



SHARING AGRICULTURAL SCIENCE, TECHNOLOGY
& DATA TO IMPROVE GREAT LAKES WATER QUALITY

A BI-NATIONAL WORKSHOP

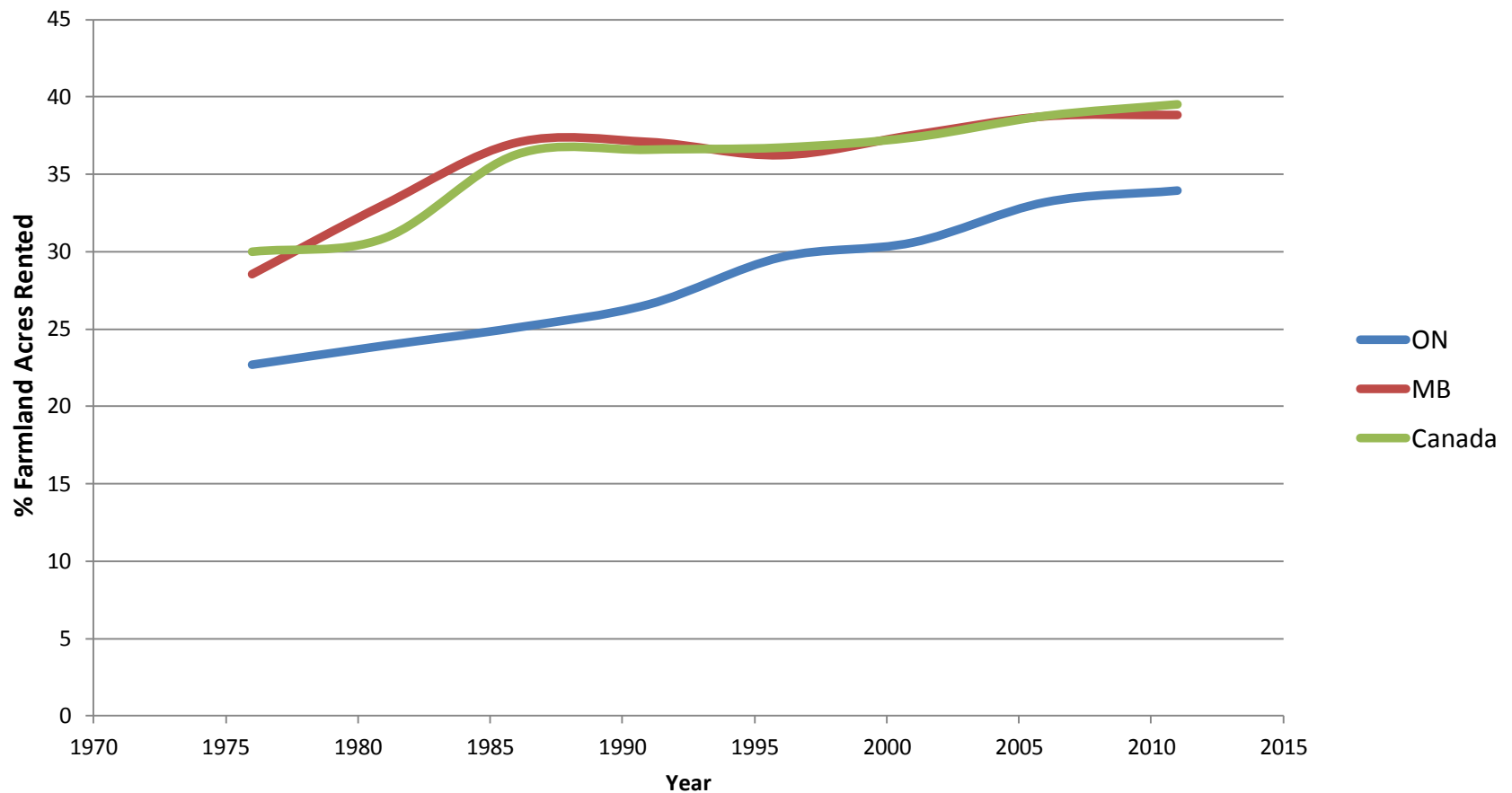
BMP Adoption: Owners & Renters

Presented by B. James Deaton (UG), Karthik Nadella (UG)

“The increasing separation between landowners and farm operators is one of the major stumbling blocks for policy makers when they try to design farm policy.” *Schmitz, et. al (2010, p.16)*

Contributing Researchers: Chad Lawley (University of Manitoba) & Alfons Weersink (UG)

