

**Table S1.** Number of plantlets grown on each tray during the experiment.

Treatment	Day					
	0	1	3	7	10	15
<b>WATER CONTROL</b>	52.67 ± 2.19 a	52.67 ± 2.19 a	53.33 ± 2.85 a	53.33 ± 2.85 a	53.67 ± 2.73 a	54.33 ± 2.6 a
<b>FITOIL CONTROL</b>	53.33 ± 0.67 a	53.33 ± 0.67 a	53.33 ± 0.67 a	53.33 ± 0.67 a	52.33 ± 1.45 a	52.33 ± 1.45 a
<b>TC4</b>	51.67 ± 3.28 a	32.67 ± 5.21 b	29.33 ± 2.67 b	29 ± 2.52 b	29.33 ± 2.73 b	29.33 ± 2.73 b
<b>TC8</b>	51.67 ± 2.33 a	10.33 ± 8.41 c	10.33 ± 8.41 c	10.67 ± 8.74 c	10.67 ± 8.74 c	11.33 ± 8.95 c
<b>TC12</b>	50.00 ± 0.58 a	0.33 ± 0.33 c	1.00 ± 0.58 c	1.67 ± 1.2 c	1.67 ± 1.2 c	1.67 ± 1.2 c

Values are means of three replicates ± standard error. Different letters in the same column indicate statistical differences between treatments ( $p < 0.05$ ) using Fisher's least significant difference (LSD) test.

**Table S2.** Multifactorial ANOVA analysis for Efficacy including treatment, species, and time as main factors as well as the double interaction effects.**Análisis de Varianza para EFICACIA - Suma de Cuadrados Tipo III**

Fuente	Suma de Cuadrados	Gl	Cuadrado Medio	Razón-F	Valor-P
<b>EFFECTOS PRINCIPALES</b>					
A:TRATAMIENTO	1,28957E6	9	143286,	204,33	0,0000
B:ESPECIE	197773,	2	98886,7	141,02	0,0000
C:DIA	209507,	4	52376,7	74,69	0,0000
<b>INTERACCIONES</b>					
AB	349427,	18	19412,6	27,68	0,0000
AC	210627,	36	5850,74	8,34	0,0000
BC	38293,3	8	4786,67	6,83	0,0000
RESIDUOS	997173,	1422	701,247		
TOTAL (CORREGIDO)	3,29237E6	1499			

Todas las razones-F se basan en el cuadrado medio del error residual

**Table S3.** Multifactorial ANOVA analysis for Damage level including treatment, species, and time as main factors as well as the double interaction effects.**Análisis de Varianza para NIVEL DE DAÑO - Suma de Cuadrados Tipo III**

Fuente	Suma de Cuadrados	Gl	Cuadrado Medio	Razón-F	Valor-P
<b>EFFECTOS PRINCIPALES</b>					
A:TRATAMIENTO	1795,58	9	199,509	413,39	0,0000
B:ESPECIE	91,2373	2	45,6187	94,52	0,0000
C:DIA	17,8027	4	4,45067	9,22	0,0000
<b>INTERACCIONES</b>					
AB	151,163	18	8,39793	17,40	0,0000
AC	45,704	36	1,26956	2,63	0,0000
BC	20,3493	8	2,54367	5,27	0,0000
RESIDUOS	686,284	1422	0,482619		
TOTAL (CORREGIDO)	2808,12	1499			

Todas las razones-F se basan en el cuadrado medio del error residual

**Table S4.** Multifactorial ANOVA analysis for Efficacy including treatment, species, and time as main factors as well as the double interaction effects.**Análisis de Varianza para EFICACIA - Suma de Cuadrados Tipo III**

Fuente	Suma de Cuadrados	Gl	Cuadrado Medio	Razón-F	Valor-P
<b>EFFECTOS PRINCIPALES</b>					
A:TRATAMIENTO	179840,	9	19982,2	28,04	0,0000
B:ESPECIE	33640,0	1	33640,0	47,20	0,0000
C:DIA	39540,0	4	9885,0	13,87	0,0000
<b>INTERACCIONES</b>					
AB	44360,0	9	4928,89	6,92	0,0000
AC	54060,0	36	1501,67	2,11	0,0002
BC	6860,0	4	1715,0	2,41	0,0480
RESIDUOS	667140,	936	712,756		
TOTAL (CORREGIDO)	1,02544E6	999			

