity, good ear placement
(KO679Y/GEMS-0115)/GEMS-0162	SS	7	7	8	7.3	good stk & app & SG	Very Nice -- large ear, good plant integrity
(KO679Y/GEMS-0115)/GEMS-0181	SS	-	8	6	7.0	good stk & app & SG	Slightly high ear, good plant integrity, small ears
BG002:T26aN(GEMN-0155)	NS	-	8	3	5.5		Very high ear placement, good plant integrity
BG002:T26aS(GEMS-0175)	SS	-	8	4	6.0		Very high ear placement, fair plant integrity
BO80082:T26aN(GEMN-0155)	NS	-	9	4	6.5		Very high ear placement, fair plant integrity
BO80082:T26aS(GEMS-0175)	SS	-	9	4	6.5		High ear placement, fair plant integrity
BR105:N(GEMN-0179)(GEMN-0177)	NS	6	9	5	6.7	good stk & ear size	Slightly high ear, fair plant integrity
B73/Mo17	Check	-	7	6	6.5		Fair plant integrity, good ear placement
BR105:N(GEMN-0179)(GEMN-0156)	NS	-	6	2	4.0		Very high ear, poor plant integrity
BR105:N(SG17)	NS	-	7	2	4.5		Very high ear, poor plant integrity
BR105:N(LH52)	NS	6	8	2	5.3	loose shuck; good stk & fair app	Very high ear, poor plant integrity
BR105:S21z(GEMS-0162)	SS	7	9	4	6.7	good stk & app & SG	Good ear placement, fair plant integrity
BR105:S(DJ7)	SS	-	9	5	7.0		High ear placement, fair plant integrity
BR105:T33aN(SG17)	NS	3	9	3	5.0		Very high ear, poor plant integrity
BR105:T33aN(LH52)	NS	-	9	5	7.0		Slightly high ear, fair plant integrity
BR105:T33aS(DJ7)	SS	6	8	4	6.0	tall; big ears	High ear placement, fair plant integrity
BR106:N(SG17)	NS	-	8	3	5.5		Very high ear, poor plant integrity
BR106:N(LH52)	NS	-	9	4	6.5		Very high ear, poor plant integrity
BR106:N(HBA1)	SS/NS	-	9	4	6.5		High ear placement, fair plant integrity
BR106:S(DJ7)	SS	-	9	3	6.0		Very high ear, fair plant integrity
BR106:T33aS(DJ7)	SS	-	9	6	7.5		High ear placement, good plant integrity
CML287:N(LH52)-B	NS	-	6	5	5.5		Slightly high ear, good plant integrity
LH200xLH262	Check	-	7	8	7.5		Very Nice -- good ear placement, good plant integrity
CML287:S15(GEMS-0163)	SS	-	7	7	7.0		Good ear placement, good plant integrity
CML287:S15(GEMS-0115)	SS	-	8	6	7.0		Good plant integrity, variable ear placement
CML341:S21z(GEMS-0163)	SS	-	9	7.5	8.3		Nice -- good plant integrity, good ear placement

Pedigree	Heterotic Group	Rating Scores (9=Excellent)				Comments	
		Ames	G&S Crop	Mycogen	Avg.	Ames	Mycogen
CML341:S21z(GEMS-0115)	SS	-	9	7	8.0		Good ear placement, good plant integrity
CML341:S42	SS	-	8	5	6.5		Good ear placement, good plant integrity
CML341:S(GEMS-0016)(GEMS-0163)	SS	-	9	7	8.0		Nice -- good plant integrity, good ear placement
CML341:S(GEMS-0016)(GEMS-0188)	SS	-	7	6	6.5		Fair plant integrity, good ear placement
CML341:S(GEMS-0016)(GEMS-0115)	SS	-	8	7	7.5		Nice -- good plant integrity, good ear placement
CML341:S(DJ7)	SS	-	9	7.5	8.3		Very nice -- slightly high ear, good plant integrity
CML341:S(GEMS-0115)(GEMS-0162)	SS	7	9	7.5	7.8	good stk & app&big ears	Very nice -- good ear placement, good plant integrity
CML343:S42	SS	-	9	4	6.5		Good ear placement, fair plant integrity
