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Supplementary Table 1. Detailed list of 64 studied genotypes and their mean seed yield and yield stability parameters.

Genotype	Entry	Type	Origine	YD	GC	DF	GrS	MAT	TSW	bi	S ² di	R ²	Pi	Si1	Si2	PJ
G01	1	Advanced line	ICARDA - Morocco	858.0	62.3	93	129	151	41.0	0.7	11.0	0.6	45	9.3	687	-0.26
G02	2	Advanced line	ICARDA - Morocco	840.0	51.2	95	132	153	44.4	0.9	-0.8	1.0	43	3.7	66	-0.08
G03	3	Advanced line	ICARDA - Morocco	1071.0	53.6	94	130	150	46.1	1.3	7.6	0.9	29	7.1	283	0.25
G04	4	Advanced line	ICARDA - Morocco	799.0	55.4	93	126	149	38.5	1.0	10.0	0.8	53	8.2	620	-0.03
G05	5	Advanced line	ICARDA - Morocco	1010.0	49.3	94	130	151	48.9	0.5	20.0	0.3	40	13	685	-0.48
Z01	6	Advanced line	INRA - Morocco	793.0	53.9	94	130	151	33.3	1.5	0.7	1.0	48	7.5	339	0.49
Z02	7	Advanced line	INRA - Morocco	808.0	55.6	96	131	152	32.3	0.8	4.5	0.8	49	9.5	404	-0.16
Z03	8	Advanced line	INRA - Morocco	870.0	56.6	93	130	151	32.0	0.9	-0.1	1.0	43	2.9	126	-0.07
Z04	9	Advanced line	INRA - Morocco	712.0	45.6	96	132	153	34.1	0.7	1.1	0.9	62	6.3	366	-0.28
Z05	10	Advanced line	INRA - Morocco	760.0	57.3	94	130	151	32.5	1.0	0.7	1.0	54	2.7	135	-0.01
Z06	11	Advanced line	INRA - Morocco	749.0	54.4	94	133	154	31.4	0.9	0.9	0.9	56	5.9	271	-0.12
Z07	12	Advanced line	INRA - Morocco	824.0	57.6	92	128	148	30.6	0.8	0.2	0.9	49	6.5	153	-0.18
Z08	13	Advanced line	INRA - Morocco	863.0	58.4	95	130	151	32.6	0.6	5.2	0.7	51	6.4	397	-0.38
Z09	14	Advanced line	INRA - Morocco	756.0	58.2	94	130	151	35.8	1.0	2.8	0.9	55	7.1	338	-0.02
Z10	15	Advanced line	INRA - Morocco	781.0	55.9	94	131	151	34.5	0.7	-0.4	0.9	55	5.3	295	-0.35
Z11	16	Advanced line	INRA - Morocco	977.0	55.0	90	16	147	32.5	0.8	14.0	0.7	35	5.7	302	-0.16
Z12	17	Advanced line	INRA - Morocco	788.0	53.3	95	132	153	35.6	1.1	0.8	1.0	49	6.5	167	0.08
Z13	18	Advanced line	INRA - Morocco	1163.0	60.4	96	132	153	36.2	1.6	3.4	1.0	17	5.9	165	0.58
Z14	19	Advanced line	INRA - Morocco	971.0	60.3	93	129	150	35.7	1.0	7.7	0.8	32	4.2	187	-0.04
Z15	20	Advanced line	INRA - Morocco	735.0	62.0	91	128	149	35.2	0.8	3.2	0.9	57	9.3	276	-0.16
Z16	21	Advanced line	INRA - Morocco	720.0	58.8	96	132	153	33.8	0.8	2.4	0.9	60	8.7	404	-0.19
Z17	22	Advanced line	INRA - Morocco	1049.0	61.6	92	128	149	35.5	1.5	4.7	0.9	24	6.6	422	0.50
Z18	23	Advanced line	INRA - Morocco	828.0	61.1	98	134	155	34.6	1.0	0.3	1.0	43	3.8	127	-0.04
Z19	24	Advanced line	INRA - Morocco	860.0	57.9	91	127	147	35.4	0.8	0.3	0.9	45	7.2	249	-0.21
Z20	25	Advanced line	INRA - Morocco	983.0	57.2	91	126	147	34.7	0.8	2.0	0.9	34	5.3	172	-0.20
Z21	26	Advanced line	INRA - Morocco	784.0	58.5	96	132	153	33.7	1.1	3.2	0.9	52	6.3	354	0.12
Z22	27	Advanced line	INRA - Morocco	889.0	60.9	90	126	147	36.9	0.7	3.6	0.8	43	7.1	265	-0.34
Z23	28	Advanced line	INRA - Morocco	921.0	56.3	95	131	152	34.3	1.0	9.6	0.8	43	5	470	0.04
Z24	29	Advanced line	INRA - Morocco	645.0	60.5	95	131	152	33.3	0.7	-0.2	0.9	68	7.8	218	-0.30
Z25	30	Advanced line	INRA - Morocco	797.0	61.6	93	130	151	34.4	1.0	4.0	0.9	52	5.4	392	-0.01