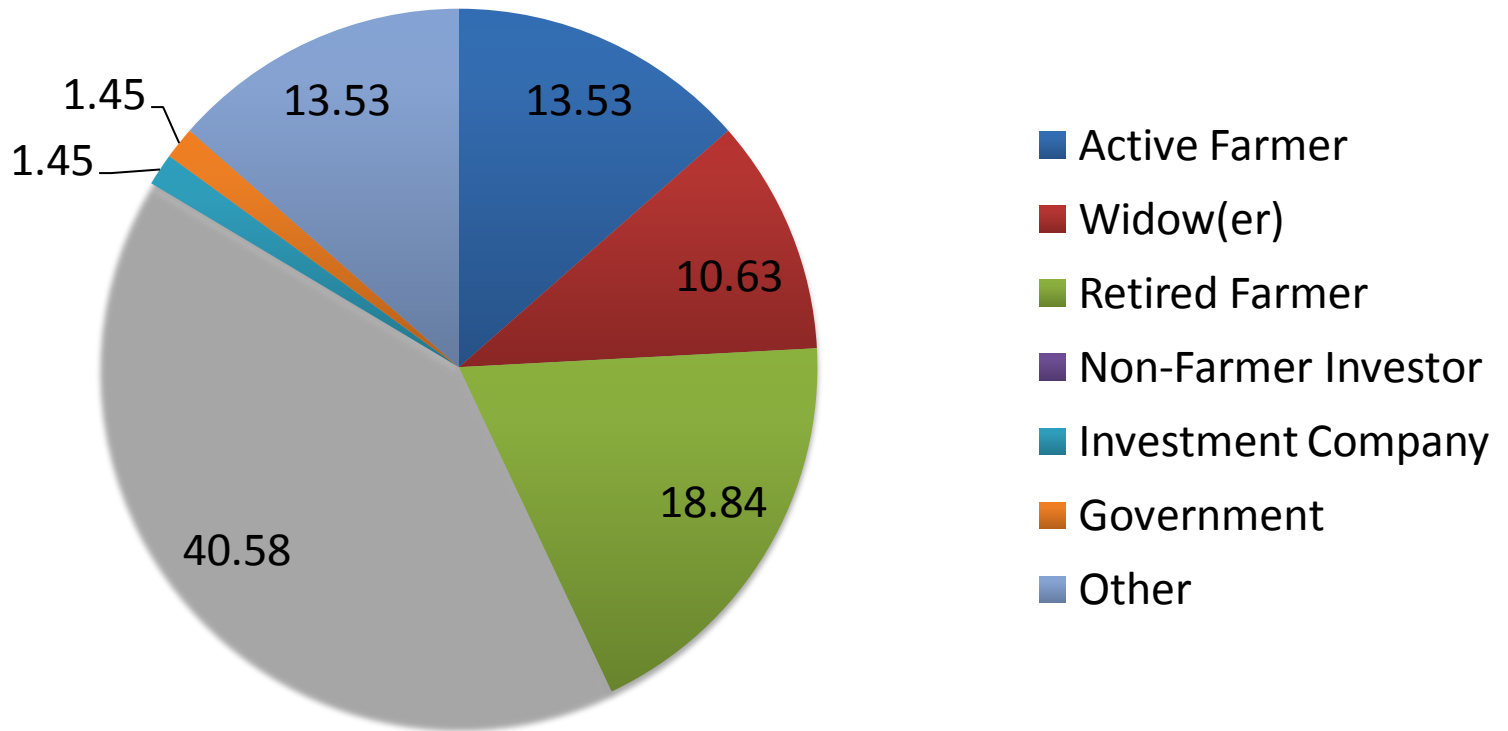
Farmland Rented in Canada



2013-06-14

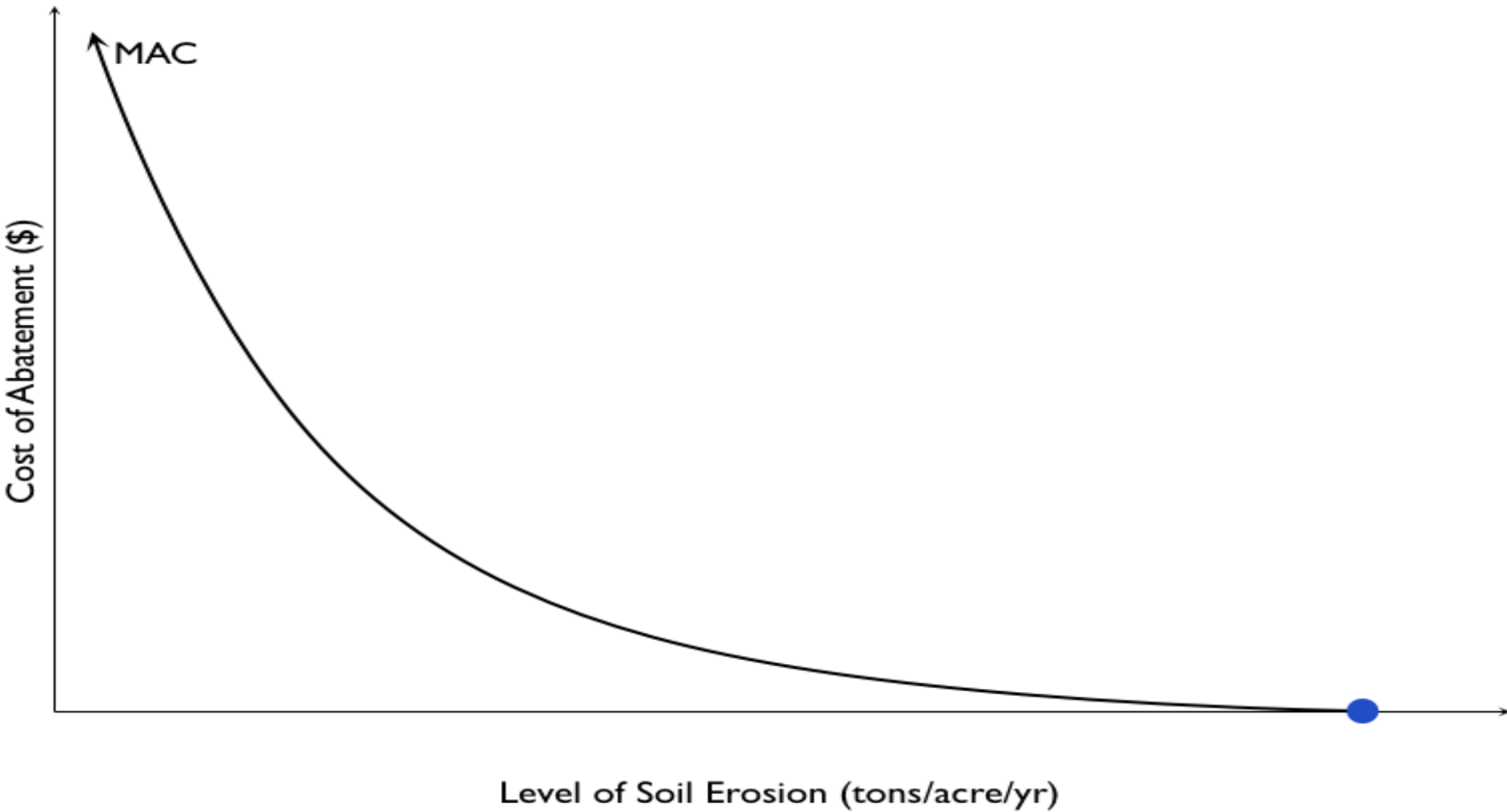
Source: Statistics Canada. <http://www.statcan.gc.ca/pub/95-632-x/2007000/t/4129750-eng.htm>

