



Effect of spraying or ground drench from humic acid on growth, total output and fruits nutritional values of cucumber (*Cucumis sativus* L.) grown under plastic house conditions.

Shafeek, M.R.; Y.I. Helmy and Nadia M. Omar

Vegetable Res. Dept., National Research Centre, Dokki, Giza, Egypt.

Abstract : This research was infectious to locate the impact of spraying or ground drench of humic acid of cucumber growth, yield and fruit nutritional values ripe under soil situation in a plastic house. Various levels of humic acid at (3, 6 and 9L/fed.) were utilized of cucumber plants over every spraying sprinkle or soil drench in the root region. Spraying or ground drench of humic acid enforcement drove to safely great plant growth parameters, total yield than the control. Either soil drench or spraying of humic acid treatments significantly increased number of flours and fruits. Humic acid handling had no considerable influence on fruit tallness and wide. Moreover, humic acid implementation significantly influenced N%, Protein % and TSS% content. The study displayed that increasing the level of humic acid increased cucumber growth, fruit yield and quality with soil drench or spraying humic acid application.

Key words: Cucumber, soil drench or foliar application, humic acid, growth, yield, fruit quality.

Shafeek, M.R. *et al* /International Journal of PharmTech Research, 2016,9(12): 52-57.
