



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_10889
Title of the Manuscript:	Effect of Preceding Crops and Supplementary Irrigation on Yield and Yield Components of Two Varieties of Common Wheat (<i>Triticum aestivum</i> L.)
Type of the Article	research

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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	significant. If possible, the negative allelopathic effect of barley on wheat should be expanded, citing research from international authors. Tables 4, 5 and 6 were made considering that there was no interaction between factors and grouping the main effects, but that should be the result of statistical analysis, which was not clear from reading. It should be clarified that in Tables 8 and 9 are compared only varieties Is not well discussed Table 10 No conclusions are presented.	To supplement rainfall with irrigation, two irrigations were applied, the first one on April 16th, 2011, at wheat booting stage, plant depending on soil moisture depletion to approach the field capacity which was (29.4%). While the second irrigation was applied on May 5th, 2011 at anthesis stage. The amount of water required was determined according to (Chandrasekaran <i>et al.</i>,2010). $d = \frac{M_{fc1} - M_{bi}}{100} * A * D_i$ d = net irrigation water to be applied (cm). M_{fc1} = moisture contain percentage at field capacity in 30cm layer (29.4%)(Khalaf, 2010). M_{bi} = moisture contain percentage before irrigation in 30cm layer. Ai = Bulk density (1.43 Mg/m³) at 30cm layer. Di = depth (cm) of the soil layer. $Q = A * d$ Q = amount of water need to irrigate until field capacity (m³). A = plot area (5.6 m²). d = depth of supplement irrigation (m)
Optional/General comments		