

Breeding Cross Obs from Institute of Crop Science Chinese

Pedigree	Days to		Height (cm)		Tassel		Percent of		Grain		Ear (cm)		
	Tasselling	Pollen	Silking	Plant	Ear	Length (cm)	# of Branches	Barren	Double	Yld/plant (g)	Rate (%)	Length	Diameter
								plant	Ear				
FS8A(S):S09	68	70	73	261.0	99.7	36.7	11.3	8.7%	0.0%	103.67	81.7%	16.0	4.1
AR16026:F27	68	70	73	254.0	107.3	39.0	16.3	7.7%	2.7%	93.00	81.0%	17.0	4.0
AR13026:N08d07	63	67	68	245.7	94.0	39.0	11.3	5.0%	1.0%	94.67	87.0%	17.3	3.8
AR17056:N20	65	68	70	258.3	104.0	38.3	13.0	5.7%	2.3%	97.00	82.0%	16.7	4.0
BR52051:S17	71	74	76	273.0	119.0	40.3	11.0	11.7%	5.3%	82.67	80.7%	17.7	3.8
CH05015:N12	65	67	70	254.3	102.7	38.0	12.0	4.3%	0.0%	78.67	83.7%	14.3	4.0
CHIS775:N1920	68	71	73	262.3	106.0	37.0	10.7	4.0%	0.7%	120.00	85.3%	17.0	4.0
CML287:S18	72	74	76	284.7	125.0	37.0	12.3	11.3%	2.0%	77.00	79.3%	16.0	3.7
CUBA164:S20	71	73	77	282.3	126.3	37.0	12.7	16.0%	2.3%	85.67	80.7%	15.3	4.2
DKB844:S16	72	74	76	294.0	134.3	34.3	10.0	5.0%	1.0%	105.67	81.3%	16.0	4.2
DKXL370:N11a20	67	69	71	263.0	96.3	37.7	8.7	3.3%	0.7%	90.00	83.7%	15.7	3.9
PASCO14:S21	73	76	78	274.0	124.0	38.0	13.7	7.0%	0.0%	103.67	80.7%	15.0	4.3
NEI9004:S28	69	72	74	259.3	109.0	39.7	12.3	6.3%	1.7%	83.67	80.3%	14.3	4.0
BARBGP2:S08a	73	77	80	278.3	137.3	39.3	15.7	11.3%	5.0%	97.33	82.7%	15.7	4.3
CUBA164:S2008b	68	71	72	251.3	100.7	37.3	9.7	11.0%	0.0%	92.00	81.3%	16.3	4.1
DK212T:S11b	68	71	73	260.3	107.7	38.0	12.7	4.7%	3.3%	97.67	80.7%	16.7	3.9
CML247:N18	73	75	77	261.3	115.3	36.0	12.0	16.3%	2.7%	97.67	81.7%	16.3	3.8
CML325:N13	68	71	72	262.7	103.7	36.0	13.0	9.0%	3.7%	97.67	83.0%	17.0	3.8
AR17026:N1014	66	68	69	267.0	103.7	37.0	7.7	2.3%	1.7%	110.00	85.3%	17.3	3.9
AR17056:S1217	63	67	69	253.0	98.7	35.3	9.3	2.3%	1.7%	96.00	85.0%	16.3	3.9
BVIR103:S0411a	66	68	71	257.7	100.7	37.0	11.3	5.3%	9.0%	99.33	85.0%	15.3	4.1
CH05015:N12F44	66	68	71	260.7	105.0	37.7	11.7	3.0%	1.0%	103.00	82.7%	17.0	4.0
CUBA117:S1520	67	70	72	264.7	100.3	38.0	10.0	11.0%	2.3%	89.00	81.0%	14.7	4.1
CUBA164:T26aS41	67	70	72	270.7	105.0	38.7	11.3	3.3%	9.3%	111.67	85.3%	15.7	4.1
DKXL370:N11a14	69	71	72	269.3	103.0	39.0	5.7	2.7%	3.3%	110.00	85.7%	16.0	3.9
DKXL370:S08d	68	71	72	270.0	105.7	39.7	7.3	7.3%	0.0%	108.00	83.0%	18.7	3.8
DKXL380:N11a14	70	72	73	275.7	108.0	38.0	7.3	3.0%	2.3%	108.00	86.0%	17.0	3.8
FS8B(T):N11a14	68	71	71	268.7	103.7	37.0	7.0	2.3%	5.7%	113.00	88.0%	16.0	4.0
GUAD05:N0614	69	71	72	276.0	111.0	38.3	8.0	1.7%	5.3%	108.67	82.7%	18.0	3.7

