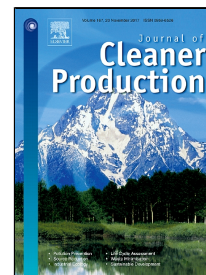


Accepted Manuscript

Evaluation of yield, essential oil content and compositions of peppermint (*Mentha piperita* L.) intercropped with faba bean (*Vicia faba* L.)

Mostafa Amani Machiani, Abdollah Javanmard, Mohammad Reza Morshedloo, Filippo Maggi



PII: S0959-6526(17)32355-7
DOI: 10.1016/j.jclepro.2017.10.062
Reference: JCLP 10854
To appear in: *Journal of Cleaner Production*
Received Date: 23 April 2017
Revised Date: 13 September 2017
Accepted Date: 07 October 2017

Please cite this article as: Mostafa Amani Machiani, Abdollah Javanmard, Mohammad Reza Morshedloo, Filippo Maggi, Evaluation of yield, essential oil content and compositions of peppermint (*Mentha piperita* L.) intercropped with faba bean (*Vicia faba* L.), *Journal of Cleaner Production* (2017), doi: 10.1016/j.jclepro.2017.10.062

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights:

- The highest peppermint biomass yield was obtained in peppermint monoculture and ratios of 66:34, 40:60, 60:40 and 75:25.
- Essential oil content and yield increased about 20% and 52% in the July harvest
- Peppermint/faba bean intercropping increased the menthol content
- Intercropping improved the quality of peppermint essential oil.

Download English Version:

<https://daneshyari.com/en/article/5479184>

Download Persian Version:

<https://daneshyari.com/article/5479184>

[Daneshyari.com](https://daneshyari.com)