BACTERIAL LEAF STREAK TRANSMISSION DRIVEN BY SEED INFECTION AND IRRIGATION

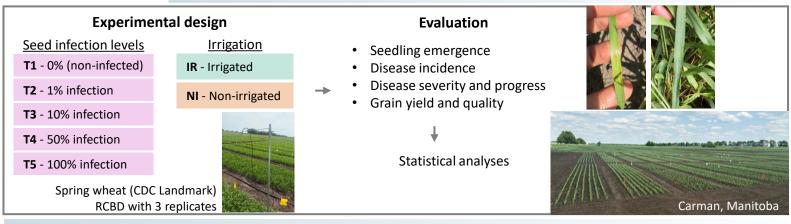
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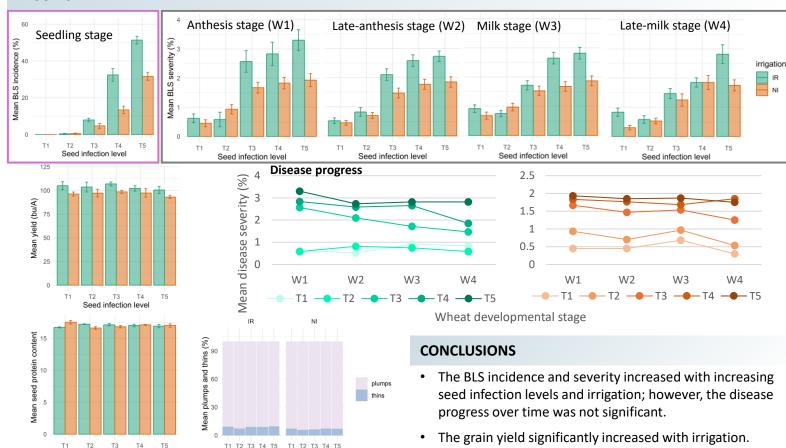
INTRODUCTION

Bacterial leaf streak (BLS) is an emerging threat to small grain cereal production in the Canadian prairies. In wheat, BLS is caused by Xanthomonas translucens pv. undulosa (Xtu). This study investigates the effect of seedborne Xtu transmission to a wheat crop with and without irrigation.

MATERIAL & METHODS



RESULTS



ACKNOWLEDGEMENTS

Seed infection level

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Seed infection level





The % of plumps significantly decreased with irrigation.

The findings suggest an influence of seed infection and irrigation for seed-to-seedling transmission of Xtu, likely

depending on environmental conditions.

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