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**Response of durum wheat to different levels of zinc and *Fusarium pseudograminearum***

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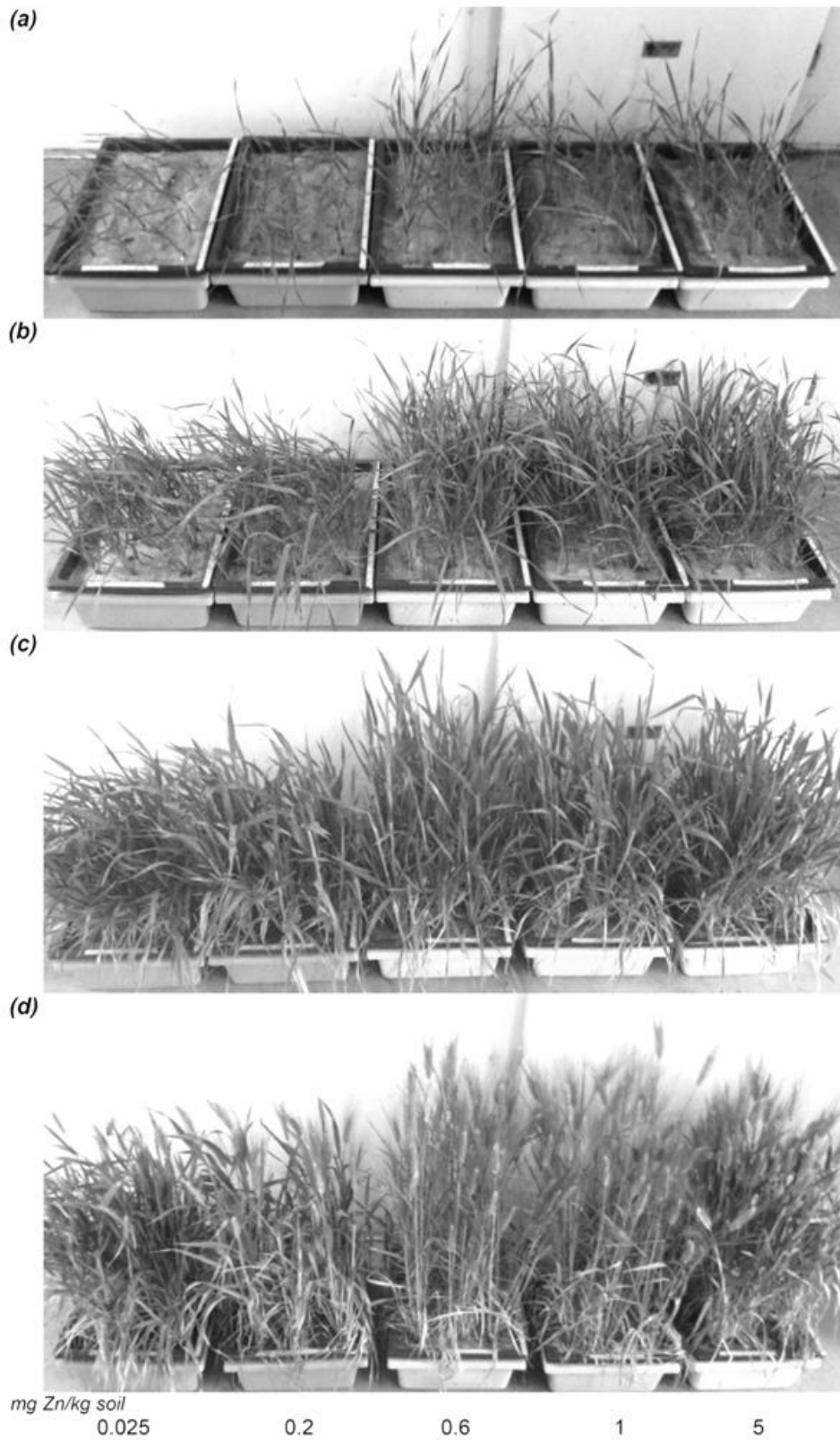
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**Supplementary Table 1.** Effect of different concentrations of Zn (0.025, 0.5 or 1 mg Zn/kg soil) and *F. pseudograminearum* on Zn content and Zn deficiency symptoms in durum. Durum was inoculated by adding ground durum stubble naturally infected with *F. pseudograminearum* (10 g/L soil) before sowing. Zn concentration was measured in the youngest fully emerged leaf at 64 d after emergence using ICP-AES. Zinc deficiency symptoms (at 64 d after emergence) were rated using a scale from 1 to 9 where 1=healthy plant and 9=dead growing points. Means are shown for n = 15 for inoculated treatments and n=6 for the controls. Significant differences between the means ( $P<0.05$ ) was determined using linear mixed models and pair-wise comparison. There was only a significant difference between Zn treatments as indicated by different superscripts. UAD#= UAD1153303.

Variety	<i>Fusarium</i> treatment	Zn content			Zn deficiency symptoms		
		Zn treatment (mg/kg)			Zn treatment (mg/kg)		
		0.025	0.5	1	0.025	0.5	1
Hyperno	Control	10.07 <sup>a</sup>	27.67 <sup>b</sup>	30.26 <sup>b</sup>	8 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>
	Inoculated	8.59 <sup>a</sup>	26.33 <sup>b</sup>	31.09 <sup>b</sup>	7.9 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>
Tjilkuri	Control	8.19 <sup>a</sup>	23.49 <sup>b</sup>	29.79 <sup>b</sup>	8 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>
	Inoculated	7.58 <sup>a</sup>	30.11 <sup>b</sup>	35.71 <sup>b</sup>	8 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>
UAD#	Control	10.31 <sup>a</sup>	26.79 <sup>b</sup>	33.97 <sup>b</sup>	7.2 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>
	Inoculated	8.44 <sup>a</sup>	29.47 <sup>b</sup>	34.03 <sup>b</sup>	7.9 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>
WID802	Control	9.33 <sup>a</sup>	21.91 <sup>b</sup>	26.2 <sup>b</sup>	6.8 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>
	Inoculated	7.19 <sup>a</sup>	29.29 <sup>b</sup>	29.53 <sup>b</sup>	7.6 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>
Yawa	Control	8.39 <sup>a</sup>	25.77 <sup>b</sup>	28.06 <sup>b</sup>	8 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>
	Inoculated	7.15 <sup>a</sup>	31.52 <sup>b</sup>	33.42 <sup>b</sup>	8 <sup>b</sup>	1 <sup>a</sup>	1 <sup>a</sup>

**Supplementary Figure 1.** Effect of different concentrations of Zn (0.025, 0.2, 0.6, 1 or 5 mg Zn/kg soil) on plant growth at 27 d (a), 42 d (b), 64 d (c) and 81d (d) in durum. Images are representative.



**Supplementary Figure 2.** The relationship between shoot dry weight (per plant) and Zn concentration in durum, regardless of Zn treatment (0.025, 0.2, 0.6, 1 or 5 mg Zn/kg soil). The fitted curves were used to determine the Zn critical concentration (90% of maximum shoot DW) for each variety as 21.7 mg/kg in Yawa, 22.7 mg/kg in Hyperno, 24.1 mg/kg in Tjilkuri, 24.8 mg/kg in WID802 and 28.7 mg/kg in UAD1153303. ■UAD1153303, ▲Hyperno, ◆WID802, ●Yawa, ▼Tjilkuri. n=9.

