

Improving canola agronomy with third-party and farmer-run research

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KEEP IT COMING



Canola Growing Regions of Canada



Ultimate Canola Challenge (UCC)

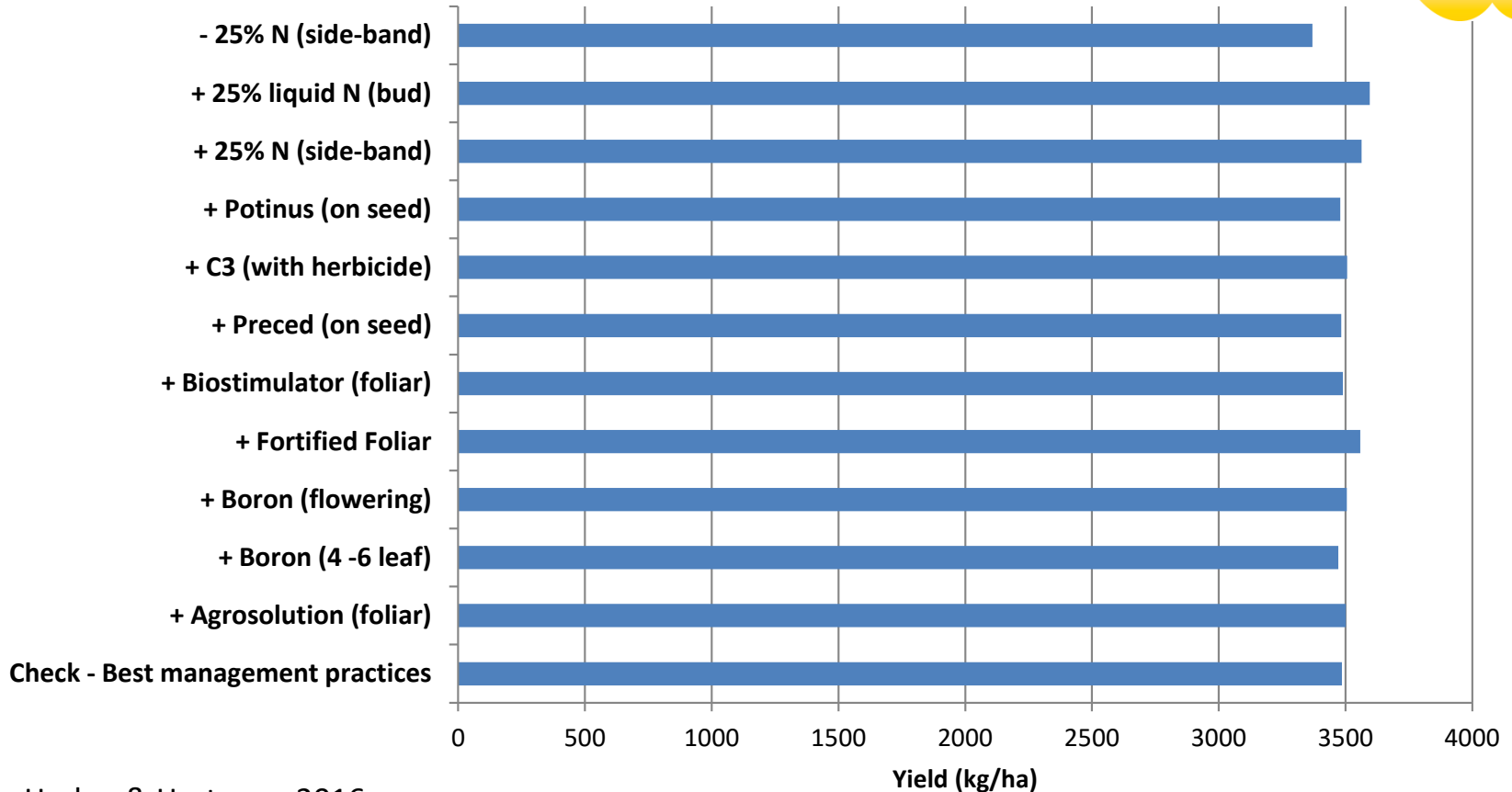
- Model best management practices for improved canola agronomy