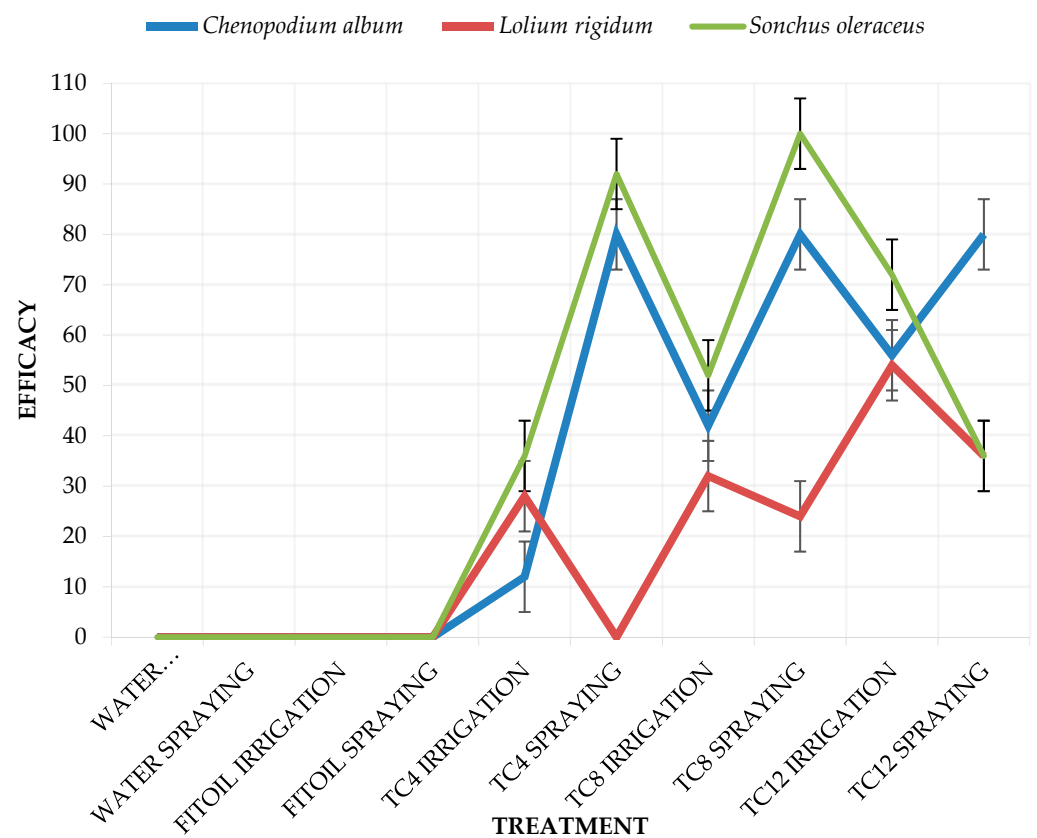
Todas las razones-F se basan en el cuadrado medio del error residual

**Table S5.** Multifactorial ANOVA analysis for Damage level including treatment, species, and time as main factors as well as the double interaction effects.

**Análisis de Varianza para NIVEL DE DAÑO - Suma de Cuadrados Tipo III**

Fuente	Suma de Cuadrados	Gl	Cuadrado Medio	Razón-F	Valor-P
<b>EFFECTOS PRINCIPALES</b>					
A:TRATAMIENTO	498,165	9	55,3517	102,10	0,0000
B:ESPECIE	39,601	1	39,601	73,05	0,0000
C:DÍA	9,72	4	2,43	4,48	0,0014
<b>INTERACCIONES</b>					
AB	63,749	9	7,08322	13,07	0,0000
AC	54,74	36	1,52056	2,80	0,0000
BC	1,584	4	0,396	0,73	0,5712
RESIDUOS	507,416	936	0,542111		
TOTAL (CORREGIDO)	1174,97	999			

