

Table 2 Cross combinations with desirable SCA effects and resistance against against leaf blight and brown spot diseases of maize as combined over years

Parents	Days to 50% silking	Days to 50% pollen shedding	Plant height	Ear height	Days to 50% maturity	Ear length	Ear circumf erence	Kernel rows/e ar	Kernel s/row	Grain yield	Biologic al yield	Harv est index	Test weight	Disease Reaction
Lines / Females	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Line 13×Early composite	0.49*	0.42	9.16*	9.37*	0.26	-1.56*	-0.34*	0.37*	1.30*	7.09*	-2.60	3.17*	31.14*	Resistant
Line 19×KH-2001	-0.17	-0.48*	1.26	-5.42*	-0.10	0.04	-0.05	-0.02	1.73*	6.19*	-3.73	2.69*	-6.51	Resistant
Line 3×Early composite	-0.43	-1.00*	2.95	-1.84	-3.07*	0.53	0.01	0.30	0.74*	-1.67	-1.56	-0.97	0.27	Resistant
Line 5×Early composite	0.49*	0.50*	8.60*	16.32*	0.09	0.99*	0.49*	-0.55*	0.02	0.92	-6.71*	1.36*	31.53*	Resistant
Line 10×Early composite	-0.26	-0.50*	-2.79	22.98*	0.76	-0.31	-0.23	-0.10	1.44*	-0.22	4.25	-0.52	48.92*	Resistant
Line 15×Early composite	-0.84*	-1.00	-6.75*	10.68*	-0.66	0.49	0.14	-0.21	-0.53	-0.05	0.25	-0.29	0.09	Resistant
Line 19×Early composite	0.24	0.84*	-7.51*	5.29*	-0.32	0.44	-0.48*	-0.18	0.13	0.21	-5.10*	0.89	-27.62*	Resistant
Line 18×Girija	-1.49*	-0.69*	-4.84*	9.49*	1.01	0.42	0.21	-0.30	-0.78*	-0.92	5.65*	-1.37 *	17.31*	Resistant
Line 5×KH-2001	-0.42	-0.06	-13.27*	-6.72*	-0.19	-0.21	0.02	1.04*	-2.62*	-1.50	4.70*	-1.25 *	-1.83	Resistant
Line 18×KH-2001	2.67*	0.94*	4.53*	-6.72*	-0.52	-0.66*	0.09	0.63*	0.27	1.51	-4.16	1.48*	3.45	Resistant