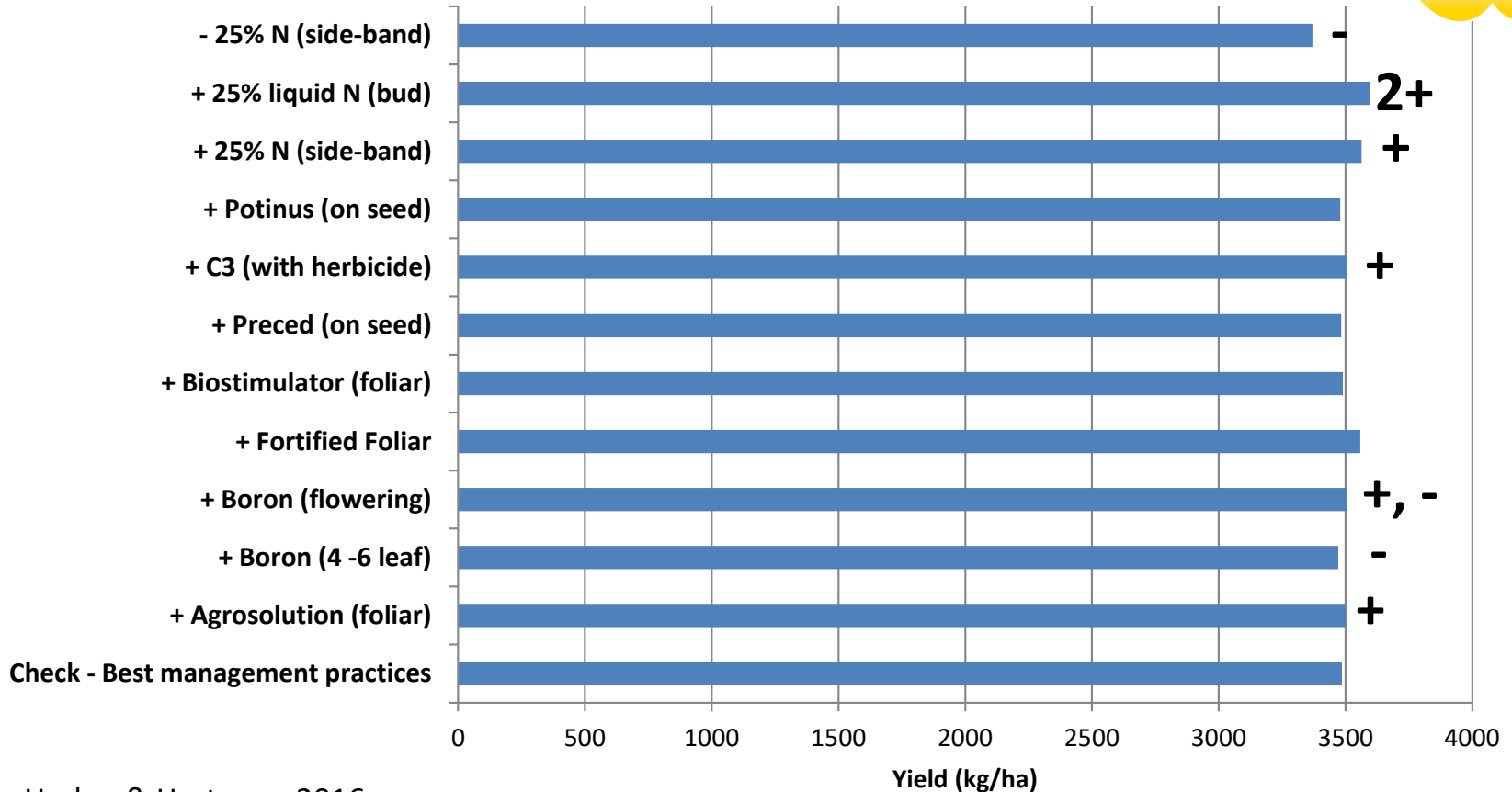


2013-2014

- Small plot trials
 - 14 site-years of data
- Examined value of:
 - Boron
 - Other micronutrient packages
 - 25% more nitrogen





