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SUPPL. TABLE 1. Genotypes ranked from the most tolerant to the most susceptible based on the final germination percentage (FGP %, left-hand side columns) and on the time to reach 50% germination (t50, days, right-hand side columns).

Genotype	FGP			Genotype	t50		
	FGP C	FGP S	Reduction%		t50 C	t50 S	Reduction%
GTA Dur	76.67	93.33	-21.74	Oued Zenati 368	5.00	3.35	32.92
Djenah Khoteifa	70.00	82.86	-18.37	Capeiti	4.38	3.54	18.98
Beliouni	53.33	62.62	-17.41	Beliouni	5.50	4.62	16.02
Bidi 17	77.75	89.52	-15.15	Gloire de Mongolfier	4.25	3.69	13.24
Gloire de Mongolfier	76.67	86.43	-12.73	Tejdid	3.50	3.08	11.90
Miki-2	90.00	96.15	-6.84	Simeto	3.60	3.21	10.71
MBB	96.67	100.00	-3.45	Guemgoum R'khem	4.10	3.67	10.57
Altar14	76.67	79.29	-3.42	Korifla	3.52	3.30	6.27
Capeiti	74.62	76.67	-2.75	Miki-2	3.65	3.45	5.48
Korifla	86.67	86.67	0.00	MBB	3.07	3.00	2.33
Sitifis	96.67	96.67	0.00	Megress	3.11	3.08	1.18
Langloise	96.67	96.43	0.25	Langloise	3.43	3.44	-0.36
Mexicali 75	93.33	92.86	0.51	Djenah Khoteifa	3.75	3.83	-2.22
Oued Zenati 368	70.00	67.86	3.06	Aures	3.10	3.20	-3.08
Massinissa	100.00	96.67	3.33	Mexicali 75	3.11	3.25	-4.53
Megress	100.00	96.67	3.33	INRAT 69	3.10	3.29	-6.15
Aures	96.67	93.33	3.45	Montpellier	3.04	3.25	-6.77
Waha	96.67	93.33	3.45	Hedba 3	2.83	3.04	-7.62
INRAT 69	93.33	90.00	3.57	Oued El Berd	2.89	3.13	-8.23
Hedba 3	100.00	96.43	3.57	Acsad 65	3.38	3.75	-11.11
Ofanto	100.00	96.43	3.57	Polonicum	2.94	3.33	-12.92
ZB/Fg	100.00	96.43	3.57	Mansourah	3.14	3.56	-13.07
Cirta	93.33	90.00	3.57	El Maather	2.97	3.37	-13.61
Acsad 65	86.67	83.33	3.85	Ofanto	2.81	3.25	-15.56
Montpellier	100.00	95.83	4.17	Cirta	2.87	3.32	-15.95
Mansourah	100.00	93.33	6.67	Massinissa	2.79	3.32	-18.86
Oued El Berd	96.67	90.21	6.68	Altar14	2.69	3.29	-22.19
Tejdid	100.00	92.82	7.18	Sitifis	2.50	3.08	-23.08
Vitron	96.67	89.29	7.64	Bidi 17	2.30	3.11	-35.27
Guemgoum R'khem	90.00	80.00	11.11	Vitron	2.48	3.45	-39.32
Polonicum	90.00	80.00	11.11	Wahbi	2.30	3.21	-39.67
Sbaa Aldjia	80.00	70.00	12.50	Waha	2.14	3.14	-46.73
El Maather	100.00	86.67	13.33	GTA Dur	2.70	4.10	-51.85
Wahbi	90.00	73.33	18.52	ZB/Fg	1.82	2.99	-64.38
Simeto	73.33	43.33	40.91	Sbaa Aldjia	3.71	6.33	-70.51

- FGP C and FGP S: Final germination percentage under control and under stress, respectively.

- t50 C and t50 S: Time that takes the genotype to reach 50% of germination under control and under stress, respectively.

SUPPL. TABLE 2. Improved and landrace mean separation and ANOVA analysis for seedling traits of the 27 genotypes and type effect under field conditions.