Todas las razones-F se basan en el cuadrado medio del error residual



**Figure S1.** Interaction effect of species and treatment for efficacy.

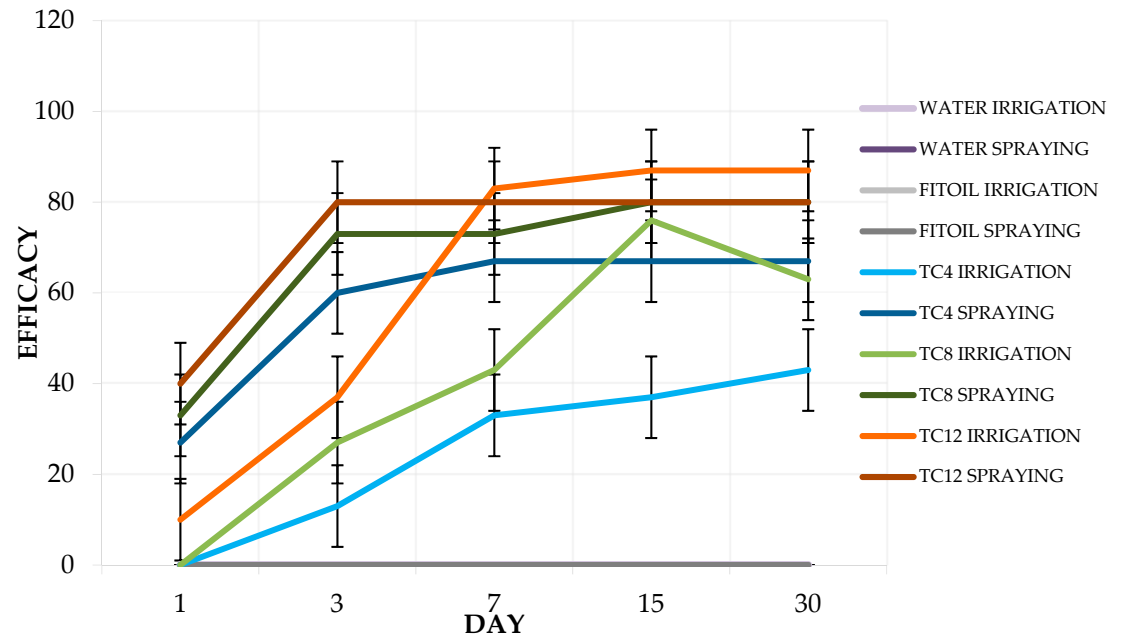


Figure S2. Interaction effect of day and treatment for efficacy.

