

Table S1. Tukey's HSD post hoc differences in the absolute determination of photosynthetic rate (A), transpiration rate (E), stomatal conductance (g_s), intrinsic water use efficiency (iWUE), Stem height and CCI in NS and WS leaves untreated (Control) or treated with the different formulatres (MULTISTRAIN, Myc_Rhizo, LC3.5+5.2 or the Commercial MIX) * $p \leq 0.05$; ** $p \leq 0.01$; *** $p \leq 0.005$.

			A	E	g_s	iWUE (A/ g_s)	Shoot height	CCI
NS	Control	Multistrain	-0.45	0.11	0.02	-4.55	6.64	-8.88*
		Myc_Rhizo	-0.06	0.21	0.03	-5.41	6.64	0.35
		LC3.5+5.2	-0.69	-0.46	0.01	-4.06	2.03	-7.88*
		COMMERCIAL MIX	-0.7	0.09	0.03	-9.54	-0.47	-8.08*
	Multistrain	Myc_Rhizo	0.39	0.09	0.01	-0.86	0.01	9.24*
		LC3.5+5.2	-0.24	-0.58	-0.01	0.48	-4.61	1.01
		COMMERCIAL MIX	-0.25	-0.02	0.01	-4.99	-7.11	0.8
	Myc_Rhizo	LC3.+5.2	-0.63	-0.68	-0.03	1.35	-4.61	-8.23*
		COMMERCIAL MIX	-0.64	-0.11	0.01	-4.12	-7.11	-8.43*
	LC3.5+5.2	COMMERCIAL MIX	-0.01	0.56	0.02	-5.47	-2.5	-0.2
WS	Control	Multistrain	-0.68	0.16	0.03	-13.01	0.69	-12.36***
		Myc_Rhizo	-0.08	0.21	0.08	-10.28	1.16	-2.72
		LC3.5+5.2	0.78	-0.32	0.07	-2.54	1.26	-9.48**
		COMMERCIAL MIX	0.75	0.38	0.09	-11.25	-8.21	-14.53***
	Multistrain	Myc_Rhizo	0.59	0.05	0.05	2.73	0.46	9.64**
		LC3.5+5.2	1.46**	-0.48	0.04	10.47	0.56	2.88
		COMMERCIAL MIX	1.43**	0.22	0.05	1.76	-8.9	-2.17
	Myc_Rhizo	LC3.5+5.2	0.87	-0.53	-0.01	7.73	0.1	-6.76*
		COMMERCIAL MIX	0.83	0.17	0.01	-0.97	-9.37	-11.81***
	LC3.5+5.2	COMMERCIAL MIX	-0.03	0.7	0.01	-8.7	-9.47	-5.05

Table S2. Absolute determination of Total Content of Chlorophylls (TCC), Proline (TpC), Polyphenols (TPC), Indole Acetic Acid (IAA) and Absciscic Acid (ABA) evaluated on both unstressed (NS) and water stressed (WS) plants, treated or untreated with the different formulates. Data are expressed as mean $\pm$ SD of five different biological replicates. Among the same series, different lowercase letters indicate significant different values at $p \leq 0.05$ as measured by one way-ANOVA followed by Tukey's HSD post hoc test.