Traits	Mean values		ANOVA	
	Improved	Landrace	Genotype	Type
FGP	64.99	61.56	ns	ns
SL	8.10	8.60	ns	ns
CL	3.18	3.22	*	ns
RN	4.34	4.33	***	ns
TRL	16.03	17.02	ns	ns
MRL	5.25	5.34	ns	ns
SDW	9.07 b	9.92 a	ns	*
RDW	4.71	4.37	***	ns
TPB	13.85	14.32	ns	ns
RSW	0.53 a	0.46 b	**	*
RSL	0.66	0.63	ns	ns
SVI _w	0.89	0.87	ns	ns
SVI _L	871.77	860.54	ns	ns

- FGP: Final germination percentage, CL: Coleoptile length, SL: Shoot length, MRL: Maximum root length, TRL: Total root length, RN: Root number, SDW: Shoot dry weight, RDW: Root dry weight, TPB: Total plant biomass, RSL: Root to shoot length, RSW: Root to shoot weight, SVI_w: Seedling vigor index based on seedling weight, SVI_L: Seedling vigor index based on seedling length.

- *, ** and ***: Significant difference at 0.5, 0.01 and 0.001 level, respectively.

SUPPL. TABLE 3. Variance components and broad heritability (h²) calculated for control, stress and field data.

	Control (n= 35)			Stress (n= 35)			Field (n= 27)		
	Geno	Error	h ²	Geno	Error	h ²	Geno	Error	h ²
t50	0.0972	0.101	0.66	0.0749	0.0329	0.82	/	/	/
FGP	112.56	50.26	0.82	75	136.5	0.52	7.2	115.8	0.11
CL	0.2455	0.262	0.65	0.1037	0.62	0.25	0.0576	0.326	0.26
SL	0.153	7.808	0.04	0	3.456	0	0.174	1.387	0.20
MRL	4.47	14.33	0.38	125.732	4.895	0.98	33.131	0.876	0.99
TRL	39.8	218.6	0.27	0	92.64	0	2.01	14.86	0.21
RN	0.0111	0.257	0.08	0.0358	0.247	0.22	0.1238	0.143	0.63
SDW	9.61E-07	7.18E-06	0.21	0	2.64E-06	0	0	1.6E-06	0
RDW	1.181E-06	4.31E-06	0.35	1.65E-07	1.55E-06	0.18	4.57E-07	7.2E-07	0.56
TPB	3.63E-06	1.91E-05	0.28	0	7.58E-06	0	6E-08	2.6E-06	0.04
RSL	0.054	0.0549	0.66	0	0.153	0	0	0.0155	0
RSW	0.57864	0.0273	0.98	0.00349	0.0346	0.17	0.003694	0.00737	0.50
SVI _w	0.0792	0.163	0.49	0.01783	0.0703	0.34	0	0.0398	0
SVI _L	176139	346980	0.50	54975	150709	0.42	0	51736	0

- T50: Time to reach 50% germination, FGP: Final germination percentage, CL: Coleoptile length, SL: Shoot length, MRL: Maximum root length, TRL: Total root length, RN: Root number, SDW: Shoot dry weight, RDW: Root dry weight, TPB: Total plant biomass, RSL: Root to shoot length, RSW: Root to shoot weight, SVI_w: Seedling vigor index based on seedling weight, SVI_L: Seedling vigor index based on seedling length.

SUPPL. TABLE 4. Pearson correlation of germination and seedling traits in field conditions.

Variables	FGP	SL	CL	RN	TRL	MRL	SDW	RDW	TPB	RSW	RSL	SVI _w	SVI _L
FGP	1.00												
SL	0.16	1.00											
CL	0.08	0.72	1.00										
RN	-0.17	0.49	0.42	1.00									
TRL	-0.04	0.57	0.34	0.67	1.00								
MRL	0.11	0.41	0.22	0.19	0.79	1.00							
SDW	0.24	0.10	0.07	-0.11	0.04	0.21	1.00						
RDW	-0.07	0.29	0.01	0.57	0.74	0.53	0.05	1.00					
TPB	0.13	0.26	0.06	0.30	0.52	0.50	0.75	0.70	1.00				
RSW	-0.09	-0.19	-0.29	0.29	0.43	0.33	0.00	0.78	0.52	1.00			
RSL	-0.03	-0.42	-0.35	-0.20	0.32	0.64	0.14	0.28	0.28	0.51	1.00		
SVI _w	0.75	0.51	0.21	0.28	0.46	0.41	0.25	0.51	0.52	0.18	-0.04	1.00	
SVI _L	0.83	0.61	0.38	0.10	0.41	0.53	0.29	0.20	0.34	-0.04	0.02	0.86	1.00

- T50: Time to reach 50% germination, FGP: Final germination percentage, CL: Coleoptile length, SL: Shoot length, MRL: Maximum root length, TRL: Total root length, RN: Root number, SDW: Shoot dry weight, RDW: Root dry weight, TPB: Total plant biomass, RSL: Root to shoot length, RSW: Root to shoot weight, SVI_w: Seedling vigor index based on seedling weight, SVI_L: Seedling vigor index based on seedling length.