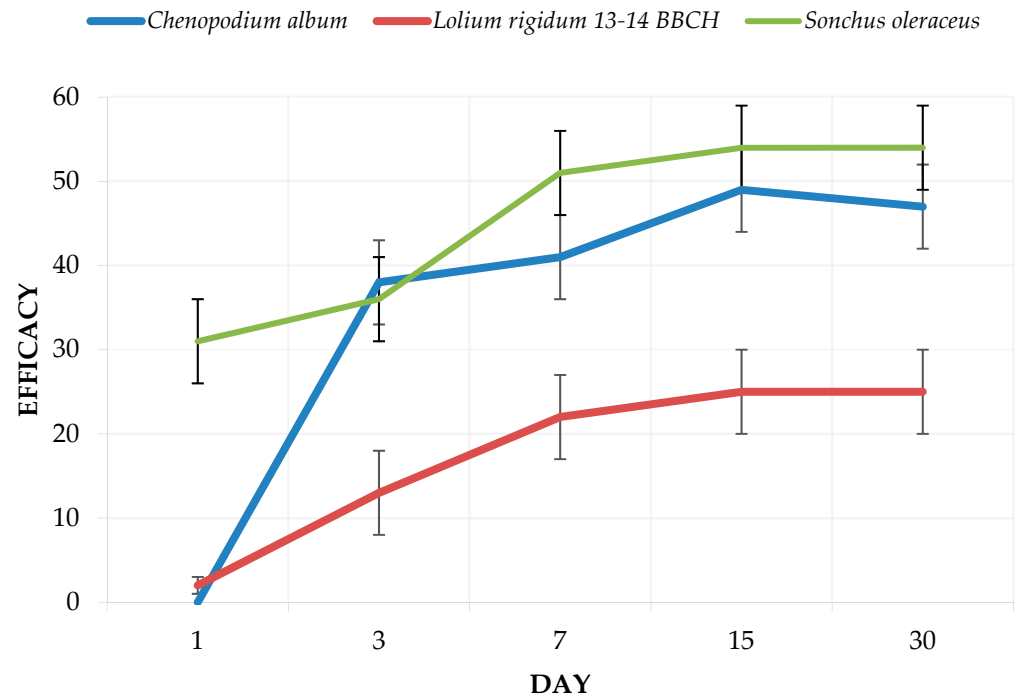
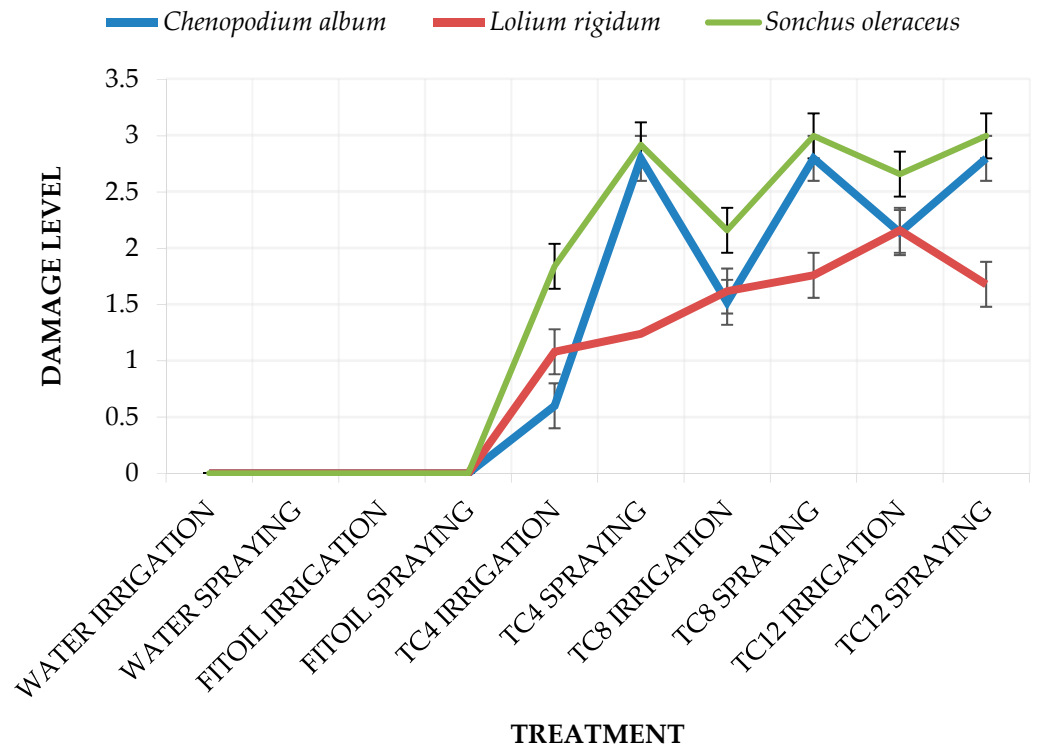
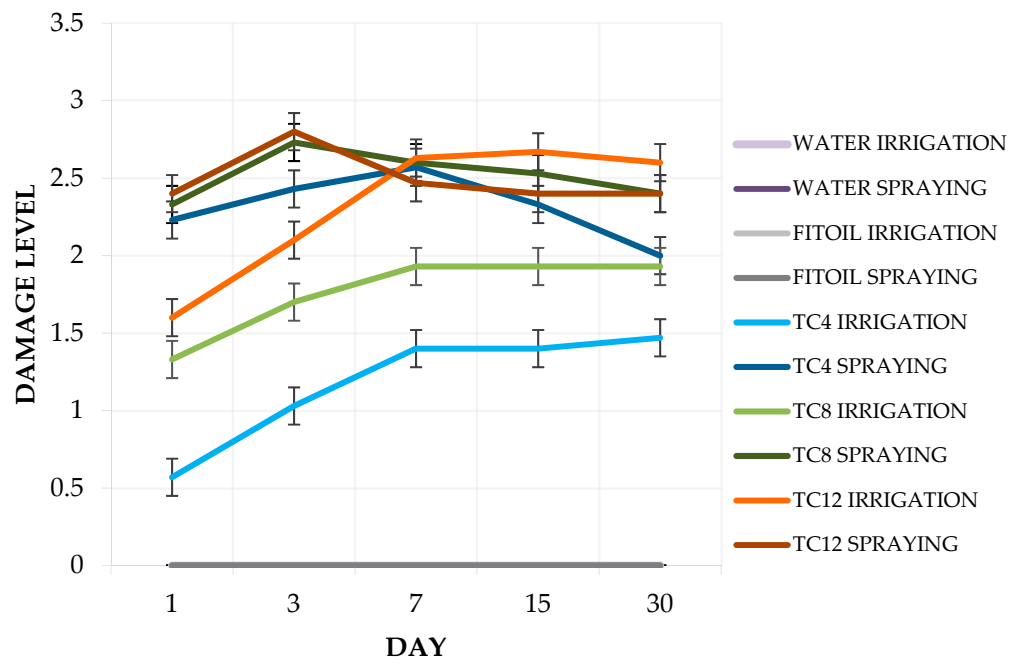


