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Effect of micronutrients (Fe and Zn) on growth of chrysanthemum (*Chrysanthemum morifolium* Ramat.)

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ABSTRACT : The present experiment was conducted on effect of micronutrients (Fe and Zn) on growth, flowering, flower yield and quality of chrysanthemum (*Chrysanthemum morifolium* Ramat.) cv. IIHR – 6". Growth was influenced by different levels of ferrous sulphate. The maximum plant height at 60 DAT (56.11 cm) and 90 DAT (72.33 cm), plant spread in N-S (30.67 cm) and E-W (22.67 cm) direction at flower bud initiation stage and in N-S (38.78 cm) and E-W (31.56 cm) direction at full bloom stage, number of primary branches (4.19) and secondary branches (24.89) at full bloom stage, leaf area (37.11 cm²), number of suckers per plant (20.33), fresh weight (306.67 g) and dry weight (35.44 g) of plant were obtained at FeSO₄ @ 0.8 per cent (F₄). In case of different levels of ZnSO₄, the maximum plant height at 60 DAT (53.67 cm) and 90 DAT (70.33 cm), plant spread in N-S (29.75 cm) and E-W (21.83 cm) direction at flower bud initiation stage and in N-S (37.58 cm) and E-W (30.75 cm) direction at full bloom stage, number of primary branches (4.13) and secondary branches (23.00) at full bloom stage, leaf area (35.33 cm²), number of suckers per plant (18.33), fresh weight (297.50 g) and dry weight (33.00 g) of plant were obtained at ZnSO₄ @ 0.5 per cent (Z₃).

KEY WORDS : Micronutrients, Ferrous sulphate, Zinc sulphate, Foliar application, Chrysanthemum

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