- Values in bold are different from 0 with a significance level alpha= 0.05.

SUPPL. TABLE 5. Pearson correlation of measured traits between field, no stress and stress.

Trait	Field vs control	Field vs stress
FGP	0.13	0.10
SL	-0.16	0.01
CL	0.07	-0.01
RN	0.02	0.13
TRL	-0.16	-0.04
MRL	-0.06	-0.08
SDW	0.02	0.33
RDW	0.08	-0.12
TPB	-0.05	0.14
RSW	0.05	0.02
RSL	0.05	-0.04
SVI _w	0.06	-0.04
SVI _L	0.06	0.12

- FGP: Final germination percentage, CL: Coleoptile length, SL: Shoot length, MRL: Maximum root length, TRL: Total root length, RN: Root number, SDW: Shoot dry weight, RDW: Root dry weight, TPB: Total plant biomass, RSL: Root to shoot length, RSW: Root to shoot weight, SVI_w: Seedling vigor index based on seedling weight, SVI_L: Seedling vigor index based on seedling length.

- Values in bold are different from 0 with a significance level alpha= 0,05.

SUPPL. TABLE 6. Mean values for measured seedling traits in control, stress and field conditions.

Genotype (n= 27)	SL (cm)	CL (cm)	RN	TRL (cm)	MRL (cm)	SDW (mg)	RDW (mg)	TPB (mg)	RSW	RSL	SVI _w	SVI _L
Control												
Acs	12.37	2.92	4.80	37.98	11.68	9.03	6.25	15.28	0.70	0.96	1.32	2084.33
Alt	7.32	3.03	4.50	34.49	10.84	6.79	4.94	11.73	0.87	1.39	1.02	1548.27
Bid	12.84	4.55	4.90	42.12	13.60	8.57	6.05	14.62	0.71	1.13	1.14	2056.48
Cap	13.47	3.84	4.90	30.05	9.57	8.44	5.02	13.46	0.59	0.70	1.03	1743.58
Cir	14.14	3.22	4.10	23.46	8.52	4.51	8.80	13.31	1.04	1.00	1.72	1539.67
Glo	13.43	3.97	4.70	30.42	10.97	7.12	4.56	11.68	0.68	0.82	0.89	1879.60
GTA	11.12	3.11	5.40	40.96	12.16	7.34	6.98	14.32	0.96	1.11	1.09	1772.67
Gue	11.15	4.86	4.00	35.89	11.25	7.42	4.04	11.46	0.60	1.06	0.97	1898.80
Hed	14.72	5.00	4.60	42.16	13.61	5.95	4.31	10.26	0.73	0.92	1.03	2833.00
INR	12.54	3.78	5.00	48.24	14.37	7.60	6.49	14.09	0.86	1.15	1.32	2511.60
Kor	14.08	3.57	4.80	44.35	13.45	12.73	7.58	20.30	0.60	0.97	1.76	2386.15
Lan	8.95	4.78	4.60	28.31	10.29	5.00	3.70	8.70	0.82	1.23	0.83	1840.47
