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Management of cover crops of cold cereal, on total fresh weight, total dry weight weed, yield and yield components peppermint

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ABSTRACT

To study the effect of cover crop and how manage cover crop an experiment was conducted in Agricultural Research Center of University of Mohaghegh Ardabili , the experiment was factorial based on complete randomized block design with three replications. winter cover crops and spring cover crops as the main factor with six levels(winter wheat, spring wheat, winter barley , spring barley, winter rye, winter rye+ winter barley) and how manage cover crop with three levels (living mulch, heading mulch, mulch with herbicide) as a second factor. For comparison, two controls (without cover crop with weeding weeds and without cover crop without weeding weeds) was aside experiments. The results showed that main effect of type cover crop on the number of branches, leaf fresh weight, leaf dry weight of peppermint and also the total dry weight of weeds and at the first stage of sampling, Had a significant impact. The main effect of management was significant for all traits measured. However, the interaction of cover crop in how management cover crop were not significant. Winter wheat highest number of branches, leaf fresh weight, leaf dry weight of peppermint, relative to other levels of cover crops. In the first stage sampling is obtained by winter rye, the lowest total weed weight relative to other levels. Spring barley, winter rye the lowest total weed dry matter to create than other cover crop. All three methods to manage of cover crops the most affected by weeds dry weight compared to control. (no weeding and no cover crop weed)

Keyword:
Cover crop, mulch, cover crop management, weed, peppermint, Yield

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