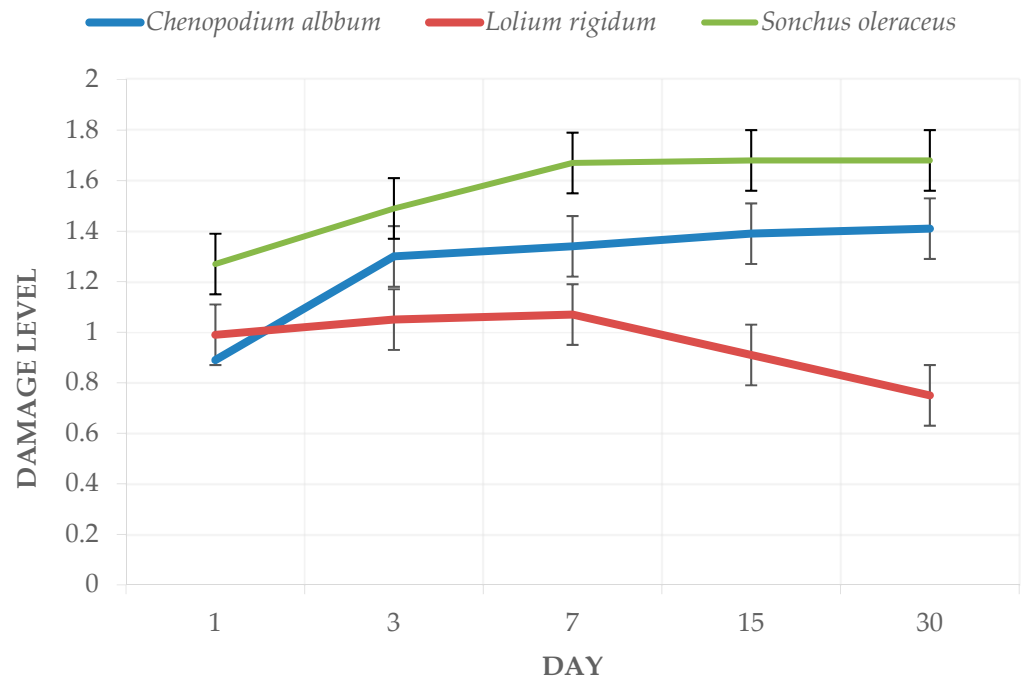
Figure S3. Interaction effect of species and day for efficacy.



