

# Devin A. Serfas

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## EDUCATION

- 2019-Present**      **PhD. in Agricultural and Resource Economics** (*Expected 2024*)  
Dissertation: Essays on Cropping Choice, Carbon Sequestration, and the Productivity of Saskatchewan Farms  
Committee: Julian M. Alston, Richard S. Gray, Aaron D. Smith, and Pierre R. Mérel  
University of California, Davis
- 2016-2018**      **MSc. in Agricultural Economics**  
Thesis: Strategic Investment and Entry Decisions for Soybean Breeding in western Canada  
University of Saskatchewan
- 2012-2016**      **BSc. in Agribusiness** (Honors and Great Distinction)  
University of Saskatchewan

## PEER-REVIEWED ARTICLES

- 2023**      Alston, J. M., Pardey, P. G. Serfas, D., and S. Wang. 2023. Slow Magic: Agricultural Versus Industrial R&D Lag Models. *Annual Review of Resource Economics*, 15:1.
- 2018**      Serfas, D., Gray, R., and P. Slade. 2018. Congestion and Distribution of Rents in Wheat Export Sector: A Canada–US Cross-Border Comparison. *Canadian Journal of Agricultural Economics*, 66(2): 187-207.

## OTHER PUBLICATIONS

- 2019**      Serfas, D. and R. Gray. 2019. An Evaluation of Value Creation Models for Pulses in western Canada. A report prepared for the Crop Development Center. Saskatoon, SK.

## WORKING PAPERS

- 2023**      A New Field-Level Measure of the Stock of Soil Organic Carbon and Value of Carbon Sequestration, *Working Paper*
- 2023**      The Consequences of Soil Organic Carbon for Crop Yield, Farm Productivity, and Profit, *Working Paper*
- 2023**      Fighting Climate Change with Soil Organic Carbon: Science and Policy, *Work in Progress*
- 2021**      Serfas, D., Alston, J.M. and P.G. Pardey. 2021. The Returns to Industrial R&D: A Comprehensive Meta-Assessment and Partial Critique of the Evidence. InStePP Working Paper. St Paul, MN: International Science and Technology Practice and Policy Center, University of Minnesota.

## CONFERENCE AND PRESENTATIONS

- 2023**      Western Agricultural Economics Association and Canadian Economics Association Annual Meeting and Conference in Whistler, BC
- 2022**      NatuRE Policy Lab – Lab Seminar in Davis, CA
- 2022**      Workshop on Spatial Data Analysis – University of Saskatchewan
- 2018**      3<sup>rd</sup> Soyagen Annual Meeting in Quebec City, QC
- 2018**      65<sup>th</sup> Annual North American Meetings of the Regional Science Association in San Antonio, TX
- 2018**      30<sup>th</sup> International Conference of Agricultural Economists in Vancouver, BC
- 2018**      25<sup>th</sup> Annual International Moose Jaw Conference – "Farming for ... Profit?" NAFTA & Trade Expansion

## GRANTS

- 2022-2024**      **Saskatchewan Wheat Development Commission** – \$85,000  
With Richard Gray and Julian Alston
- 2022-2023**      **Giannini Foundation of Agricultural Economics** – \$30,000  
With Julian Alston

## AWARDS

- 2017**                      **Saskatchewan Pulse Crop Development Board Don Jaques Memorial Fellowship** – \$20,000
- 2016**                      **Undergraduate Book Prize Award**, Outstanding undergraduate student in agricultural economics or related field, Awarded by Canadian Agricultural Economics Society

## WORKSHOPS

- 2023**                      **Speeding up computations with parallel R**  
WestDRI online courses, Digital Research Alliance of Canada, Simon Fraser University, BC
- 2022**                      **Geo-Computation and -Statistics in R: Explicitly Accounting for Location in Agriculture**  
GEMS Informatics, Minnesota Supercomputing Institute, University of Minnesota, MN

## WORK EXPERIENCE

### Research

- 2023**                      **Graduate Student Researcher**, University of California, Davis  
With Julian Alston
- 2022-2023**              **Research Assistant**, University of Saskatchewan  
With Richard Gray and Julian Alston
- 2021-2022**              **Graduate Student Researcher**, University of California, Davis  
With Julian Alston and Philip Pardey
- 2018-2019**              **Research Officer**, University of Saskatchewan
- 2016**                      **Research Assistant**, University of Saskatchewan  
Grain Transportation Research commissioned by Saskatchewan Wheat Development Commission.

### Teaching Assistant

- 2020**                      **Teaching Assistant**, University of California, Davis  
ARE 100B – Intermediate Microeconomics (*Spring and Fall Quarters*)
- 2017-2018**              **Teaching Assistant**, University of Saskatchewan  
AREC 346 – Principles of Sales (*Fall 2017*)  
AREC 343 – Grain and Livestock Marketing (*Winter 2018*)

### Other Employment

- 2012-2019**              **Custom Farming** – custom seeding, spraying, and combining in Eston, SK.

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## REFERENCES

### Julian Alston

Professor Emeritus  
Agricultural and Resource  
Economics  
University of California, Davis  
Davis, CA  
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### Richard Gray

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### Aaron Smith

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