

Table 1 Mean performance of P1, P2, F1, F2, B1 and B2 generations for fourteen agro-morphological traits in cross Meha/ DMS 03-17-2 and Meha/ DMS 01-34-2

	P <sub>1</sub>	P <sub>2</sub>	F <sub>1</sub>	F <sub>2</sub>	BC <sub>1,1</sub>	BC <sub>1,2</sub>
Cross I (Meha/ DMS 03-17-2)						
DFFO	33.67 ± 0.18	32.67 ± 0.23	32.33 ± 0.49	30.67 ± 0.37	30.33 ± 0.09	29.00 ± 0.15
DM	65.00 ± 0.30	65.67 ± 0.23	61.00 ± 0.15	66.33 ± 0.13	63.00 ± 0.30	64.00 ± 0.15
PH	31.47 ± 0.40	39.27 ± 0.71	42.53 ± 0.84	35.85 ± 0.41	35.87 ± 0.88	36.80 ± 0.92
NPBP	3.87 ± 0.16	2.97 ± 0.21	4.30 ± 0.18	3.74 ± 0.07	2.63 ± 0.12	3.90 ± 0.27
NSBP	4.47 ± 0.18	4.27 ± 0.18	4.57 ± 0.17	3.46 ± 0.11	3.57 ± 0.19	3.23 ± 0.27
NMS	10.13 ± 0.25	10.43 ± 0.21	10.10 ± 0.23	10.52 ± 0.13	11.00 ± 0.26	10.87 ± 0.30
AIL	3.16 ± 0.09	3.80 ± 0.10	4.31 ± 0.15	3.49 ± 0.06	3.31 ± 0.11	3.45 ± 0.11
NPP	16.80 ± 0.89	12.60 ± 0.58	24.97 ± 1.44	15.47 ± 0.62	15.60 ± 0.85	13.87 ± 1.19
PL	7.54 ± 0.17	7.68 ± 0.14	7.32 ± 0.11	7.12 ± 0.06	6.92 ± 0.17	7.03 ± 0.17
NSP	11.96 ± 2.27	11.53 ± 2.80	11.83 ± 1.45	11.45 ± 2.60	10.47 ± 3.15	11.50 ± 2.67
SI	4.12 ± 0.03	5.18 ± 0.03	5.18 ± 0.05	4.22 ± 0.05	4.92 ± 0.08	3.72 ± 0.06
BYP	21.00 ± 0.74	20.83 ± 0.82	28.77 ± 1.27	16.74 ± 0.65	19.73 ± 1.14	18.03 ± 1.37
HI	27.09 ± 0.83	34.88 ± 1.84	34.46 ± 1.06	27.96 ± 0.72	30.71 ± 1.34	33.25 ± 2.07
SYP	5.64 ± 0.23	7.48 ± 0.59	9.96 ± 0.54	5.08 ± 0.30	6.29 ± 0.61	5.83 ± 0.59
Cross II (Meha/ DMS 01-34-2)						
DFFO	34.67 ± 0.09	30.33 ± 0.09	31.33 ± 0.09	35.33 ± 0.07	31.33 ± 0.23	30.33 ± 0.09
DM	61.00 ± 0.69	66.67 ± 0.46	66.00 ± 0.26	69.33 ± 0.07	64.33 ± 0.32	65.00 ± 0.30
PH	30.90 ± 0.49	40.00 ± 0.60	34.63 ± 0.64	33.25 ± 0.33	35.13 ± 0.83	33.20 ± 0.65
NPBP	3.17 ± 0.25	2.53 ± 0.19	4.00 ± 0.23	3.39 ± 0.09	4.63 ± 0.19	4.23 ± 0.15
NSBP	3.13 ± 0.14	3.87 ± 0.3	3.60 ± 0.5	3.54 ± 0.10	3.57 ± 0.24	3.83 ± 0.28
NMS	10.70 ± 0.24	10.63 ± 0.20	12.43 ± 0.37	11.50 ± 0.12	11.77 ± 0.36	11.37 ± 0.38
AIL	2.92 ± 0.07	3.80 ± 0.10	2.87 ± 0.11	2.95 ± 0.04	3.06 ± 0.12	3.04 ± 0.11
NPP	18.60 ± 0.68	17.33 ± 0.64	20.27 ± 0.71	22.58 ± 1.01	19.73 ± 0.79	24.07 ± 1.14
PL	6.96 ± 0.14	7.66 ± 0.14	7.65 ± 0.16	7.72 ± 0.06	7.82 ± 0.17	7.74 ± 0.15
NSP	11.27 ± 0.31	11.27 ± 0.26	11.67 ± 0.21	11.22 ± 0.12	11.97 ± 0.25	12.03 ± 0.24
SI	5.26 ± 0.03	5.18 ± 0.06	5.38 ± 0.03	4.20 ± 0.01	4.88 ± 0.06	4.48 ± 0.11
BYP	22.67 ± 0.57	21.10 ± 0.66	27.60 ± 0.58	22.81 ± 0.82	24.80 ± 0.52	26.53 ± 1.18
HI	24.59 ± 0.51	30.08 ± 0.89	31.98 ± 0.66	30.35 ± 0.69	34.64 ± 1.31	37.64 ± 1.42
SYP	5.57 ± 0.17	6.42 ± 0.35	8.79 ± 0.21	7.42 ± 0.39	8.75 ± 0.49	10.19 ± 0.63

Note: Abbreviations are given in materials and methods