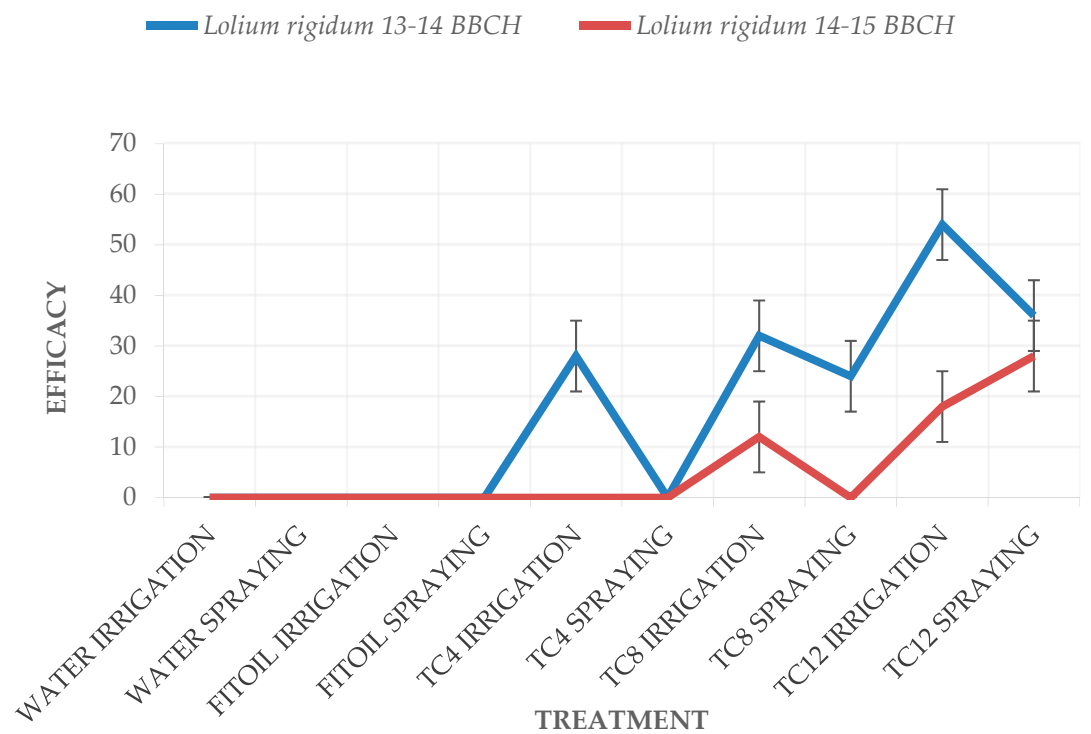
**Figure S4.** Interaction effect of species and treatment for damage level.