Who Owns Farmland in Ontario? % of Rental Land by Landlord Category

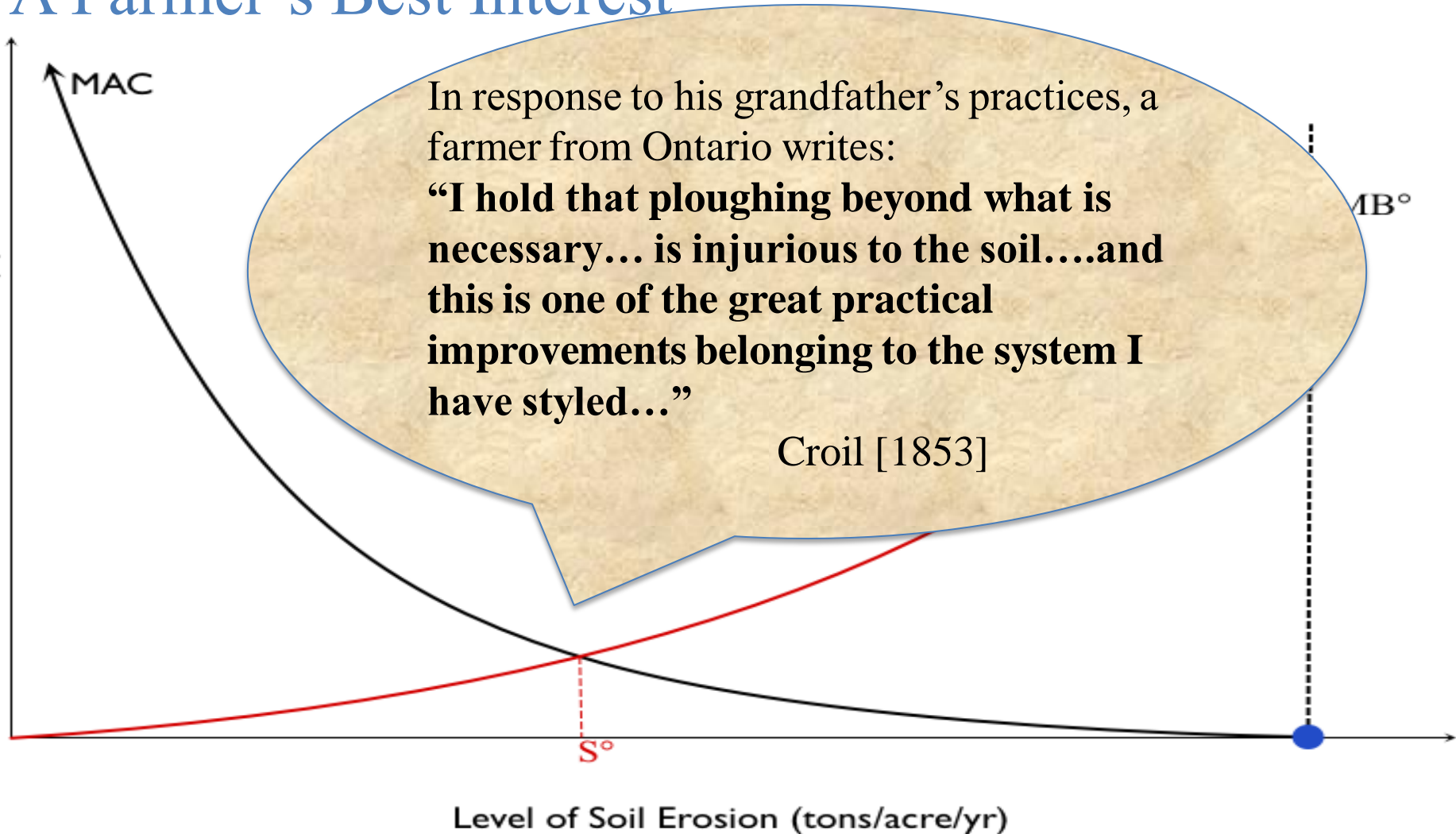




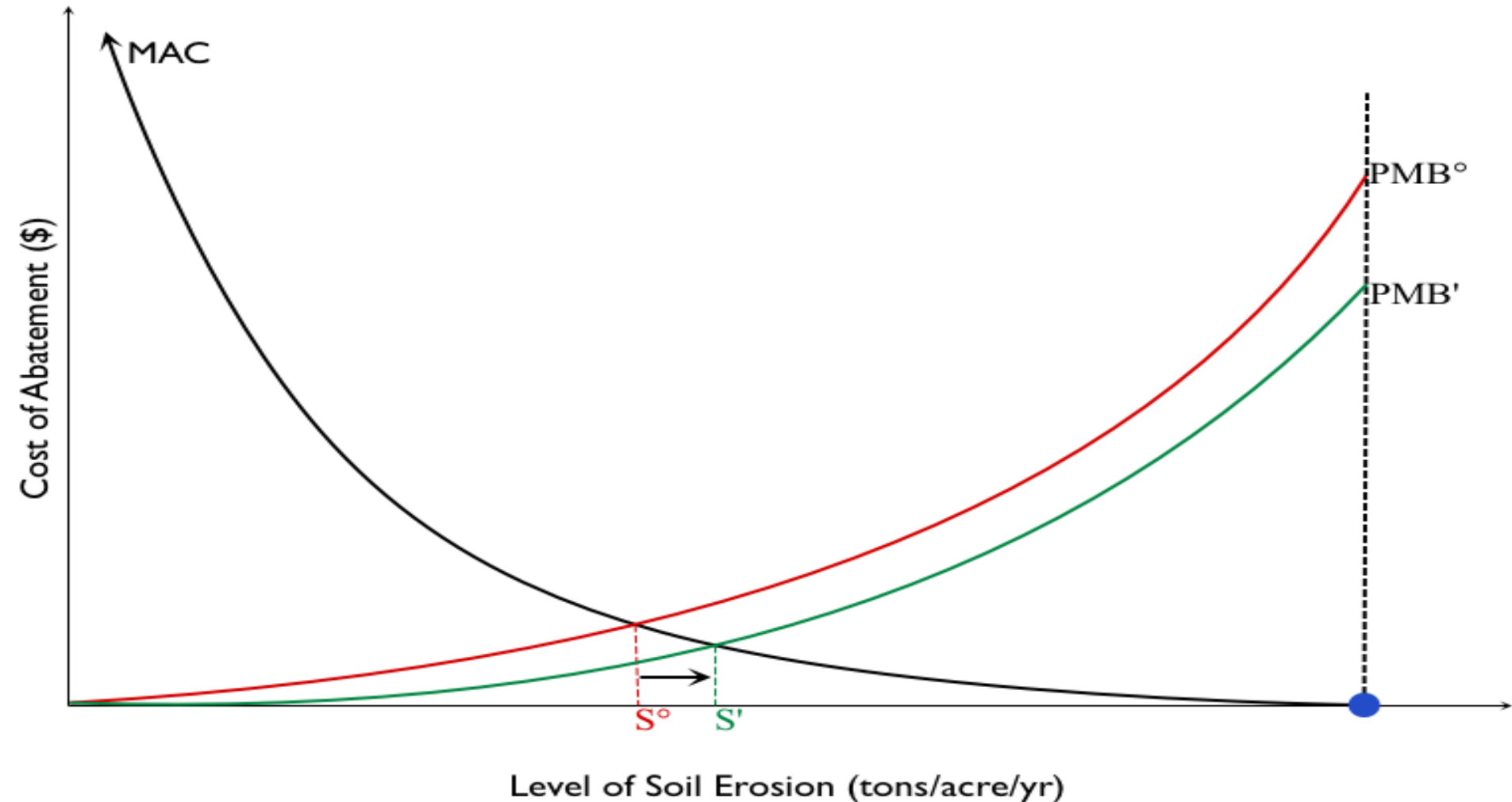
Soil Erosion & Abatement Costs



