EFFECT OF FOLIAR FERTILIZERS ON YIELD AND QUALITY OF WHEAT CROP

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ABSTRACT

A field experiment was carried out to see the effect of different foliar fertilizers on some agronomic parameters, yield, NPK and protein content of Bazostaya wheat variety grown under Tokat ecological conditions. Foliar fertilizers used were: (Campofort special B, Campofort special Zn, Campofort plus, Campofort Forte, Campofort Special Mn, Campofort Gwant K, Tokat[1], Tokat[2] and Tokat[3]). Foliar fertilizers used had significantly affected the agronomic parameters like number of kernels, and weight of 1000 grains but had no significant effect on other agronomic parameters. Campofort Special B, gave the maximum number of kernels (17.0) as compared to control (15.7) whereas a maximum of 46.6 gram/1000 grain was obtained with Campofort plus compared to control (44.8 gram). A maximum straw + grain yield of 16930 kg ha^{-1} was obtained with Takat-2 whereas a maximum grain yield of 3657 kg ha-1 was obtained with Campofort plus when compared to 9210 kg and 1360 kg of their control treatments, respectively. Generally, all the foliar fertilizers increased the N and protein content of grain as compared to control. However, P and K contents of grain were decreased with foliar fertilizers.