**Figure S5.** Interaction effect of day and treatment for damage level.



**Figure S6.** Interaction effect of species and day for damage level.



**Figure S7.** Interaction effect of *Lolium rigidum* BBCH stage and treatment for efficacy.

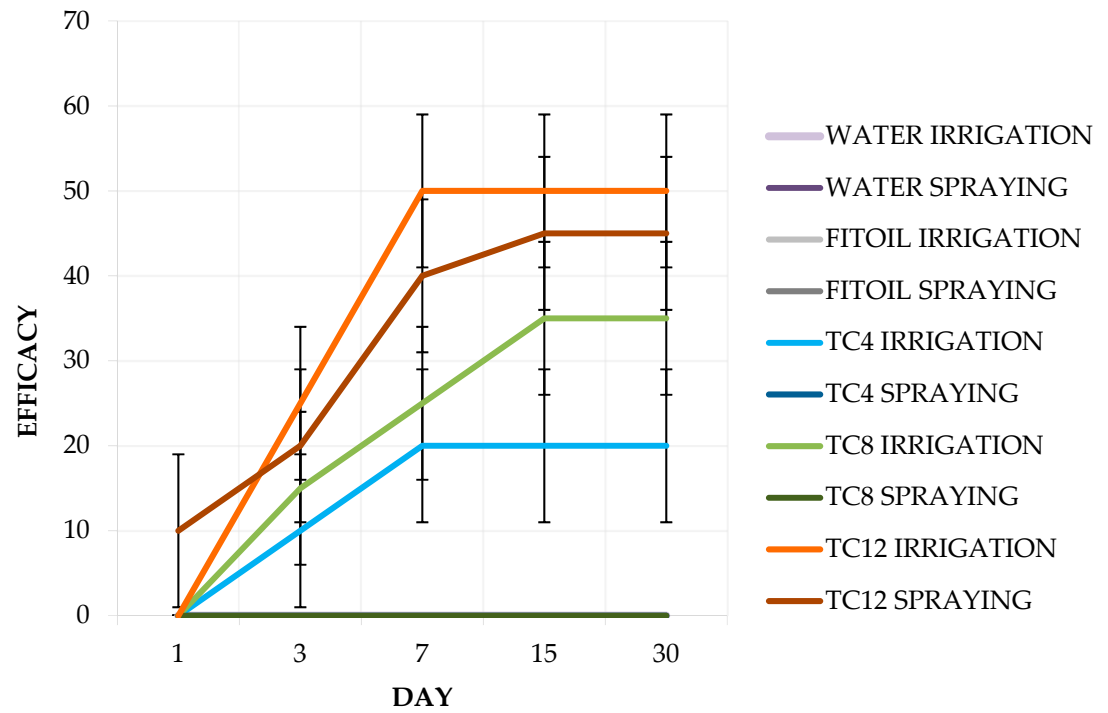


Figure S8. Interaction effect of treatment and day for efficacy.