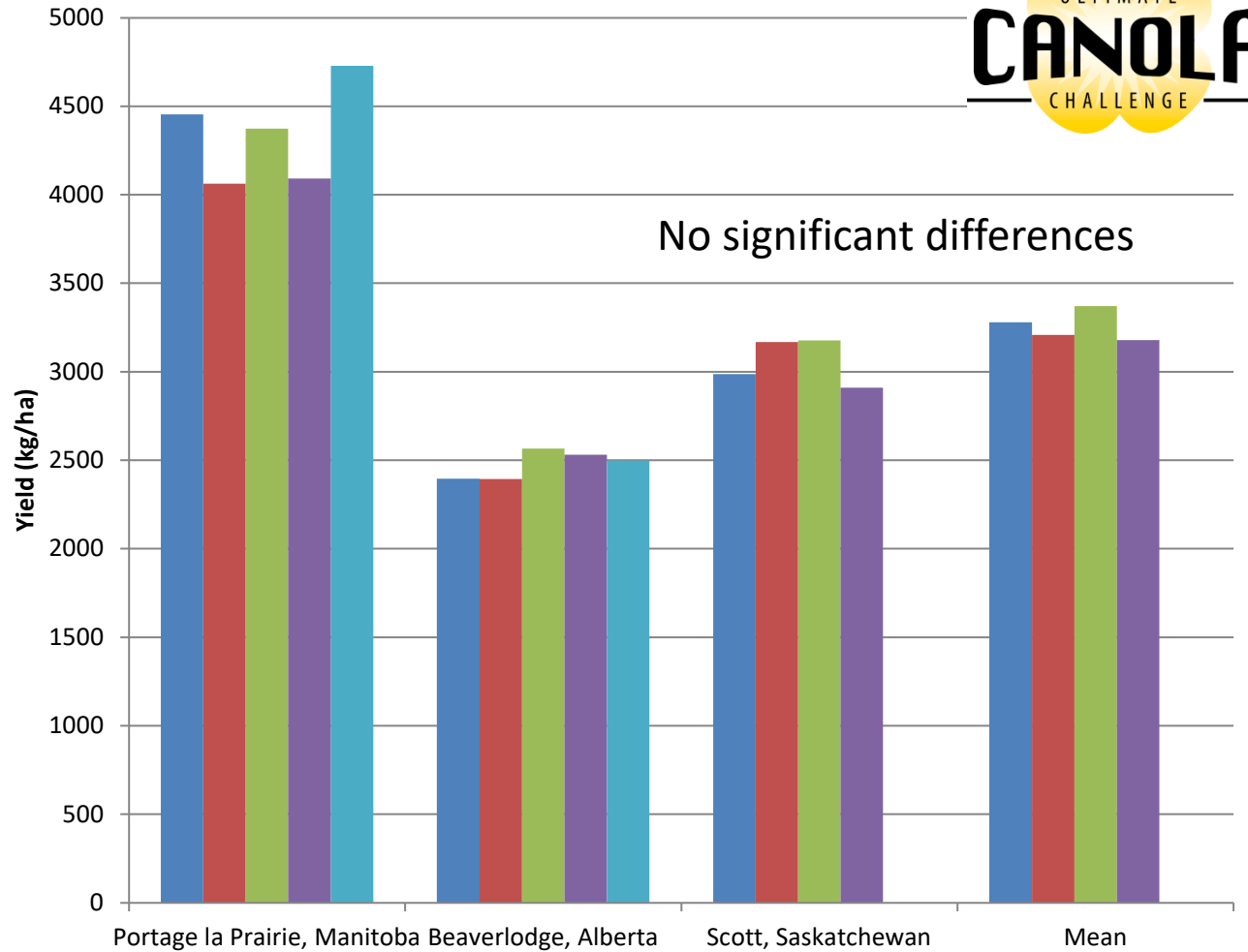


2015

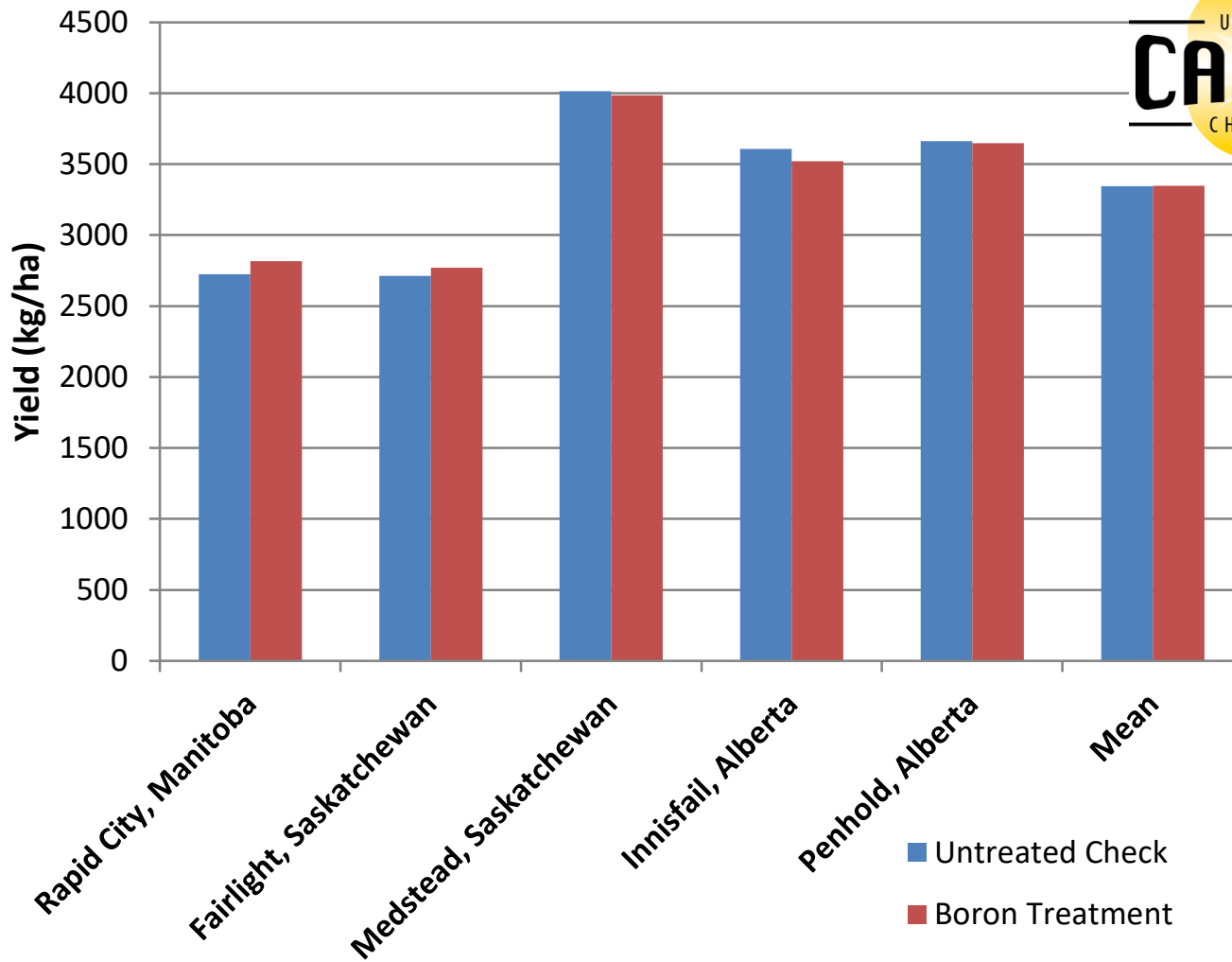
- Small plot trials
 - 3 locations
 - 4 boron products
- Farmer-run strip-trials.
 - 2 to 5 replications
 - 5 locations
 - Single boron treatment vs check