UR01089:S05	62	65	67	251.7	98.7	36.7	13.0	1.0%	0.7%	81.33	83.3%	16.3	3.7
UR05017:S0414	68	70	72	265.7	102.3	38.0	9.7	11.3%	3.0%	98.33	83.3%	14.7	4.0
UR10001:N1708e	62	65	67	259.3	99.0	39.0	11.3	3.0%	0.7%	90.00	85.0%	16.7	3.8
UR13010:N0614	68	70	71	269.0	108.7	37.7	7.0	3.7%	2.0%	113.33	85.0%	17.3	4.0
UR13085:S1912	67	69	71	265.7	106.3	36.0	9.0	6.7%	1.7%	86.67	83.3%	14.7	3.8
CUBA164:T26bS41	69	72	75	265.3	110.3	38.0	13.3	5.7%	4.0%	90.33	84.3%	15.0	3.9
PASCO14:N04	74	76	78	276.7	128.3	38.3	14.3	3.0%	4.0%	120.00	81.0%	18.7	4.2
BR106:S99e99j	70	73	75	269.7	109.7	38.0	11.3	9.3%	3.7%	104.67	85.0%	17.7	3.7
BR105:S99n99n	66	69	71	268.3	105.0	36.7	8.3	0.0%	5.7%	104.00	84.7%	17.0	3.9
BR106:S99n99n	67	70	72	267.0	104.7	37.7	8.7	0.0%	6.3%	98.67	84.3%	16.3	3.9
CUBA164:S99n99n	65	68	71	268.7	105.0	37.3	10.0	4.3%	1.3%	88.67	82.7%	15.3	4.0
BR105:N99v99v	68	71	73	276.7	112.7	38.3	12.0	12.3%	5.3%	89.33	78.7%	16.7	3.8
BR106:N99v99v	69	72	74	278.3	116.3	41.0	12.0	6.3%	2.0%	87.33	79.7%	15.3	3.8
CUBA164:N99v99v	69	71	75	273.3	111.3	38.7	12.3	12.0%	2.0%	94.67	79.7%	16.3	3.9
BIGWHITE:S99x	67	69	71	276.0	110.0	37.3	9.3	3.7%	1.3%	122.33	82.7%	16.0	4.5
UR10001:S99x	67	69	71	275.3	113.0	37.7	11.3	8.7%	1.3%	127.00	83.7%	17.0	4.4
B73xMo17	65	67	68	272.3	105.3	38.7	9.3	2.0%	0.7%	140.00	87.3%	18.0	4.3
GEMS-0147/GEMS-0115	68	70	72	262.7	106.0	34.7	10.0	11.7%	0.0%	100.33	85.0%	14.0	4.3
GEMN-0156/MBNA	66	69	70	266.3	105.3	38.7	8.3	1.7%	0.0%	144.67	85.3%	17.0	4.4
GEMN-0156/GEMN-0139	64	67	69	264.3	105.3	38.0	11.7	0.0%	0.7%	118.67	85.7%	17.3	4.1
ZD958 (local CK)4	69	70	71	256.3	106.0	37.0	14.3	0.0%	2.7%	173.33	88.7%	17.0	4.8