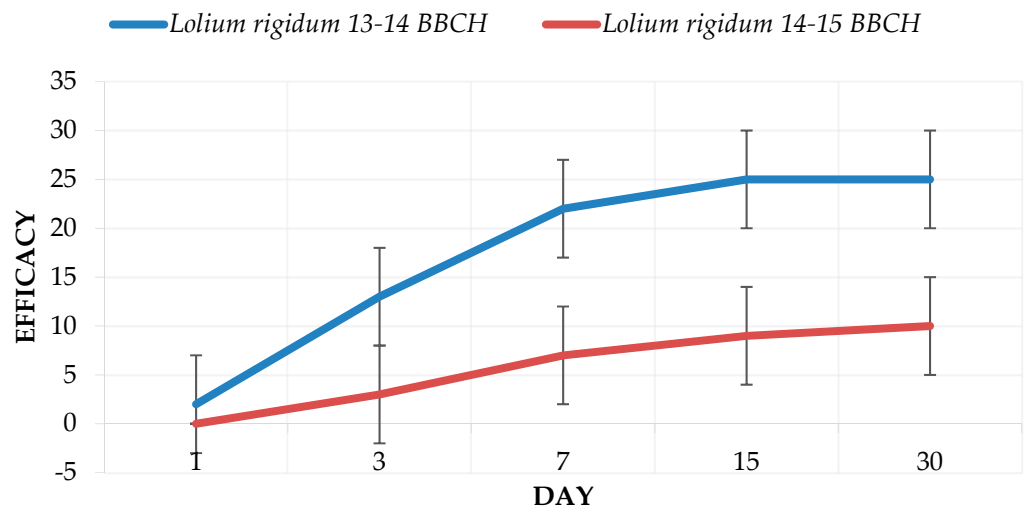
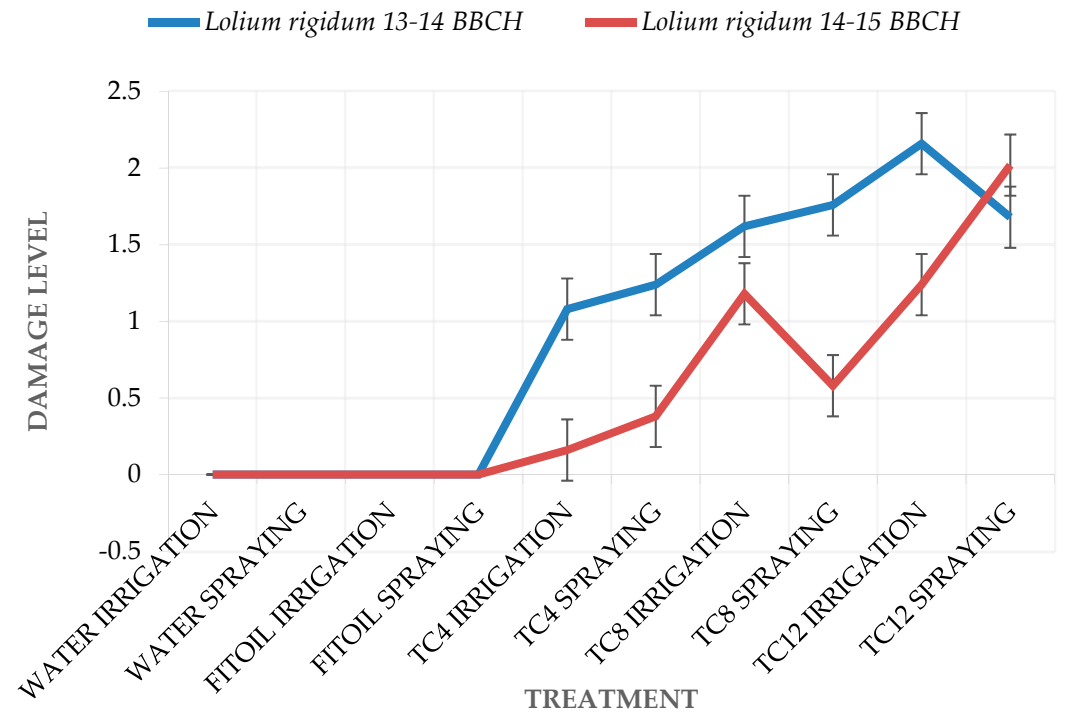
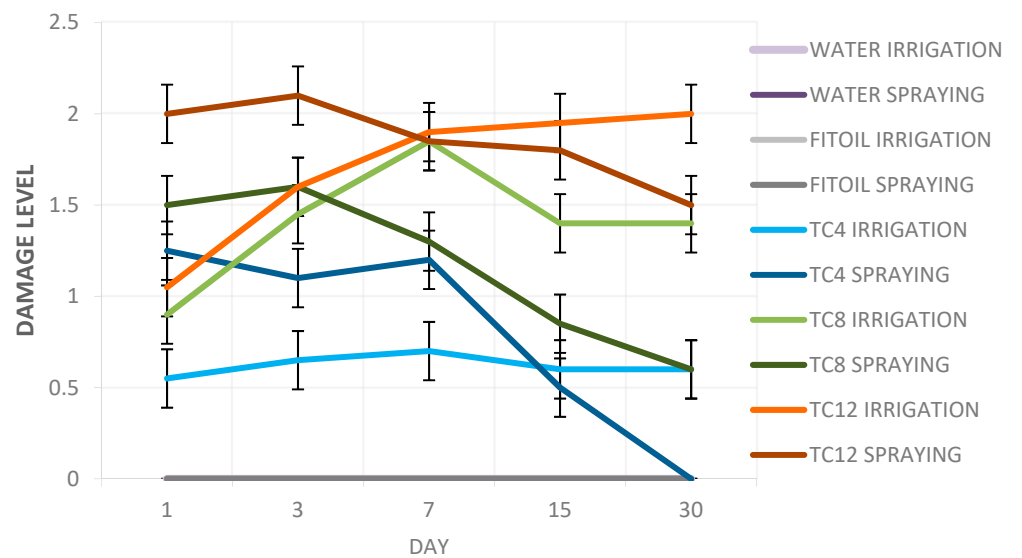


Figure S9. Interaction effect of *Lolium rigidum* BBCH stage and day for efficacy.



**Figure S10.** Interaction effect of *Lolium rigidum* BBCH stage and treatment for damage level.



**Figure S11.** Interaction effect of treatment and day for damage level.