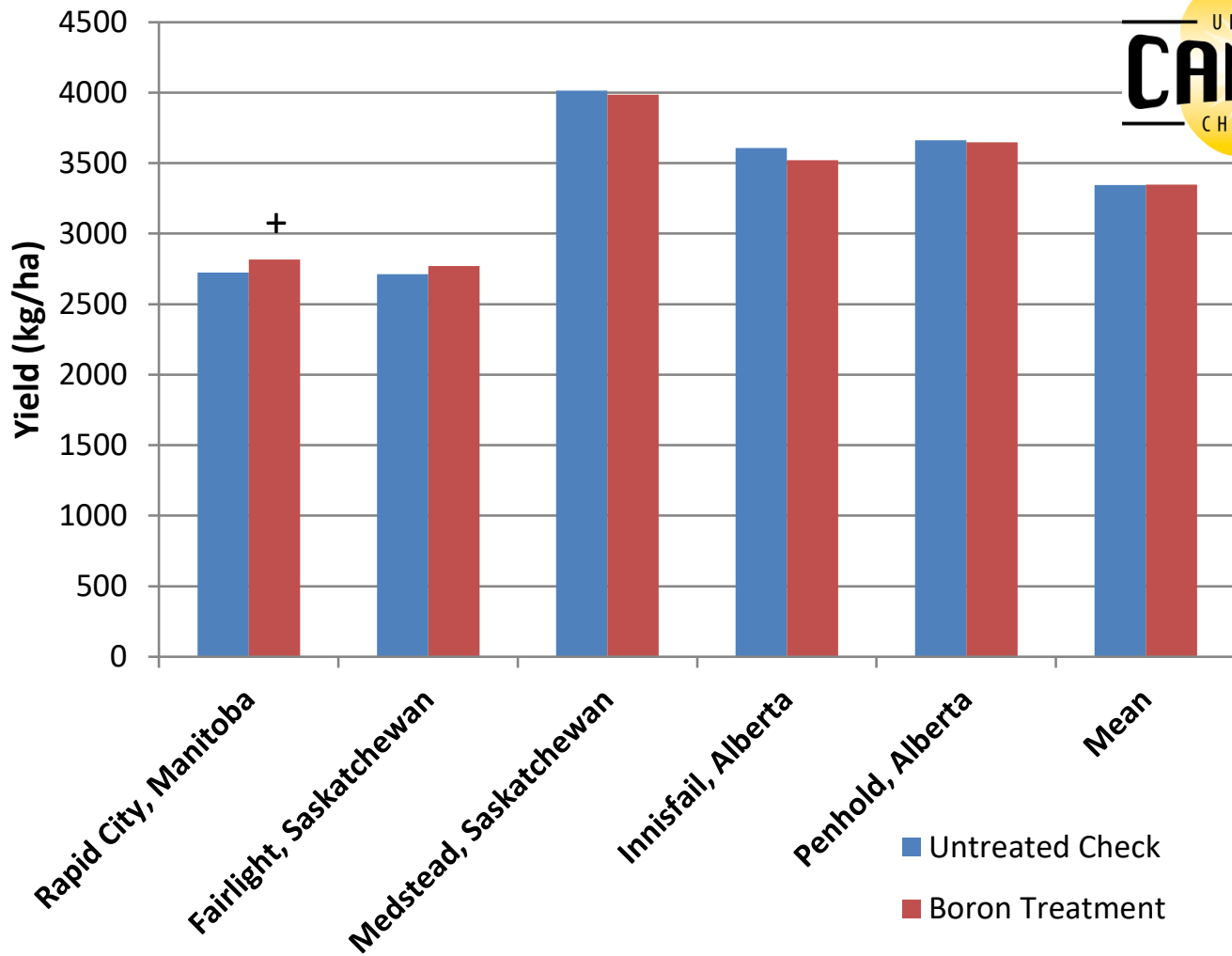


- Check (no_Boron)
- Nexus (5% flower)
- Microbolt B (4-6 leaf)
- SuperB (5% flower)
- Nexus + fungicide (30% flower)









