

عنوان مقاله:

Study the effects of iron nano chelated fertilizers foliar application on yield and yield components of new line of wheat cold region of kermanshah province

محل انتشار:

ماهنامه پیشرفت های کشاورزی، دوره 3، شماره 4 (سال: 1393)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

In order to study the effects of iron nano chelated fertilizers foliar application on yield and yield components of new line of wheat cold region of Kermanshah province this study was conducted for one year (2012) in the cold climate of Kermanshah. Experiment was conducted as a split plot in a randomized complete block design with three replications. Factors studied were at three levels of foliar (a1= Tillering, a2= heading, a3= no spray (control)) and the figure of six was (b1= C-87-11, b2= C-87-12, b3= C-87-13, b4= Mihan, b5= Zare and b6= Urom), respectively. Spraying time as the main factor in the main plots and cultivars as sub plots were placed in the subplots. In this study plant height, spike number, 1000 grain weight, grain number per spike, biological yield, grain yield and harvest index of wheat were evaluated. Results showed that effect of iron nano chelate foliar application, wheat cultivars and interaction of them had significant effects on Plant height, spike number, 1000 grain weight, Grain number per spike, biological yield, grain yield and harvest index ($p \leq 0.01$ and $p \leq 0.05$). The highest grain yield, biological yield and harvest index of treatment a1b5 (sprayed at tillering varieties, and still) are respectively the mean 4668/6 kg.ha-1, 9769/3 kg.ha-1 and 65/53% and the lowest it belonged to a3b3 (control (no spray) and line C-87-11), respectively, with the mean 2983/6 kg.ha-1, 8723 kg.ha-1 and 39/66 percent. According to the results of the best and most suitable time for crop spraying chelated iron was still detected. In climatic conditions of Kermanshah during the crop tillering and the best varieties for obtaining maximum yield was determined the figure of urom

کلمات کلیدی:

Wheat Iron nano chelate sprayed Still figure Kermanshah

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