Z26	31	Advanced line	INRA - Morocco	819.0	60.9	91	128	149	33.0	1.2	3.4	0.9	47	6.4	290	0.21

Z27	32	Advanced line	INRA - Morocco	1009.0	55.3	94	130	151	32.8	1.6	0.4	1.0	31	5.1	152	0.58
Z28	33	Advanced line	INRA - Morocco	712.0	65.5	92	128	149	32.4	0.8	0.5	0.9	60	4.7	247	-0.17
Z29	34	Advanced line	INRA - Morocco	756.0	63.7	94	131	152	31.3	1.0	0.1	1.0	53	4.9	203	-0.04
Z30	35	Advanced line	INRA - Morocco	1045.0	62.4	91	128	149	29.1	1.5	2.0	1.0	28	6.9	305	0.53
Z31	36	Advanced line	INRA - Morocco	1160.0	58.7	90	126	146	32.0	1.7	2.6	1.0	24	3.1	82	0.69
Z32	37	Advanced line	INRA - Morocco	1418.0	60.8	94	130	151	32.4	1.3	11.0	0.9	6.8	1.3	15	0.30
Z33	38	Advanced line	INRA - Morocco	1431.0	62.4	69	132	153	32.1	1.5	2.8	1.0	6.9	2.1	28	0.52
LR1	39	Landraces	INRA - Morocco	823.0	58.1	92	127	148	38.1	0.9	9.6	0.8	51	7.7	480	-0.10
LR2	40	Landraces	INRA - Morocco	680.0	49.2	91	126	147	38.7	1.2	3.3	0.9	60	11	451	0.22
LR3	41	Landraces	INRA - Morocco	727.0	49.0	94	131	152	30.9	0.8	2.2	0.9	59	9.4	360	-0.25
LR4	42	Landraces	INRA - Morocco	922.0	49.4	91	126	148	40.0	1.3	29.0	0.7	44	13	642	0.27
LR5	43	Landraces	INRA - Morocco	661.0	54.8	92	128	149	31.8	0.7	-0.6	1.0	65	3.8	184	-0.35
LR6	45	Landraces	INRA - Morocco	846.0	55.1	92	127	147	38.1	1.2	6.0	0.9	44	11	479	0.22
LR7	46	Landraces	INRA - Morocco	783.0	58.4	94	130	151	30.8	1.0	2.4	0.9	51	7.3	278	-0.02
LR8	47	Landraces	INRA - Morocco	796.0	56.3	96	131	153	36.1	1.0	5.2	0.9	47	5.3	347	0.00
LR9	48	Landraces	INRA - Morocco	791.0	56.9	89	125	146	37.2	0.8	7.4	0.8	55	5.6	552	-0.20
LR10	49	Landraces	INRA - Morocco	958.0	59.7	96	133	153	33.5	0.9	11.0	0.7	38	5.9	281	-0.12
PA1	50	Landraces	INRA - Morocco	805.0	50.9	90	126	147	32.2	1.1	1.2	1.0	45	9.3	257	0.14
PA2	51	Landraces	INRA - Morocco	689.0	53.3	93	130	150	29.6	1.0	0.2	1.0	59	4.8	131	0.01
PA3	52	Landraces	INRA - Morocco	821.0	52.3	95	130	151	33.8	1.2	-0.9	1.0	43	6.1	241	0.24
PA4	53	Landraces	INRA - Morocco	747.0	54.3	95	131	151	32.7	0.9	0.0	1.0	53	5.4	183	-0.10
PA5	54	Landraces	INRA - Morocco	716.0	55.6	95	131	152	32.5	0.8	-0.1	1.0	56	4.3	228	-0.21
PA6	56	Landraces	INRA - Morocco	873.0	55.4	92	128	149	32.7	1.0	23.0	0.6	42	6.8	386	-0.01
PA7	57	Landraces	INRA - Morocco	787.0	57.5	94	130	151	33.8	0.8	3.2	0.9	53	9.6	362	-0.20
VR1	58	Variety	INRA - Morocco	626.0	63.4	93	130	151	35.5	1.0	-0.3	1.0	65	4.8	86	-0.01
VR2	59	Variety	INRA - Morocco	732.0	54.5	96	132	153	36.3	0.7	-0.1	0.9	59	4.5	277	-0.35
VR3	60	Variety	INRA - Morocco	919.0	60.7	96	132	152	38.4	1.1	16.0	0.7	37	15	687	0.09
VR4	61	Variety	INRA - Morocco	739.0	63.2	93	129	150	37.5	1.0	11.0	0.8	58	8.3	561	-0.02
VR5	62	Variety	INRA - Morocco	819.0	56.3	92	128	148	37.5	1.3	5.4	0.9	47	9.9	553	0.28
VR6	63	Variety	INRA - Morocco	949.0	55.7	92	127	148	31.6	0.8	1.5	0.9	38	7.7	171	-0.18
VR7	64	Variety	INRA - Morocco	1044.0	55.7	94	130	152	35.3	1.1	38.0	0.5	31	7.5	618	0.06
VR8	65	Variety	INRA - Morocco	847.0	53.5	94	130	151	35.2	1.0	3.4	0.9	42	7.5	337	-0.05
VR9	66	Variety	INRA - Morocco	1078.0	55.2	94	130	151	31.0	1.0	5.0	0.9	28	4.8	99	-0.01