				Control	MULTISTRAIN	Myc_Rhizo	LC3.5+5.2	Commercial MIX
Leaves	Chlorophylls	<i>mg per g d.wt</i>	NS	1.8 $\pm$ 0.08 ^{ab}	1.81 $\pm$ 0.17 ^{ab}	2 $\pm$ 0.18 ^a	1.86 $\pm$ 0.14 ^a	1.46 $\pm$ 0.1 ^b
			WS	1.21 $\pm$ 0.05 ^c	1.53 $\pm$ 0.07 ^b	2.24 $\pm$ 0.14 ^a	1.47 $\pm$ 0.07 ^b	1.65 $\pm$ 0.16 ^b
	Proline	<i>mmol per g d.wt.</i>	NS	2.01 $\pm$ 0.12 ^a	2.06 $\pm$ 0.14 ^a	2.42 $\pm$ 0.15 ^a	1.55 $\pm$ 0.12 ^b	2.4 $\pm$ 0.24 ^a
			WS	2.94 $\pm$ 0.33 ^b	1.92 $\pm$ 0.16 ^a	3.6 $\pm$ 0.2 ^c	2.1 $\pm$ 0.12 ^c	2.25 $\pm$ 0.07 ^c
	TPC	<i>umol GAE per g d.wt.</i>	NS	161.37 $\pm$ 2.1 ^{bc}	165.46 $\pm$ 7.9 ^{bc}	194.08 $\pm$ 17.55 ^a	153 $\pm$ 8.62 ^c	180.69 $\pm$ 6.95 ^{ab}
			WS	116.7 $\pm$ 8.76 ^d	218.37 $\pm$ 8.72 ^b	355.1 $\pm$ 7.75 ^a	206.55 $\pm$ 9.49 ^{bc}	193.26 $\pm$ 2.11 ^c
	IAA	<i>ug IAA per g d.wt</i>	NS	93.04 $\pm$ 9.72 ^a	62.29 $\pm$ 13.52 ^{ab}	68.39 $\pm$ 9.69 ^{ab}	81.53 $\pm$ 20.47 ^{ab}	46.51 $\pm$ 15.53 ^b
			WS	49.43 $\pm$ 1.97 ^a	80.61 $\pm$ 22.32 ^a	94.74 $\pm$ 16.16 ^a	61.29 $\pm$ 28.78 ^a	85.13 $\pm$ 37.05 ^a
	ABA	<i>ug ABA per g d.wt</i>	NS	2.47 $\pm$ 0.42 ^a	3.17 $\pm$ 0.4 ^a	3.64 $\pm$ 1.36 ^a	3.58 $\pm$ 0.71 ^a	2.72 $\pm$ 0.54 ^a
			WS	5.22 $\pm$ 2.54 ^{ab}	1.91 $\pm$ 0.03 ^b	3.21 $\pm$ 0.8 ^b	2.79 $\pm$ 0.46 ^b	7.61 $\pm$ 0.66 ^a
Roots	TPC	<i>umol GAE per g d.wt.</i>	NS	291.33 $\pm$ 6.43 ^a	291.17 $\pm$ 7.42 ^a	257.76 $\pm$ 8.93 ^b	273.77 $\pm$ 5.23 ^b	269.94 $\pm$ 2.23 ^b
			WS	143.01 $\pm$ 8.9 ^d	231.93 $\pm$ 4.19 ^a	206.36 $\pm$ 5.71 ^b	179.03 $\pm$ 2.09 ^c	208.54 $\pm$ 0.3 ^b
	IAA	<i>ug IAA per g d.wt</i>	NS	49.08 $\pm$ 5.83 ^a	34.52 $\pm$ 11.38 ^{ab}	44.43 $\pm$ 11.65 ^a	16.39 $\pm$ 3.77 ^b	27.43 $\pm$ 14.05 ^{ab}
			WS	48.78 $\pm$ 14.51 ^a	22.56 $\pm$ 4.34 ^{ab}	14.42 $\pm$ 9.1 ^b	33.74 $\pm$ 9.97 ^{ab}	27.62 $\pm$ 11.39 ^{ab}
	ABA	<i>ug ABA per g d.wt</i>	NS	5.92 $\pm$ 2.72 ^c	25.68 $\pm$ 3.42 ^b	38.96 $\pm$ 6.07 ^a	14.04 $\pm$ 3.98 ^c	8.39 $\pm$ 1.3 ^c
			WS	8.02 $\pm$ 1.08 ^b	8.5 $\pm$ 0.51 ^b	13.46 $\pm$ 2.63 ^a	2.85 $\pm$ 1.58 ^c	8.11 $\pm$ 1.74 ^b

Table S3: Tukey's HSD post hoc differences in the absolute determination of Total Content of Chlorophylls (TCC), Proline (TpC), Polyphenols (TPC), Indole Acetic Acid (IAA) and Absciscic Acid (ABA) evaluated on both leaves and roots of unstressed (NS) and water-stressed (WS) plants.

* $p \leq 0.05$; ** $p \leq 0.01$; *** $p \leq 0.005$.

	CONTROL				MULTISTRAIN			MYC_RHIZO		LC3.5+5.2
	MULTISTRAIN	MYC_RHIZO	LC3.5+5.2	COMMERCIAL MIX	MYC RHIZO	LC3.5+5.2	COMMERCIAL MIX	LC3.5+5.2	COMMERCIAL MIX	COMMERCIAL MIX
CL_NS	0.011	0.198	0.064	0.342	0.187	0.053	0.353	0.134	0.541**	0.407*
CL_WS	0.328*	1.035***	0.26	0.444**	0.707***	0.068	0.115	0.775***	0.591***	0.183
PRO_NS	0.051	0.407	0.456*	0.393	0.355	0.508*	0.341	0.864**	0.013	0.85**
PRO_WS	1.027**	0.654*	0.841**	0.691*	1.681***	0.185	0.335	1.496***	1.346***	0.149
TPC_L_NS	4.093	32.714*	8.367	19.322	28.62*	12.461	15.228	41.081**	13.392	27.689*
TPC_F_WS	101.663***	238.393***	89.841***	76.556***	136.73***	11.821	25.106*	148.551***	161.836***	13.285
IAA_L_NS	30.757	24.655	11.511	46.539*	6.102	19.246	15.781	13.143	21.883	35.027
IAA_L_WS	31.177	45.312	11.856	35.697	14.135	19.321	4.52	33.456	9.614	23.841
ABA_L_NS	0.69	1.167	1.103	0.242	0.476	0.412	0.448	0.064	0.925	0.86
ABA_L_WS	3.309	2.01	2.437	2.382	1.298	0.871	5.691**	0.426	4.393*	4.819**
TPC_R_NS	0.156	33.562**	17.554*	21.388*	33.406**	17.398	21.232*	16.008	12.174	3.833
TPC_R_WS	88.92***	63.344***	36.019***	65.529***	25.576**	52.9***	23.39**	27.324**	2.185	29.51***
IAA_R_NS	14.566	4.65	32.696*	21.652	9.916	18.13	7.085	28.046*	17.002	11.044
IAA_R_WS	26.218	34.364*	15.04	21.163	8.146	11.178	5.055	19.324	13.201	6.123
ABA_R_NS	19.754**	33.036***	8.114	2.469	13.282*	11.639*	17.284**	24.921***	30.566***	5.645
ABA_R_WS	0.472	5.437*	5.171*	0.09	4.964*	5.644*	0.382	10.608***	5.346*	5.261*

