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Effect of caraway, basil, and oregano extracts and their binary mixtures on fungi in growth medium and on shredded cabbage

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1 **Effect of caraway, basil, and oregano extracts and their binary mixtures on fungi in growth**
2 **medium and on shredded cabbage**

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14
15 **Abstract**

16 In this study the effect of individual and binary mixtures of caraway, oregano and basil extracts
17 on the growth of *Cladosporium cladosporioides*, *Aspergillus wentii*, *Eurotium herbariorum*,
18 *Penicillium aurantiogriseum* and *Fusarium verticillioides* isolated from food was investigated.
19 Caraway extract at a concentration of 0.70 mL/100 mL and basil extract at a concentration of 1.5
20 mL/100 mL were fungicidal (MFC) to *C. cladosporioides*, *A. wentii*, *E. herbariorum* and *F.*
21 *verticillioides*, and inhibitory (MIC) to *P. aurantiogriseum*. Oregano extract at a concentration of
22 2.5 mL/100 mL showed fungicidal effects (MFC) on the growth of *C. cladosporioides*, *A. wentii*,
23 *E. herbariorum* and *P. aurantiogriseum* and partially inhibited the growth of *F. verticillioides*.

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