Abstract

In order to evaluate the effect of humic acid on the yield of saffron flowers under the influence of summer shrimp on a field with 4-year-old saffron plants in a commercial agricultural field located in Qain city during 1396-97. The experiment was conducted as split plot based on randomized complete block design with three replications. Four treatments of summer mulch including: no mulch (control), animal manure, plastic and mulching as main factor.And levels of humic acid include: humic acid to the recommended level, humic acid below the recommended amount, acidic higher than the recommended amount, and no use of humic acid toSubtitle title includedAnd after preparing the plots 2.5 cm by 2.5 m the surface of each plot was covered with designated mats. The results showed that using summer mulch improves flowering speed of saffron and total leaf weight, chlorophyll a, The bosons were without scales. Also the interaction of clay and acidiomic on chlorophyllb, Flower fresh weight, girl corm weight, female corm number, and number of flower buds in corm were significant. In general, most of the saffron flowers were obtained from the use of more than the recommended amount of fertilizer and acidic coating.The leaves of five related plants were harvested separately, dried and weighed. The results showed that in general, feeding of saffron with humic acid and kiwifruit had a significant effect on the growth and yield of saffron flowers and stems. Treatments with higher corm weight in these clones significantlyincreasedsaffronfloweryield.

Key words: Girl corm, plastic, thistle, leaf chlorophyll, stigma

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