Average of 3 environments: Xinxiang, Beijing, Gongzhuling

Academy of Agricultural Sciences

Cob		Kernel		Kernel (mm)			Kernel type	Cob color	Kernel color
Diameter (cm)	row #	#/row	Wt (g)/100	Length	Width	Thickness			
2.9	15.3	30.0	30.0	11.2	7.7	4.2	flint	red, white	yellow
2.9	15.0	34.0	25.3	10.1	8.1	4.3	flint	white	yellow
2.5	13.3	35.0	25.0	10.7	8.6	4.1	flint	red, white	yellow
2.7	15.0	31.0	28.7	10.6	8.2	4.4	flint	red, white	yellow
2.7	14.0	30.7	28.0	10.8	8.4	4.3	dent	red	yellow
2.7	14.3	27.7	25.0	10.4	8.7	5.0	flint	red, white	yellow
2.5	15.7	37.3	25.3	11.9	7.8	4.5	dent	red, white	yellow, white
2.6	14.0	30.3	23.7	10.1	8.1	4.9	dent	red, white	yellow
2.8	14.3	30.7	27.3	10.6	8.5	4.6	semi-dent	red, white	yellow
3.1	16.0	33.3	24.3	12.0	8.0	3.9	dent	red, white	yellow
2.6	16.3	32.7	22.7	10.9	7.4	3.7	dent	red	yellow
2.9	15.7	29.3	30.0	11.7	8.2	4.1	semi-dent	red, white	yellow
2.8	15.0	30.3	27.0	10.8	8.0	4.0	semi-dent	red, white	yellow
2.6	14.7	31.0	27.3	12.0	8.7	4.0	semi-dent	red, white	yellow
2.6	14.7	32.3	26.7	10.9	8.2	4.2	semi-dent	red	yellow
2.7	14.3	32.0	27.0	10.5	8.0	4.3	semi-dent	red, white	yellow
2.6	13.0	34.7	25.7	10.6	8.4	3.9	dent	white, red	yellow
2.6	14.3	30.3	30.3	10.7	8.2	4.7	dent	red, white	yellow
2.5	13.3	34.7	31.0	10.7	8.8	4.3	semi-dent	red, white	yellow
2.5	14.7	32.3	26.3	10.8	7.9	3.9	semi-dent	red, white	yellow
2.6	14.3	32.3	26.7	11.6	8.2	3.7	semi-dent	red, white	yellow
2.7	14.3	29.7	30.3	10.5	8.9	4.5	flint	red, white	yellow
2.8	15.3	27.7	27.3	10.7	8.1	4.3	semi-dent	red, white	yellow
2.4	14.0	34.3	29.7	11.9	8.4	3.8	semi-dent	red, white	yellow
2.5	13.3	33.7	31.0	11.6	8.4	3.8	dent	red, white	yellow
2.5	14.0	34.7	30.3	11.2	8.3	4.4	dent	red, white	yellow
2.5	12.7	35.0	30.7	11.4	8.7	4.1	dent	red, white	yellow
2.3	13.3	34.3	29.3	11.5	8.7	3.9	dent	red, white	yellow
2.7	13.3	35.7	27.7	10.8	8.6	4.2	dent	white, red	yellow

2.5	14.0	33.7	23.3	10.3	8.2	3.8	flint	red, white	yellow
2.5	13.7	28.7	27.0	11.1	8.3	4.1	flint	red	yellow
2.5	14.7	34.3	23.7	10.5	7.8	4.1	dent	red	yellow
2.6	13.0	34.7	31.3	11.2	8.9	4.1	dent	white、 red	yellow
2.6	14.3	27.7	28.7	10.7	8.1	4.3	semi-dent	white、 red	yellow
2.6	14.7	31.7	25.0	11.0	8.0	3.9	semi-dent	redwhite	yellow
2.8	14.3	35.0	31.3	11.3	8.5	4.3	semi-dent	red, white	yellow
2.4	13.0	35.7	27.7	10.6	8.5	4.1	semi-dent	white	yellow
2.5	13.3	36.0	26.7	10.8	8.7	3.9	semi-dent	red	yellow
2.5	13.3	34.7	27.7	11.1	8.8	3.9	semi-dent	red	yellow
2.6	14.3	31.0	24.3	10.7	8.4	3.9	semi-dent	red	yellow
2.6	13.0	31.0	32.0	10.7	8.6	4.4	dent	red	yellow
2.6	13.3	28.7	29.7	10.9	8.6	4.4	dent	red	yellow
2.6	14.3	30.7	29.3	10.8	8.2	4.2	semi-dent	red	yellow
2.9	17.3	31.3	29.0	11.9	7.8	3.9	dent	white	yellow, white
2.9	16.3	35.0	25.3	11.5	8.1	3.9	dent	white	yellow, white
2.7	14.7	42.3	25.3	12.2	8.5	3.7	dent	red	yellow
2.6	17.0	29.7	27.3	11.6	7.5	3.8	dent	red, white	yellow
2.6	13.0	39.0	32.0	11.9	9.3	3.7	dent	red	yellow
2.7	13.0	41.0	27.7	11.3	9.3	3.7	dent	red	yellow
2.8	15.7	36.7	37.3	13.4	9.3	3.8	semi-dent	white	yellow