A Farmer's Best Interest

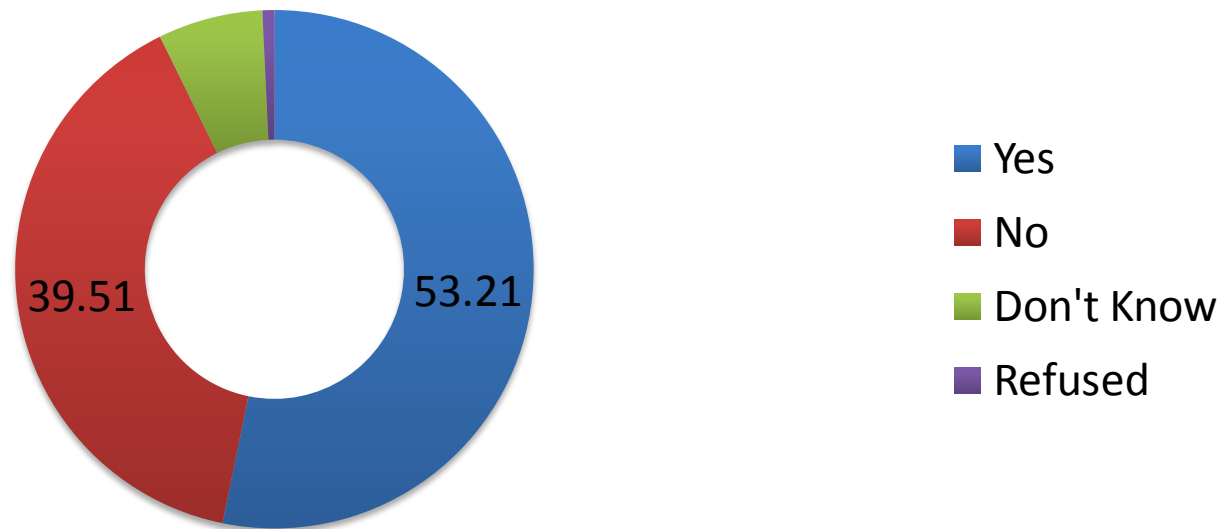


Renters Vs. Owners



Research Question

Would a farmer take better care of the land they own than the land that they rent?