Table S4. Tukey's HSD post hoc differences in the relative content of Total Content of Chlorophylls (TCC), Proline (TpC), Polyphenols (TPC), Indole Acetic Acid (IAA) and Absciscic Acid (ABA) evaluated on leaves and roots of untreated and treated plants, comparing unstressed (NS) and water-stressed (WS) plants to control plants * $p \leq 0.05$; ** $p \leq 0.01$; *** $p \leq 0.005$.

Figure 1			Figure 2				Figure 3			
C_WS/C_NS			Panel A	Panel B	Panel C	Panel D	Panel A	Panel B	Panel C	Panel D
			M_NS/C_NS	MR_NS/C_NS	LC_NS/C_NS	MIX_NS/C_NS	M_WS/C_WS	MR_WS/C_WS	LC_WS/C_WS	MIX_WS/C_WS
TCC_L	TpC_L	0.791***	0.194	0.916	2.622**	3.85***	0.619***	1.434***	0.500***	0.601***
	TPC_L	0.052	0.192	0.924	0.874	3.096***	0.599***	1.187***	0.554***	0.289**
	TPC_R	0.182*	0.066	2.254	0.958	1.165	0.350***	0.412***	0.036	0.091
	NS_C	0.332***	0.061	1.102	0.356	1.899*	0.271***	0.855***	0.214*	0.366***
TpC_L	TPC_L	0.735***	0.002	0.008	1.747*	0.753	1.219***	2.621***	1.055***	0.890***
	TPC_R	0.975**	0.261	3.170*	1.663	2.685***	0.970***	1.021***	0.537***	0.692***
	NS_C	0.455***	0.256	2.018	2.266*	1.951*	0.348***	0.578***	0.285**	0.234*
TPC_L	TPC_R	0.235*	0.259	3.179*	0.084	1.931*	0.249**	1.599***	0.517***	0.197*
	NS_C	0.282***	0.253	2.027	0.518	1.197	0.871***	2.042***	0.769***	0.655***
TPC_R	NS_C	0.522**	0.005	1.152	0.602	0.734	0.621***	0.442***	0.251*	0.458***

Figure 4			Figure 5				Figure 6			
C_WS/C_NS			Panel A	Panel B	Panel C	Panel D	Panel A	Panel B	Panel C	Panel D
			M_NS/C_NS	MR_NS/C_NS	LC_NS/C_NS	MIX_NS/C_NS	M_WS/C_WS	MR_WS/C_WS	LC_WS/C_WS	MIX_WS/C_WS
IAA_L	ABA_L	1.577***	0.609***	0.735***	0.568**	0.597***	1.263***	1.301***	0.705***	0.266
	IAA_R	0.462***	0.033	0.17	0.542**	0.059	1.168***	1.62***	0.548***	1.455***
	IAA_R	0.823***	3.662***	5.837***	1.492***	0.916***	0.571***	0.239	0.883***	0.71***
	NS_C	0.468***	0.33*	0.264*	0.123	0.5***	0.63***	0.916***	0.239*	0.722***
ABA_L	IAA_R	1.115***	0.575***	0.565***	1.111***	0.538***	0.095	0.319*	0.157	1.189***
	IAA_R	0.754***	3.053***	5.101***	0.923***	0.318**	0.691***	1.061***	0.177	0.444**
	NS_C	1.109***	0.278*	0.471**	0.445**	0.097	0.632***	0.384*	0.466***	0.455**
IAA_R	IAA_R	0.36***	3.629***	5.667***	2.034***	0.857***	0.596***	1.381***	0.335**	0.745***
	NS_C	0.006	0.296*	0.094	0.666***	0.441***	0.537***	0.704***	0.308**	0.733***
ABA_R	NS_C	0.354***	3.332***	5.572***	1.368***	0.416***	0.058	0.677***	0.644***	0.011