

NITROGÉN FEJTRÁGYÁZÁS HATÁSA A FEJES KÁPOSZTA TERMÉSMENNYISÉGÉRE ÉS -MINŐSÉGÉRE

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ABSTRACT – Effect of nitrogen top dressing on white cabbage yield and quality

In our experiment, built on an experiment on the application of spent mushroom compost (30 and 60 t/ha) as organic fertilizer, we carried out investigations to see whether any yield increasing effect occurred on humus-rich sandy soil in the case of white cabbage plants showing signs of N deficiency in response to treating the crop with N fertilizer (50 kg/ha N) after the beginning of head formation, at approximately 6 cm head diameter. According to our results, the top dressing produced favourable results concerning fresh weigh, head weight, head diameter and head height. The most prominent change was detected in weight parameters (total weight increased by 17.5-18.5% and head weight by 13.8-19.8%). Changes in dry matter content and in net head percent (head weight/total weight) were not so obvious. The top dressing in itself (without starter fertilization) and all the mushroom compost+top dressing treatments were unable to produce superior results compared to those of the fertilized control treatment under the conditions of the experiment.

Keywords: cabbage, top dressing, nitrogen, yield, crop quality