- A survey of 810 farmers in Ontario and Manitoba

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Hypothesis

Timeline of Expected Benefits from BMP adoption

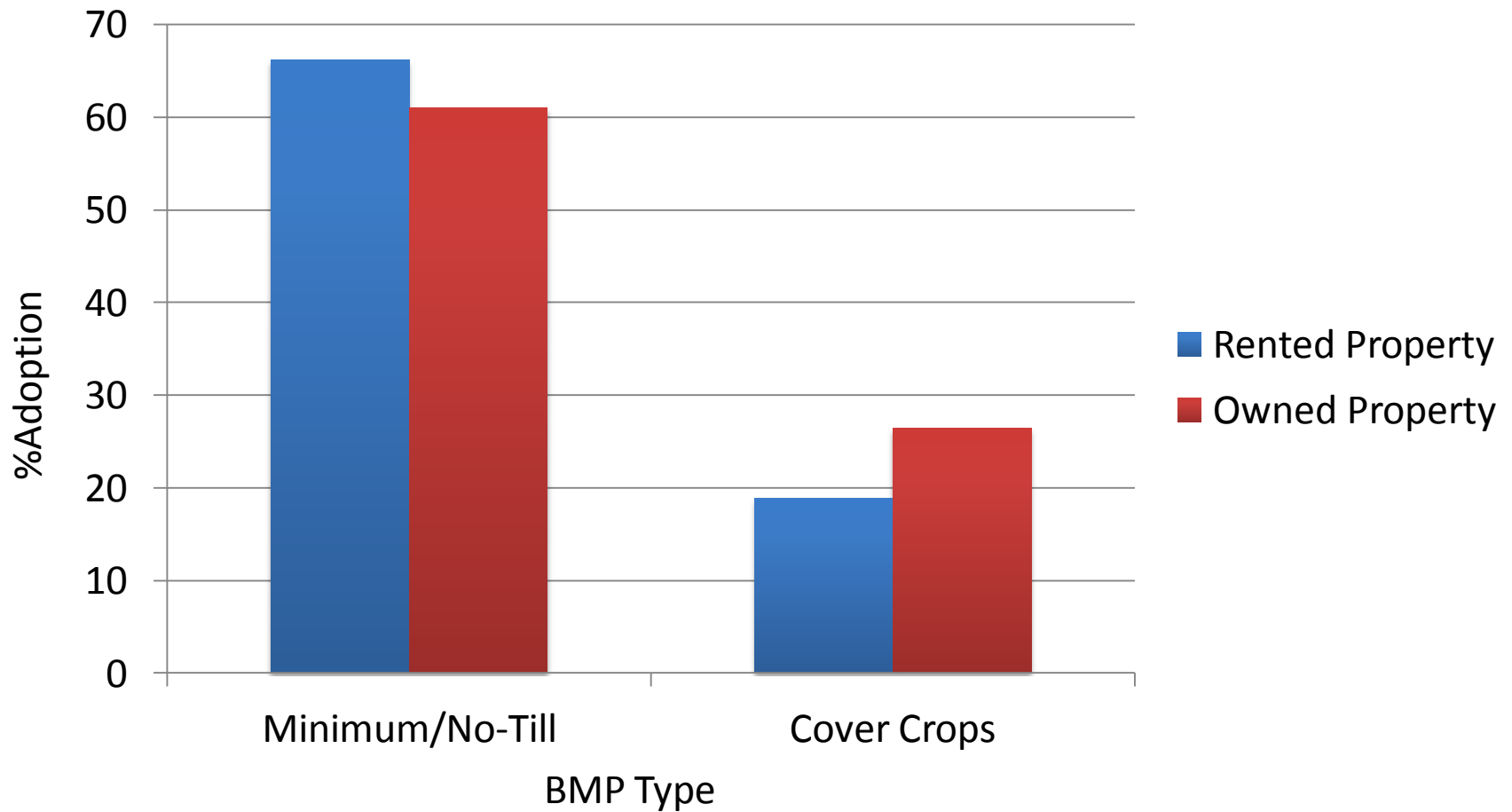


Cover Crops: Renter-Operators Less Likely to Adopt

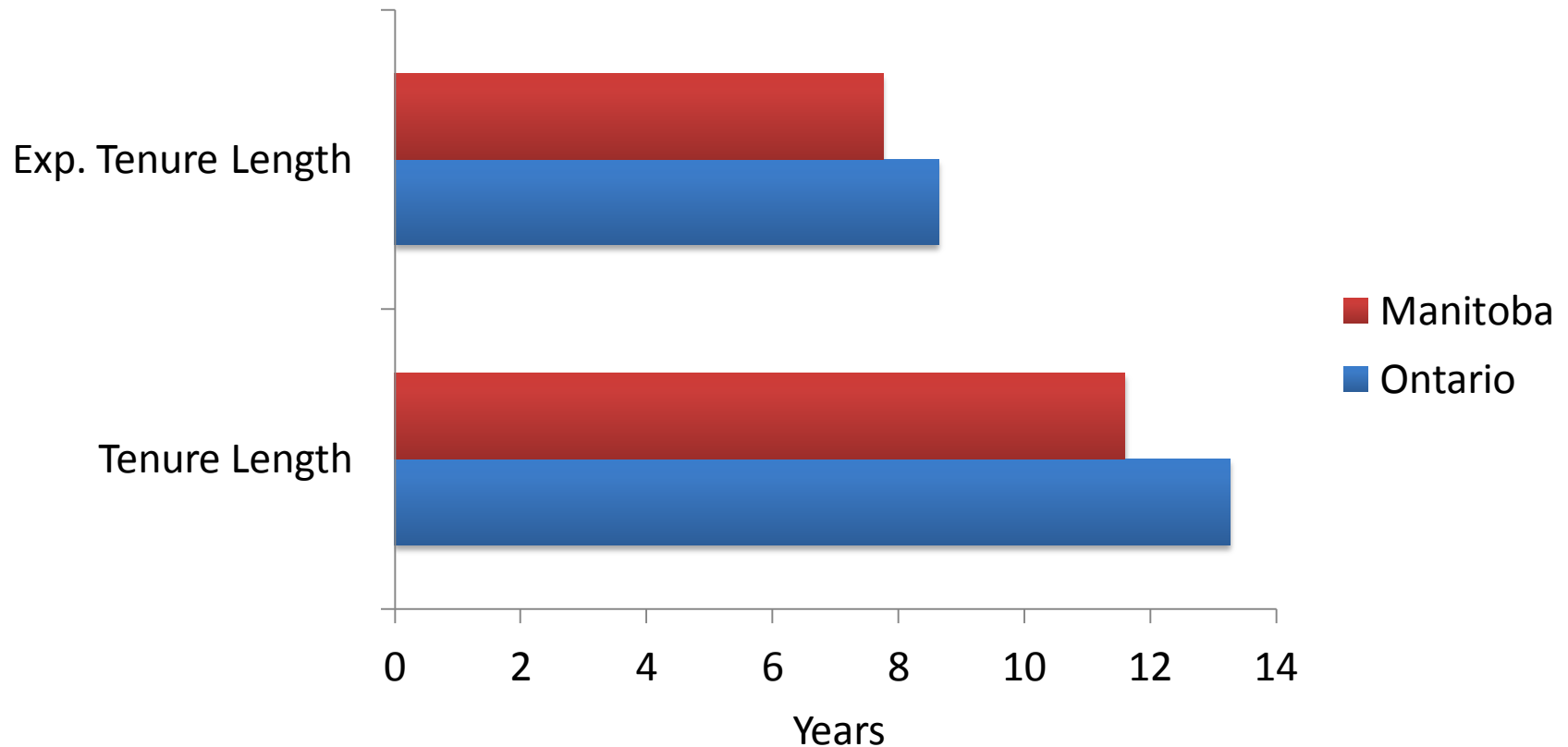
Conservation/No-Till