CML349:N(GEMN-0155)-B	NS	-	6	2	4.0		Poor plant integrity, good ear placement
CML349:N(LH52)	NS	-	7	2	4.5		Poor plant integrity, high ear placement
A619xA632	Check	-	5	5	5.0		Poor plant integrity, low ear placement
CML349:N(LH52)(GEMN-0097)	NS	7	6	6.5	6.5	good stk & app	Good ear placement, fair plant integrity
CML349:N(GEMN-0097)-B	NS	-	6	4	5.0	snapped	Poor plant integrity, good ear placement
CML373:S42	SS	6	7	4	5.7		Fair plant integrity, good ear placement
CML373:S(DJ7)	SS	6	7	8	7.0		Very nice, very good plant integrity, good ear placement
CML373:S(GEMS-0115)	SS	-	9	8	8.5		Very nice, very good plant integrity, good ear placement
CUBA164:S(HBA1)	SS	-	9	5	7.0		Very high ear, good plant integrity
CUBA164:S2008dT47(GEMS-0175)	SS	-	5	4	4.5		Poor plant integrity, good ear placement
GUAT209:S(GEMS-0175)	SS	-	6	2	4.0		Very high ear, poor plant integrity
GUAT209:S(GEMS-0115)	SS	-	6	2	4.0		Very high ear, poor plant integrity
JAL281:N(HBA1)	SS/NS	-	3	2	2.5		Very high ear, poor plant integrity
Ki 14:S21z	SS	-	4	3	3.5		Good ear placement, fair plant integrity
Ki21:N(SG17)	NS	7	3	6	5.3		Good ear placement, fair plant integrity
Ki21:N(LH52)(GEMN-0097)	NS	7	3	7	5.7	good stk & app	Nice -- large ear, good ear placement
Ki21:N(LH52)-B	NS	7	1	4	4.0	good stk	Fair plant integrity, good ear placement
Ki21:S(DJ7)(GEMS-0163)	SS	7	1	7	5.0	good stk & app	Nice -- good plant integrity, good ear placement
B73/Mo17	Check	-	3	7	5.0		Nice -- large ear, good ear placement
Ki21:S(DJ7)-B	SS	6	3	3	4.0	good stk & app	Poor plant integrity, good ear placement
KUI44:N(SG17)	NS	7	7	8	7.3	good stk & app	Nice, large ear, good ear placement, good plant integrity
KUI44:N(LH52)	NS	7	8	6	7.0	good stk & app	Good ear placement, fair plant integrity
MDIO22:N(PHG35)(SG17)	NS	6	7	8	7.0	good stk & fair app	Very Nice -- large ear, fair plant integrity
MDIO22:N(PHG35)(PHG47)	NS	6	7	5	6.0	good stk & app	Slightly high ear, good plant integrity
MDIO22:N(PHG35)(GEMN-0097)	NS	7	7	7	7.0	good stk & app	Nice -- slightly high ear, good plant integrity
NC 354:S(GEM-0115)	SS	6	5	4	5.0		Good ear placement, fair plant integrity
NC298:N42	NS	7	5	5	5.7	good stk & app & SG	Low ear placement, fair plant integrity
NC300:N42	NS	-	6	5	5.5		Low ear placement, fair plant integrity
NC354:N42	NS	6	5	1	4.0	good stk; small ears	Very poor plant integrity, slightly high ear placement
UR13091:N(DJ7)	NS	5	5	3	4.3		Poor plant integrity, good ear placement
UR13091:N(SG17)	NS	5	6	4	5.0		Poor plant integrity, good ear placement
UR13091:N(GEMN-0097)	NS	5	7	3	5.0		Poor plant integrity, slightly high ear placement
UR13091:S(GEMS-0115)	SS	-	7	3	5.0		Very high ear, poor plant integrity
LH200xLH262	Check	-	7	7	7.0		Nice -- slightly high ear, good plant integrity
- Indicates plot blown over and not rated							
-Ames plots with no comments indicates wind damaged							
Mycogen observations collected in Mt. Vernon, IN							
G&S Crop observations collected in Memphis, TN							
Rating scale (1-9; 9 = best)							