

INFLUENCE OF EMINA UNDER DIFFERENT NITROGEN APPLICATION RATES ON GROWTH, YIELD, QUALITY AND NITRATE RESIDUE IN SOME EATING RAW VEGETABLES CULTIVATED IN YEN PHONG DISTRICT, BAC NINH PROVINCE

**Dang Tran Trung, Hoang Hai Ha,
Tran Anh Tuan, Nguyen Quang Thach**

Summary

Effects of product EMINA on growth, yield, nutritive content and nitrate residue in lettuce (*Lactuca sativa*), scallions (*Allium sativum*), culantro (*Eryngium foetidum*) and coriander (*Coriandrum sativum*) cultivated in Yen Phong, Bac Ninh was studied. Results showed that increasing the amount of N fertilizer from 0 kg/ha to 40 kg/ha, the yield and nitrate content of vegetables also increased. The highest yield of lettuce and scallions were obtained at the rate of 40 kg N/ha, while the culantro and coriander were 30 kg N/ha. Accumulation of NO_3^- in vegetables were different at different fertilized N levels: lettuce at 40 kg N/ha was not exceeded, while culantro, coriander and coriander were exceeded at above 40 kg N/ha, 30 kg N/ha. and 20 kg N/ha respectively. According to the obtained result, the yield of studied vegetables were not increased when applying the combination N fertilizer and EMINA, but the content of nitrate accumulated in vegetatbles was reduced.

Keywords: *Safe vegetables production, Bac Ninh vegetables, eating-raw vegetables, MINA, nitrate contents.*