- Renter-Operators are less likely than Owner-operators to adopt BMP's that only yield benefits in the long run

BMP Adoption in Ontario



Tenure Security of Renter-Operators





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Previous Economic Research

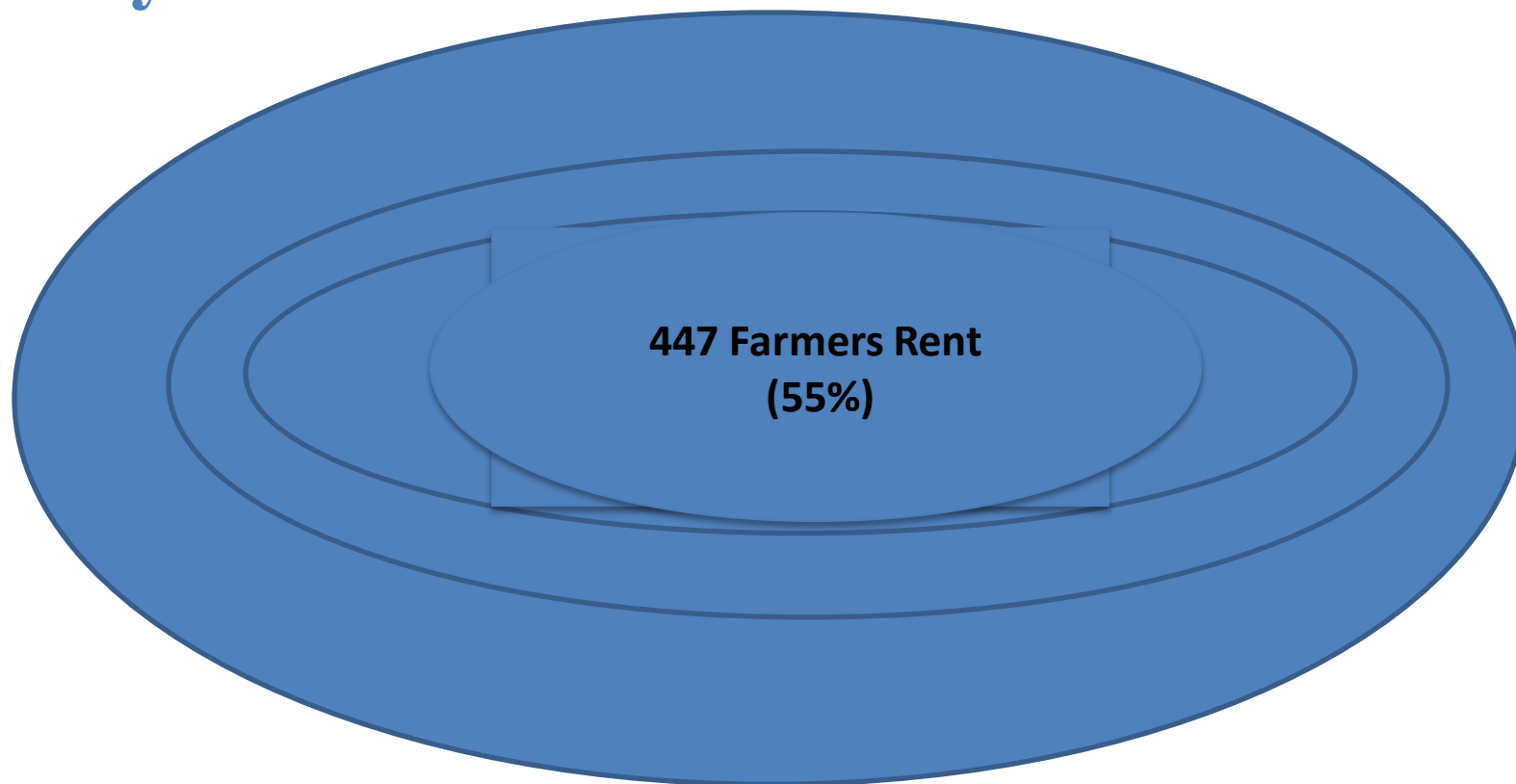
- Conflicting Results in Economic Literature
 1. Lynne et al., 1988
 2. Norris & Batie, 1987
 3. Soule et al., 2000