Man	12.64	4.05	5.00	54.91	16.90	9.06	6.32	15.38	0.70	1.34	1.54	2954.00
Mas	11.62	3.00	4.90	64.30	19.71	10.68	9.51	20.19	0.89	1.70	2.02	3133.00
MBB	13.52	5.15	4.70	33.60	11.07	7.29	3.66	10.95	0.47	0.81	1.07	2390.07
Mgs	8.31	3.61	4.30	41.80	12.64	6.33	5.61	11.94	0.91	1.44	1.19	2095.00
Mex	12.12	4.01	4.80	34.04	10.68	5.74	4.67	10.41	0.80	0.88	0.98	2137.87
Mon	9.35	4.36	4.50	45.96	16.73	9.38	8.30	17.68	0.89	1.79	1.77	2608.00
Ofan	12.13	3.38	5.00	55.59	16.89	10.21	7.86	18.07	0.77	1.39	1.81	2902.00
OEB	12.56	3.90	4.60	44.05	14.38	9.00	7.19	16.19	0.79	1.14	1.55	2592.27
OZ	11.08	4.01	3.90	23.69	8.28	7.57	3.52	11.09	0.47	0.76	0.78	1349.33
Pol	11.31	5.01	4.40	25.78	8.86	6.49	4.07	10.56	0.62	0.76	0.96	1830.13
Sim	13.96	2.88	5.05	39.68	12.17	12.15	7.06	19.21	0.63	0.88	1.43	1907.00
Sit	12.96	4.02	5.10	65.36	18.79	8.99	8.43	17.42	0.94	1.45	1.67	3063.73
Vit	13.14	3.72	5.00	44.17	12.60	7.90	5.83	13.73	0.72	0.95	1.32	2478.33
Wah	13.09	4.06	4.20	39.05	13.14	6.62	6.03	12.65	0.88	1.00	1.23	2542.13
ZBF	11.86	4.00	4.40	46.97	14.09	8.00	5.78	13.78	0.68	1.17	1.38	2595.00
Stress												
Acs	7.91	2.79	5.00	28.55	10.28	7.35	6.37	13.72	0.87	1.32	1.13	1556.67
Alt	4.73	2.86	4.30	30.40	8.00	5.43	5.30	10.73	1.22	2.44	0.85	1003.81
Bid	7.64	4.46	5.00	36.64	11.02	6.61	6.54	13.15	1.00	1.44	1.18	1665.03
Cap	4.24	3.61	4.90	19.08	6.08	3.63	4.16	7.79	1.13	1.44	0.61	799.93
Cir	5.07	4.40	5.80	29.48	9.11	5.92	6.17	12.09	1.04	1.83	1.10	1277.40
Glo	8.99	3.79	5.10	38.46	11.81	9.39	8.13	17.52	0.86	1.32	1.50	1783.44
GTA	6.06	2.99	5.40	32.64	10.28	5.30	6.11	11.41	1.16	1.73	0.88	1518.13
Gue	7.57	4.28	5.50	42.81	12.11	8.36	7.89	16.25	0.95	1.62	1.30	1574.40
Hed	7.96	4.56	5.00	40.29	13.10	6.01	5.96	11.97	1.00	1.67	1.15	2037.36
INR	8.26	3.49	5.60	45.10	11.14	7.14	9.05	16.19	1.27	1.41	1.44	1715.40
Kor	7.56	3.39	5.00	30.21	10.71	6.94	6.68	13.62	1.00	1.45	1.18	1583.40
Lang	8.39	4.25	4.70	34.78	11.59	9.19	6.81	16.00	0.74	1.40	1.54	1920.64
Man	6.24	3.54	4.90	37.39	12.39	5.02	5.47	10.49	1.16	1.99	0.98	1738.80

