

SUPPLEMENTARY MATERIAL

Grouping rice varieties in Morocco based on key agronomic traits: A PCA and HCA approach

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Table S1. Comparison of means for 18 cultivated rice varieties based on agronomic traits

Cultivar	<i>H</i> (cm)	<i>NTP</i>	<i>NPP</i>	<i>LP</i> (cm)	<i>DH</i> (d)	<i>DM</i> (d)	<i>WTS</i> (g)	Seed yield (Mg·ha⁻¹)	Straw yield (Mg·ha⁻¹)
‘KF18044’	106.11 ±2.5 ^a	26.11 ±1.3 ^b	23.78 ±1.5 ^b	22.60 ±0.7 ^c	109 ±1.7 ^a	144.33 ±1.9 ^b	29.74 ±1.4 ^{ab}	45.59 ±2.1 ^c	34.81 ±1.8 ^{bc}
‘KF18045’	101.00 ±2.8 ^{ab}	30.67 ±1.5 ^a	29.67 ±1.4 ^a	28.69 ±1.1 ^a	102.67 ±1.8 ^b	141.67 ±2.0 ^c	29.31 ±1.6 ^{ab}	44.21 ±2.3 ^{cd}	34.71 ±1.9 ^{bc}
‘KF18046’	117.56 ±3.1 ^a	26.11 ±1.2 ^b	25.78 ±1.3 ^{ab}	29.22 ±1.0 ^a	96.00 ±2.0 ^c	137.67 ±2.1 ^d	27.83 ±1.4 ^{bc}	45.07 ±2.4 ^c	31.49 ±1.7 ^d
‘Ka WS 9294292’	110.44 ±2.9 ^a	27.56 ±1.4 ^{ab}	25.67 ±1.2 ^{ab}	26.48 ±0.9 ^b	116.00 ±2.2 ^a	149.33 ±2.0 ^a	22.83 ±1.7 ^{cd}	43.10 ±2.6 ^{cd}	29.90 ±1.5 ^{de}
‘CB MS11’	105.00 ±2.7 ^{ab}	32.44 ±1.6 ^a	29.44 ±1.5 ^a	26.13 ±0.8 ^b	105.67 ±1.9 ^b	143.00 ±2.3 ^b	26.03 ±1.3 ^c	42.16 ±2.8 ^d	31.59 ±1.6 ^{cd}
‘Samar’ (INRA Morocco)	103.11 ±2.8 ^{ab}	24.44 ±1.3 ^b	22.00 ±1.2 ^c	26.17 ±0.8 ^b	99.33 ±2.0 ^c	139.33 ±2.3 ^c	29.08 ±1.4 ^{ab}	44.53 ±2.3 ^c	32.72 ±1.5 ^{cd}
‘Nachat’ (INRA Morocco)	100.78 ±2.6 ^{ab}	26.56 ±1.3 ^b	24.78 ±1.1 ^{ab}	24.62 ±0.9 ^b	112.67 ±1.7 ^a	157.00 ±1.8 ^a	24.10 ±1.5 ^{cd}	41.63 ±2.7 ^d	30.55 ±1.8 ^d
‘Hayat’ (INRA Morocco)	92.33 ±3.2 ^a	28.11 ±1.3 ^{ab}	25.22 ±1.4 ^{ab}	24.66 ±0.8 ^b	32.68 ±1.7 ^b	136.44 ±2.1 ^c	24.89 ±1.1 ^c	40.75 ±2.2 ^d	30.12 ±1.4 ^{de}
‘KF190064’	99.78 ±2.4 ^{ab}	31.33 ±1.5 ^a	29.22 ±1.4 ^a	25.68 ±0.9 ^b	116.67 ±2.1 ^a	157.00 ±1.7 ^a	32.68 ±1.6 ^a	47.13 ±2.5 ^a	33.76 ±1.6 ^{bcd}
‘KF190053’	103.33 ±4.1 ^b	29.33 ±1.5 ^a	27.12 ±1.5 ^a	25.34 ±0.9 ^b	32.68 ±1.7 ^c	139.77 ±1.9 ^c	23.95 ±0.9 ^{bc}	42.12 ±2.0 ^{cd}	31.45 ±1.6 ^{cd}
‘KF190063’	100.33 ±3.6 ^b	28.78 ±1.4 ^{ab}	26.67 ±1.3 ^{ab}	25.77 ±0.9 ^b	90.68 ±1.9 ^c	140.66 ±2.2 ^c	25.66 ±1.2 ^c	43.38 ±2.1 ^{cd}	33.12 ±1.7 ^{bc}
‘KF190052’	112.66 ±2.9 ^c	27.11 ±1.3 ^{ab}	25.55 ±1.3 ^{ab}	26.29 ±0.8 ^b	32.68 ±1.7 ^b	142.33 ±2.0 ^b	22.40 ±0.8 ^{ab}	44.11 ±2.4 ^c	34.28 ±1.9 ^{bc}
‘KF190065’	113 ±3.1 ^c	26.89 ±1.5 ^{ab}	25.33 ±1.2 ^{ab}	25.66 ±0.9 ^b	32.68 ±1.7 ^d	144.00 ±2.1 ^b	24.28 ±1.0 ^{bc}	44.65 ±2.3 ^c	34.65 ±1.8 ^{bc}
‘KF190066’	159.33 ±2.8 ^c	23.11 ±1.2 ^{ab}	22.11 ±1.2 ^{ab}	32.74 ±0.9 ^b	35.25 ±1.9 ^c	103.00 ±2.3 ^c	141.67 ±1.3 ^c	49.33 ±2.5 ^{cd}	36.38 ±1.6 ^{cd}
‘KF190114’	114.66 ±2.6 ^d	28.22 ±1.3 ^{ab}	25.77 ±1.1 ^{ab}	26.33 ±0.8 ^b	32.68 ±1.7 ^a	147.33 ±1.9 ^a	22.68 ±1.1 ^{ab}	46.02 ±2.6 ^{ab}	35.11 ±1.5 ^{ab}
‘KF190112’	113 ±3.0 ^c	29.44 ±1.5 ^a	27.11 ±1.4 ^a	25.88 ±0.9 ^b	32.68 ±1.7 ^a	145.88 ±2.0 ^a	23.06 ±0.9 ^b	45.11 ±2.3 ^b	34.92 ±1.7 ^{ab}
‘KF190136’	114.66 ±3.3 ^d	28.90 ±1.3 ^{ab}	26.89 ±1.3 ^{ab}	26.12 ±0.9 ^b	32.68 ±1.7 ^a	148.22 ±2.1 ^a	25.48 ±1.2 ^c	46.55 ±2.7 ^{ab}	36.01 ±1.6 ^{ab}
Control (‘Lagustino’)	89 ±2.7 ^a	25.77 ±1.4 ^b	23.33 ±1.3 ^b	23.88 ±0.7 ^c	32.68 ±1.7 ^a	135.77 ±2.3 ^c	20.87 ±0.7 ^a	38.89 ±2.0 ^d	29.44 ±1.5 ^e

Explanations: mean ±standard deviation (*SD*) is displayed for each trait, *H* = height of plant, *NTP* = number of tillers per plant, *NPP* = number of panicles per plant, *LP* = length of panicle, *DH* = date of heading, *DM* = date of maturity, *WTS* = weight of 1000 seeds, INRA = National Institute of Agricultural Research (Fr.: Institut national de la recherche agronomique).

Source: own study.