- Knowledge Gaps
 1. Tenure Security of Renter-Operators
 2. Role of Landlords
 3. Influence of Rental Contracts

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Survey Instrument



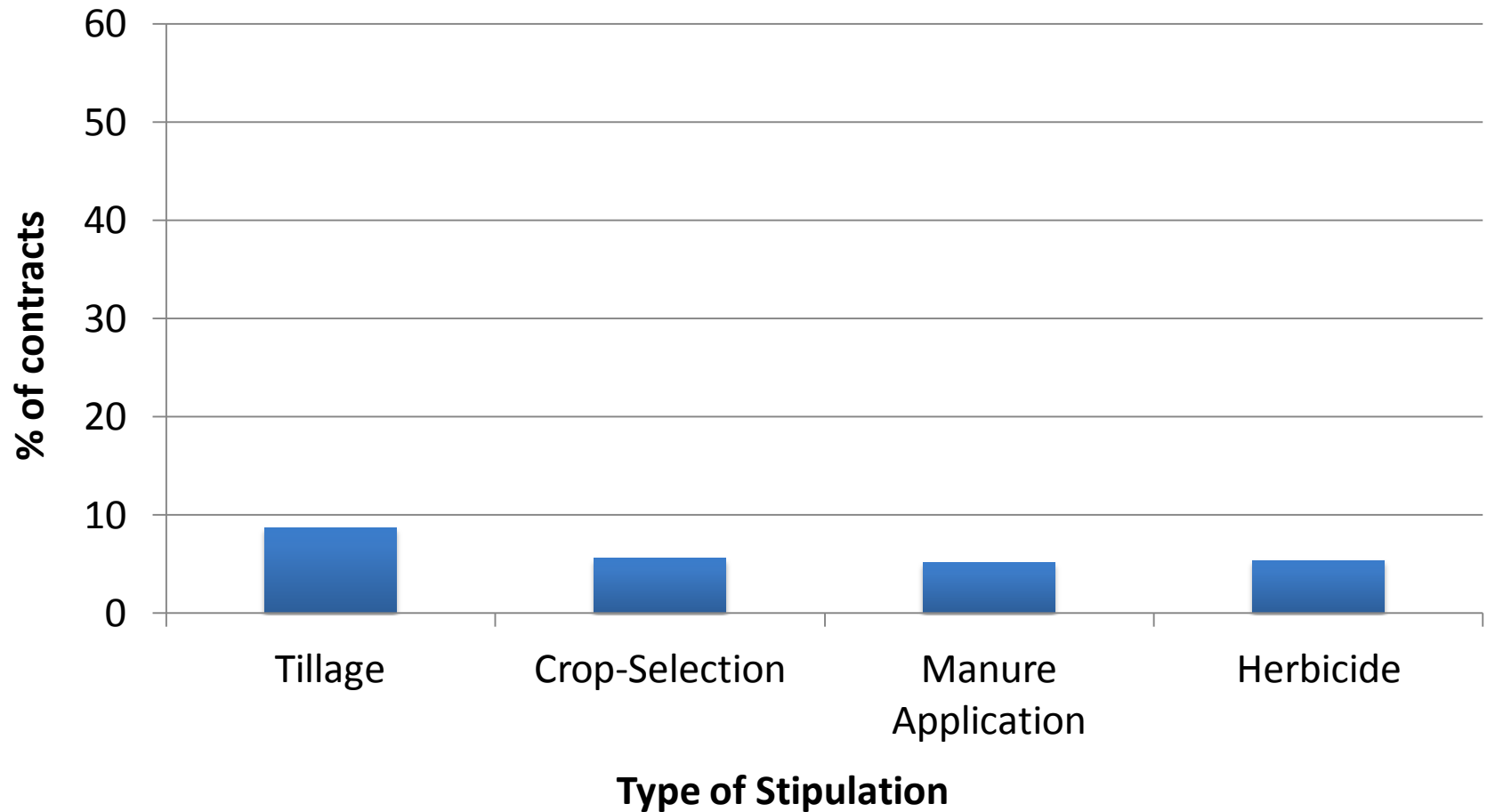
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Rental Contract Summary

Contract Type	Ontario (%)	Manitoba (%)
Cash Contract	79.61	89.79
Share – Contract	18.45	8.94
Oral Contract	72.82	52.08
Written Contract	26.21	46.67

Rental Contract Stipulations





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Implications of Research

- If renter-operators are found to be less likely than owner-operators to adopt certain conservation practices, there is a role for targeting renter-operators
- If renter-operators on non-farmer owned land are less likely to adopt conservation practices, there is a role for targeting non-farmer landowners