SUPPL. TABLE Cont. 6

Genotypes	SL (cm)	CL (cm)	RN	TRL (cm)	MRL (cm)	SDW (mg)	RDW (mg)	TPB (mg)	RSW	RSL	SVI _w	SVI _L
Stress												
Mas	6.10	2.96	4.80	34.45	11.61	5.58	6.35	11.93	1.15	1.92	1.15	1712.73
MBB	8.11	4.98	5.00	43.20	12.66	7.78	6.53	14.31	0.84	1.59	1.43	2077.00
Mgs	6.16	3.09	5.00	33.99	10.49	5.93	6.67	12.60	1.16	1.73	1.22	1606.60
Mex	6.99	3.59	4.90	29.05	10.26	5.66	5.53	11.19	0.98	1.47	1.04	1612.43
Mon	6.56	5.21	5.00	31.56	10.03	6.18	6.38	12.56	1.05	1.53	1.21	1589.08
Ofa	7.49	3.39	4.90	38.13	12.63	6.34	6.30	12.64	1.00	1.71	1.22	1947.57
OEB	7.81	4.10	4.70	36.02	11.32	6.64	6.06	12.70	0.91	1.45	1.14	1718.57
OZ	7.24	4.61	5.10	36.37	10.14	7.14	6.43	13.57	0.91	1.44	0.94	1223.07
Pol	7.89	4.91	5.60	33.21	10.99	7.26	5.36	12.62	0.74	1.39	1.01	1532.00
Sim	8.09	4.07	4.50	23.36	7.67	6.67	4.42	11.09	0.68	0.98	0.48	692.17
Sit	7.53	4.39	4.70	37.34	12.69	6.30	6.31	12.61	1.01	1.69	1.22	1951.13
Vit	6.14	3.25	5.10	28.89	9.33	6.00	6.69	12.69	1.12	1.53	1.13	1388.36
Wah	8.79	3.28	5.40	36.93	12.45	6.36	6.87	13.23	1.08	1.42	1.24	1994.93
ZBF	6.86	4.24	5.60	42.05	11.79	5.25	6.11	11.36	1.19	1.72	1.10	1803.00
Field												
Acs	8.17	2.99	3.80	11.60	4.29	8.66	4.10	12.76	0.45	0.52	1.06	994.24
Alt	10.10	3.93	4.65	22.18	6.98	9.73	7.10	16.83	0.62	0.69	1.18	1087.29
Bid	9.02	3.45	4.70	18.97	5.48	10.27	4.87	15.14	0.46	0.61	0.79	742.40
Cap	8.17	3.32	5.00	17.87	4.79	8.96	5.06	14.02	0.56	0.58	1.01	932.71
Cir	7.68	3.07	4.60	18.72	5.17	8.62	5.52	14.14	0.54	0.68	0.87	715.48
Glo	8.54	4.52	4.40	16.46	4.79	10.18	3.63	13.81	0.34	0.58	0.94	885.79
GTA	7.96	3.19	5.20	20.04	5.09	8.38	5.99	14.37	0.66	0.64	1.00	855.93
Gue	8.49	3.50	4.40	18.37	5.58	8.75	4.58	13.33	0.51	0.66	0.61	630.92
Hed	9.18	3.39	4.60	17.14	5.75	9.15	3.71	12.86	0.39	0.64	0.75	846.45
INR	8.52	3.13	4.60	17.60	5.47	9.60	5.46	15.06	0.60	0.64	0.85	820.89
Kor	8.79	3.00	4.00	16.35	5.80	9.03	4.22	13.25	0.45	0.67	0.81	901.74
Lan	9.04	3.06	4.40	16.62	4.96	9.48	4.91	15.20	0.50	0.56	1.03	966.67
Mans	8.24	3.34	4.20	14.34	5.07	8.85	3.69	12.54	0.40	0.62	0.85	885.89
Mas	8.80	3.42	4.10	14.48	4.98	8.94	3.95	12.89	0.45	0.57	0.88	949.82
MBB	8.14	2.70	3.40	14.48	5.71	10.70	4.03	14.73	0.48	0.71	1.03	1130.65
Mgs	7.64	3.14	4.00	15.40	5.68	7.00	4.40	12.00	0.52	0.74	0.64	666.00
Mex	8.02	3.56	4.50	16.70	5.64	10.13	3.94	14.07	0.49	0.69	0.90	1037.26
Mon	5.92	2.96	3.50	09.71	4.17	8.95	3.01	11.96	0.40	0.70	0.74	708.70
Ofa	8.89	2.89	4.50	21.66	6.73	9.27	5.85	15.12	0.62	0.76	1.04	1055.77
OEB	7.35	2.93	3.70	12.61	5.08	10.00	4.55	14.55	0.56	0.70	0.78	771.11
OZ	7.76	2.56	4.40	17.10	5.14	10.69	4.89	15.58	0.51	0.67	0.92	820.88
Pol	7.29	3.52	4.50	15.70	5.59	10.78	4.85	15.63	0.60	0.79	0.82	806.76
Sim	6.58	1.80	4.20	17.71	5.70	8.32	5.09	13.41	0.65	0.87	0.69	673.50
Sit	7.07	3.05	3.90	10.14	4.00	8.82	4.13	12.95	0.56	0.57	0.71	682.02
Vit	10.00	4.08	4.93	18.44	5.18	8.94	4.97	13.91	0.52	0.52	0.94	985.57
Wah	8.52	3.28	4.00	14.04	4.82	9.48	3.23	12.71	0.38	0.57	0.83	944.62
ZBF	8.07	2.94	4.70	15.05	4.92	9.03	4.98	14.01	0.54	0.64	0.94	857.30

- CL: Coleoptile length, SL: Shoot length, MRL: Maximum root length, TRL: Total root length, RN: Root number, SDW: Shoot dry weight, RDW: Root dry weight, TPB: Total plant biomass, RSL: Root to shoot length, RSW: Root to shoot weight, SVI_w: Seedling vigor index based on seedling weight, SVI_L: Seedling vigor index based on seedling length.