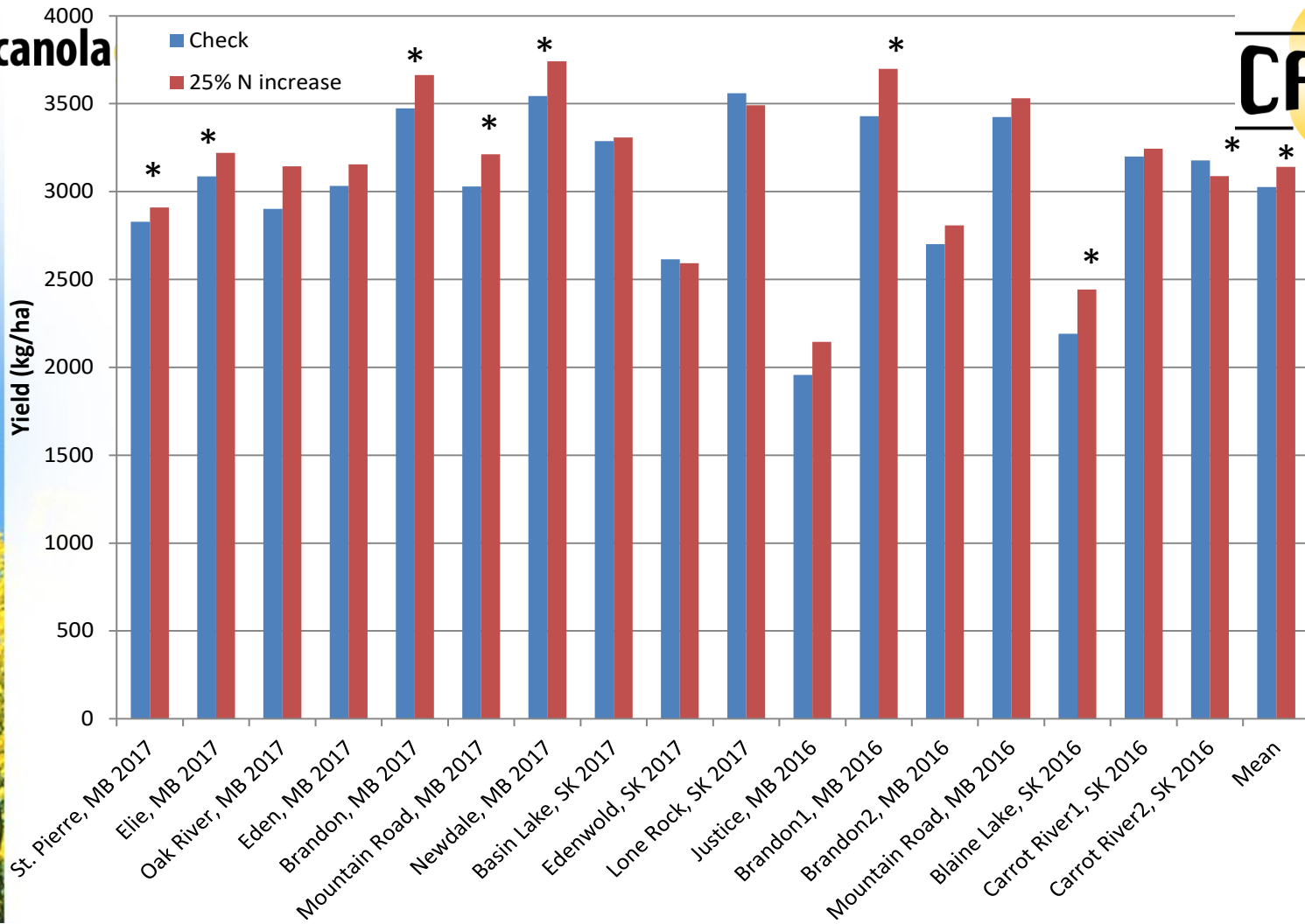
2016-2017

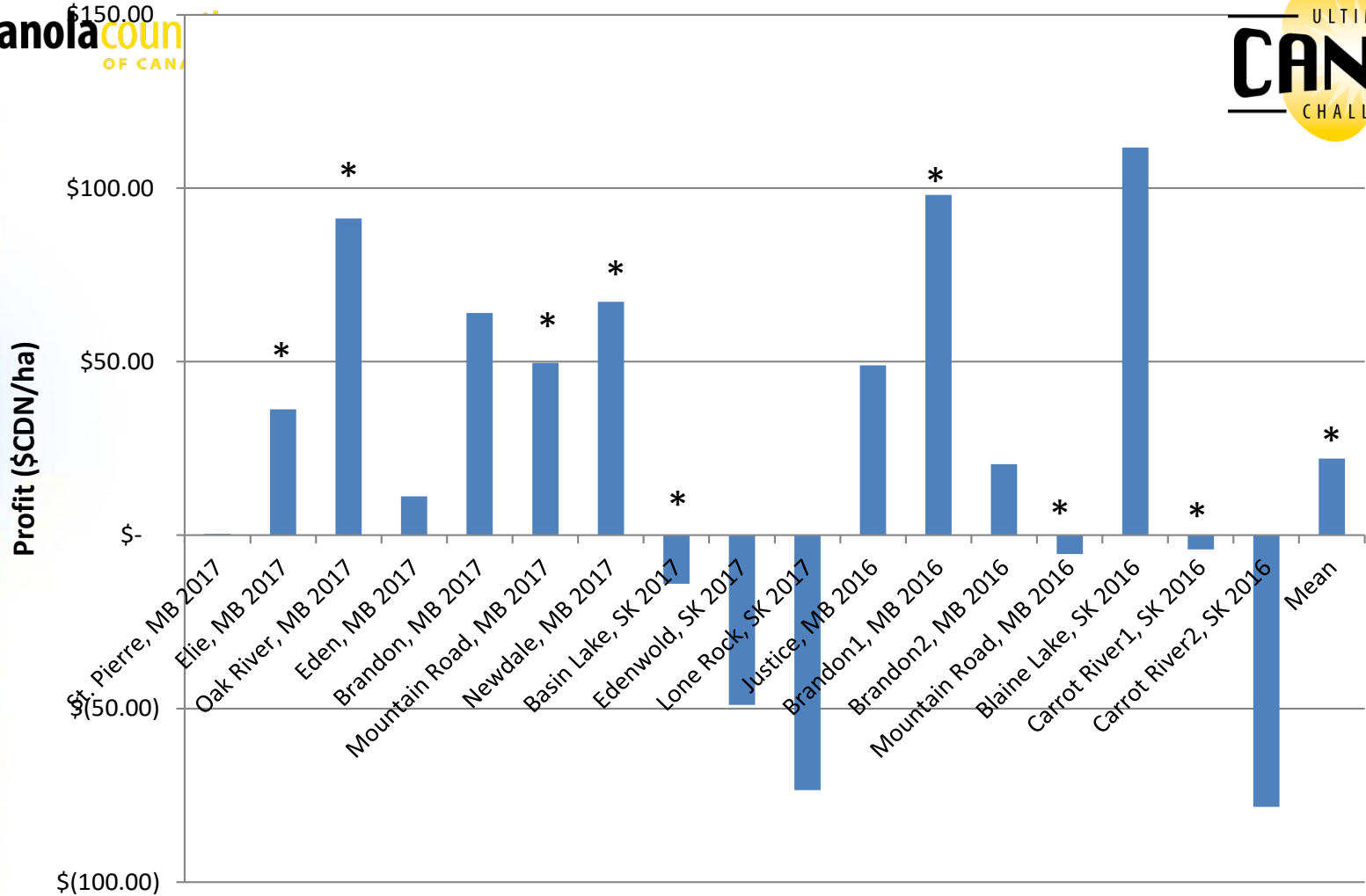
- Farmer-run strip-trials.
 - 4 reps
 - 17 site years
- Adding 25% more nitrogen





