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## Annals of Biological Research

### Abstract

[Effect of salicylhydroxamic acid \(SHAM\) on yield and yield](#)

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## [components of safflower \(Carthamustinctirius L.\)](#)

**Author(s):** Bagher Gharobi, Maziar Ghandian Zanjan, DavoodEradatmand Asli and Mohammad javad Jafari

The test methods used to evaluate the effect of salicylhydroxamic acid (SHAM) on yield and yield components of safflower scientific name (Carthamustinctirius L.) in crop year 1391-1390 was conducted in the field of Islamic Azad University. Factorial experiment in a randomized complete block design with three replications. SHAM chemical methods of seed priming (seed preparation before planting) and sprayed (at flowering stage) were treated on Safflower. The results showed that pre-treatment effects on all components of safflower seeds with SHAM were significant at the one percent level. The results showed that the effect of foliar application of SHAM on the method of seed priming , head diameter and seed oil content was significant at the one percent level However, its effect on seed weight, The number of plant and biological yield was significant at the five percent level. The results showed positive effects of salicylhydroxamic acid application on yield of grain per tray, diameter and number of heads per plant, average of twenty percent.

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