

Table S1. Scheme of field experiment in split-split-plot design.

Replication 1

Irrigation no						Irrigation yes					
0 kg N·ha ⁻¹		20 kg N·ha ⁻¹		40 kg N·ha ⁻¹		40 kg N·ha ⁻¹		0 kg N·ha ⁻¹		20 kg N·ha ⁻¹	
B – no	B – yes	B – yes	B – no	B – no	B – yes	B – yes	B – no	B – no	B – yes	B – yes	B – no

Replication 2

Irrigation yes						Irrigation no					
20 kg N·ha ⁻¹		0 kg N·ha ⁻¹		40 kg N·ha ⁻¹		0 kg N·ha ⁻¹		20 kg N·ha ⁻¹		40 kg N·ha ⁻¹	
B – yes	B – no	B – no	B – yes	B – yes	B – no	B – no	B – yes	B – yes	B – no	B – yes	B – no

Replication 3

Irrigation no						Irrigation yes					
40 kg N·ha ⁻¹		20 kg N·ha ⁻¹		0 kg N·ha ⁻¹		20 kg N·ha ⁻¹		40 kg N·ha ⁻¹		0 kg N·ha ⁻¹	
B – no	B – yes	B – yes	B – no	B – yes	B – no	B – no	B – yes	B – no	B – yes	B – no	B – yes

Explanation:

First factor's levels (irrigation) – 1. irrigation no and 2. irrigation yes.

Second factor's levels (mineral nitrogen fertilization) – 1. 0 kg N·ha⁻¹, 2. 20 kg N·ha⁻¹, 3. 40 kg N·ha⁻¹.

Third factor's levels (use of amino acid biostimulant (B)) – 1. Biostimulant no (B – no), 2. Biostimulant yes (B – yes).