canola

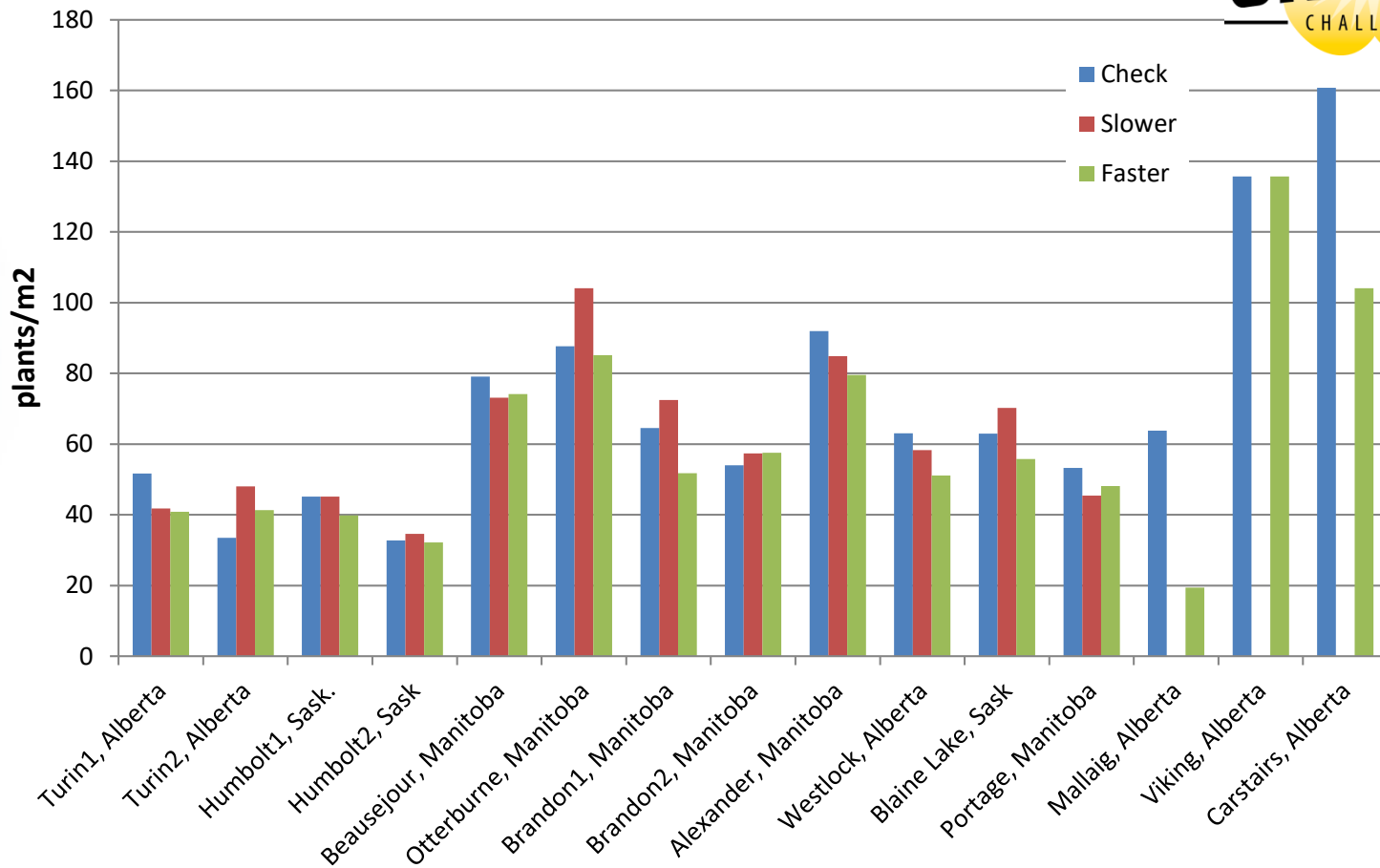


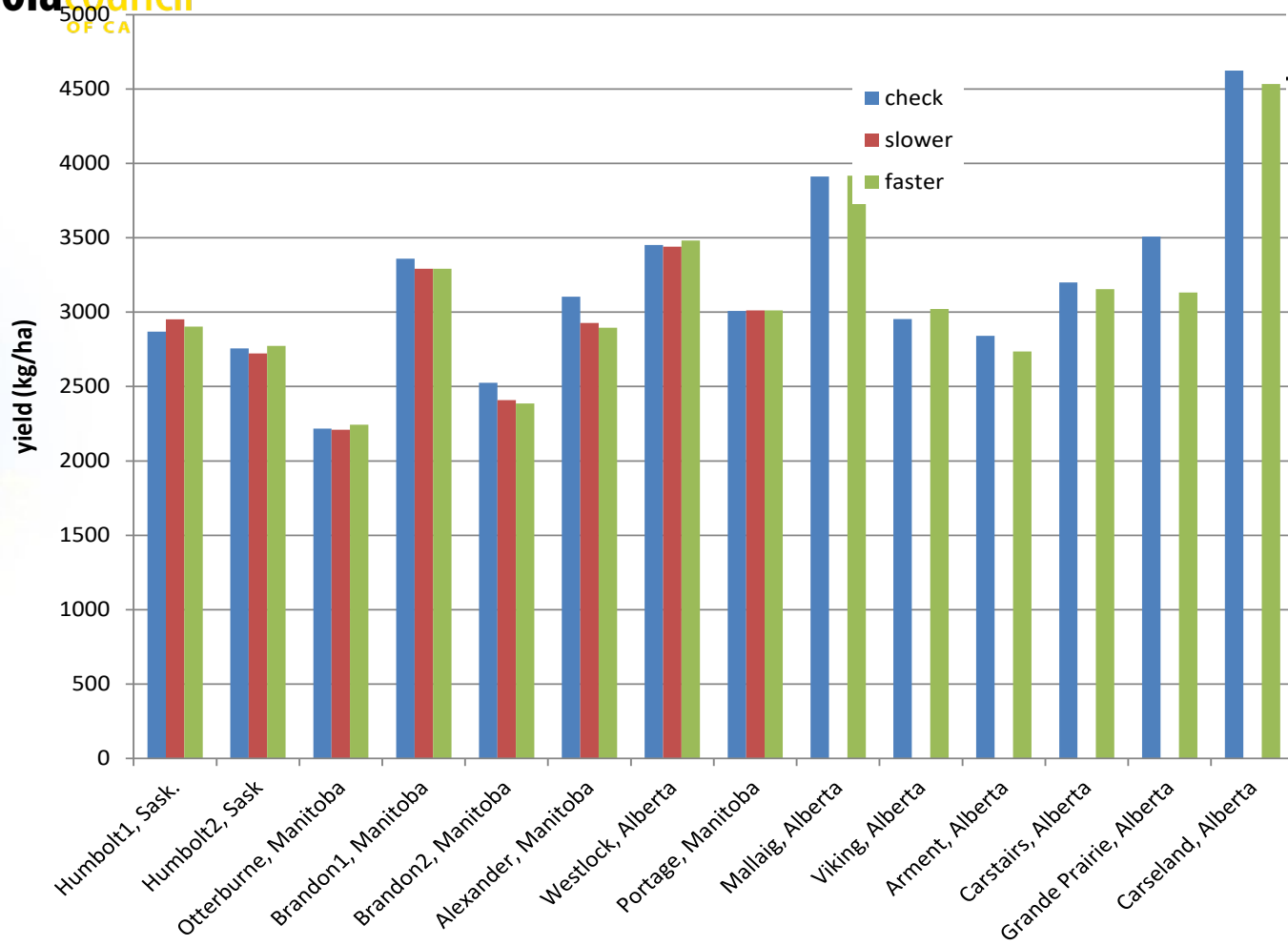


2018

- Farmer-run strip-trials.
 - 1 to 4 replications
 - 18 locations
- Comparing seeding speeds







What is good-quality information?

- Do farmers value research?
 - Most product are sold on testimonials
 - Agronomist influence on farmers decisions is very high.
- UCC has been a program to promote the value of replicated, third-party, peer-reviewed published data over biased information



Which data to trust?



- 3rd party data - multiple sites & published
- 3rd party data - multiple sites
- Private data - multiple sites
- Private data – few sites
- Testimonials

Conclusions

- To change agronomic behaviour, farmers need to see farmers modelling these changes
- Farmer-run strip trials have been a very useful tool to promote improved productive, profitable, and sustainable agronomic choices
- The industry needs to continue to support and educate the value of good quality data/information