Accepted Manuscript

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PII: S0959-6526(16)30823-X

DOI: 10.1016/j.jclepro.2016.06.136

Reference: JCLP 7507

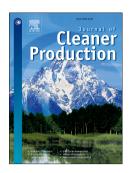
To appear in: Journal of Cleaner Production

Received Date: 9 December 2015

Revised Date: 15 May 2016 Accepted Date: 22 June 2016

Please cite this article as: Fantin V, Righi S, Rondini I, Masoni P, Environmental assessment of wheat and maize production in an Italian farmers' cooperative, *Journal of Cleaner Production* (2016), doi: 10.1016/j.iclepro.2016.06.136.

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ACCEPTED MANUSCRIPT

Words: 9500

Environmental assessment of wheat and maize production in an Italian farmers'

cooperative

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Keywords: Wheat, Maize, LCA, Fertilization, Crops, Pesticides, Field emissions

ABSTRACT

Standard ISO Life Cycle Assessment methodology was applied to the production of wheat and

maize in an Italian farmers' cooperative, with the aim to assess the potential environmental impacts

throughout the life cycle of these crops as well as to identify the hotspots in the production chains.

The functional units were 1 tonne of wheat and maize, respectively and system boundaries were

from cradle to cooperative's gate, including the agricultural production, the transport to the

cooperative, and the cleaning as well as storage phases. Specific primary data collected both at farm

and cooperative's premises, were used in the study. The results, according to ILCD impact

assessment methods, show that the major hotspot for both cereals in all impact categories is the

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