

Table S1 Values of crop height, LAI, SPAD, SLA, number of pods and grain yield and Tukey's HSD letters

TRT	Shade depth % (SD)	Height (cm)	LAI (m <sup>2</sup> m <sup>-2</sup> )	SPAD	SLA (cm <sup>2</sup> g <sup>-1</sup> )	Number of pods m <sup>2</sup>	Grain yield (g m <sup>-2</sup> )
FL	0%	87.80 bc	2.78 bc	43.58 a	197.93 ab	2461 a	667.82 a
AV1	27%	98.25 a	3.63 a	43.41 a	213.36 a	1983 a	614.73 a
AV2	16%	86.95 bc	3.08 ab	41.87 b	201.31 a	2379 a	697.36 a
AV3	9%	85.04 c	2.97 b	42.87 ab	159.12 b	2177 a	636.80 a
AV4	18%	90.81 b	2.31 c	42.33 ab	194.91 ab	2011 a	588.81 a

Table S2 The Two-way ANOVA table for Height.

	Df	Sum Sq	Mean Sq	F-value	P-value
TRT	4	2642	660.4	19.71	<2.2e-16
Date	3	55944	18468	556.5	<2.2e-16
TRT: Date	12	1917	159.76	4.76	<2.2e-16
Residuals	121	4055	33.51	-	-

Table S3 The Two-way ANOVA table for SPAD.

	Df	Sum Sq	Mean Sq	F-value	P-value
TRT	4	118.5	29.61	5.744	0.0002
Date	5	4586	917.1	177.9	<2.2e-16
TRT: Date	20	483.7	24.18	4.691	<2.2e-16
Residuals	180	928	5.5155	-	-

Table S4 The Two-way ANOVA table for LAI.

	Df	Sum Sq	Mean Sq	F-value	P-value
TRT	4	5.67	1.418	13.33	<2.2e-16
Date	2	171.9	85.93	808	<2.2e-16
TRT: Date	8	6.138	0.7673	7.215	0.0002
Residuals	18	1.914	0.1063	-	-

Table S5 The Two-way ANOVA table for SLA.

	Df	Sum Sq	Mean Sq	F-value	P-value
TRT	4	8061	2015	4.524	0.0085
Date	1	10690	10690	24	<2.2e-16
TRT: Date	3	244.1	81.36	0.1827	0.907
Residuals	21	9355	445.5	-	-

Table S6 One-way ANOVA for number of pods.

	<b>Df</b>	<b>Sum Sq</b>	<b>Mean Sq</b>	<b>F-value</b>	<b>P-value</b>
<b>TRT</b>	4	479025	119756	2.307	0.1577
<b>Residuals</b>	7	363436	51919	-	-

Table S7 Summary of the standard deviation and standard error of pods number measured per each treatment. N= number of samplings per area

<b>SD</b>	<b>TRT</b>	<b>N</b>	<b>Pods number per m2</b>	<b>sd</b>	<b>se</b>
<b>0</b>	FL	4	2461	301.01	150.50
<b>9</b>	AV3	2	2177	6.72	4.75
<b>16</b>	AV2	2	2379	193.70	136.96
<b>18</b>	AV4	2	2011	168.79	119.35
<b>27</b>	AV1	2	1983	159.82	113.01

Table S8 Summary of the standard deviation and standard error of grain yield measured per each treatment. N= number of samplings per area

<b>SD</b>	<b>TRT</b>	<b>N</b>	<b>Grain yield g m<sup>-2</sup></b>	<b>sd</b>	<b>se</b>
<b>0</b>	FL	4	667	94.60	47.30
<b>9</b>	AV3	2	636	46.29	32.73
<b>16</b>	AV2	2	697	56.62	40.04
<b>18</b>	AV4	2	588	19.09	13.50
<b>27</b>	AV1	2	614	63.17	44.67

Table S9 One-way ANOVA for grain yield.

	<b>Df</b>	<b>Sum Sq</b>	<b>Mean Sq</b>	<b>F-value</b>	<b>P-value</b>
<b>TRT</b>	4	15822	3955	0.7574	0.5843
<b>Residuals</b>	7	36556	5222	-	-