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## Organic Production of the Pepper by Using of Cow Manure and Retort Beach Charcoal

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### SUMMARY

The objective of this study was to

- research the charcoal application in
- vegetable farming under organic
- conditions. The experiment was
- established in the greenhouse designed
- by random block system with pepper
- genotype Amanda, in treatment with cow
- manure and retort beech charcoal and
- control with cow manure without retort
- beech charcoal. The experiment was set
- up at Trmare locality, Kruševac
- municipality in a greenhouse according to
- a random block system in 2 replicates,
- planting 25 plants treated with cow
- manure and retort beech charcoal and 25
- plants treated only with cow manure as a
- control. Pepper were grown on a single
- tree. The aim was to determine the
- influence of the applied material on the
- number of fruits per plant and the weight
- of the fruit directly affecting the yield in the
- organic growing system. The parameter
- that is followed is pepper yield under
- temperate climatic conditions. The
- following parameters were monitored in
- the experiment: fruit yield per plant and

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- , 27.35%  
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number of fruits per plant. In the treatment with retort beech charcoal, the Amanda genotype had an average yield 27,35% higher than the control plants.

**Key words:** fruit, organic cultivation, retort beach charcoal, pepper, yield