

Response of Sunflower Hybrid APSH 66 to Sulphur and Borax Under Varying Environments in Semi Arid Conditions

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ABSTRACT

A field experiment to study the response of sunflower hybrid APSH 66 to sulphur and borax was conducted on red chalka soils of Seed Research and Technology Centre, Rajendranagar, Hyderabad during 2010-11, 2012-13 and 2013-14. The soil had 161.8 kg N, 32.4 kg P₂O₅ and 267.1 kg K₂O in available forms. Sulphur and Borax were tested in nine treatments to study their influence on seed yield by also taking into account the weather variables simultaneously. The results revealed that soil application of sulphur @ 10 kg ha⁻¹ and borax @ 1 kg ha⁻¹ significantly increased the sunflower yield by 14.5% and 11.64%, respectively over control. Interestingly, rise in average night temperatures by 1.1 degrees centigrade during reproductive phase favored ultimate sunflower seed yield.

Key words: *Borax, Seded yield, Sunflower, Sulphur, Weather.*