



## Effect of Timing and Rate of Zinc on Wheat Yield

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**Abstract :** The effects of Zn on growth and yield components of wheat were studied in old land (Delta). Three Zn treatments were given to wheat along with other essential nutrients. Two A completely randomized block design was used in the field experiment were carried out to investigate the effect of three Zn concentration (control (0), 5 and 10 gm Zn/l., as ZnSO<sub>4</sub>·7H<sub>2</sub>O) on wheat cultivar (Sakha 93). Dry matter of wheat increased by increasing rates of Zn above the optimum rate, the higher rates of Zn application decreased the dry weight of crop plants from the control had lower Zn concentrations. The data also revealed that Zn concentration in the second growth stage was lower compared to the first growth stage and the uptake of Zn by the plants was higher as dry matter yield was higher for second growth stage. Results showed that foliar Zn fertilization had significantly improved Zn level in grain.

**Keywords :** zinc, rates, timing, growth, yield and components, wheat.

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