# Effect of Crop Rotations on Soil Organic Matter in the Semiarid Prairies. (S03campbell143508-Poster)

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## Abstract:

Crop management influences soil C changes.Changes are slow and accurate measurements difficult to obtain.C models can assist us in determining rates of C change.In this study we assess the impact of crop rotations on soil C in the 0 - 15 cm depth on an Orthic Brown Chernozem in S.W. Sask., from 1990 to 1999,by comparing measurements made every 3 yrs to estimates from a model developed by Campbell and colleagues.Results suggest the model requires refinement to allow quantification of moisture and temperature on C mineralization.

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