

# BISHAL BISTA

Email: [Bishal.Bista@colostate.edu](mailto:Bishal.Bista@colostate.edu)  
Colorado State University, Fort Collins, CO

## EDUCATION

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### Colorado State University

Ph.D., Department of Agricultural and Resource Economics

Dissertation: "Essays on Risk, Insurance, and Environmental Decision-Making in U.S. Agriculture. (Tentative)"

Advisor: Dr. Nathan D. DeLay

Fort Collins, CO

*Expected May 2027*

### University of Tennessee

M.S., Department of Agricultural and Resource Economics

Thesis: "Risk & Financial Analysis of Publicly Traded Biofuel Firms."

Advisor: Dr. Carlos O. Trejo-Pech

Knoxville, TN

*May 2023*

### Agriculture and Forestry University

B.S., Agriculture

Thesis: "Knowledge, Perception, & Practice of Pesticide Use Among Vegetable Farmers in Surkhet, Nepal."

Advisor: Dr. Pankaj Raj Dhital

Chitwan, Nepal

*Dec 2020*

## RESEARCH INTERESTS

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Agricultural Policy, Production Economics, Risk Analysis, Applied Econometrics, Sustainability

## PEER REVIEWED PUBLICATIONS

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Trejo-Pech, C. J., **Bista, B.**, Yu, T. E., & Larson, J. A. (2025). "An Analysis of the Risk Narrative Disclosed by Publicly Traded Biofuel Firms. *Energy Strategy Reviews*, 62, 101927."

## WORKING PAPERS

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**Bista, B.** & DeLay, N.D. "Willingness to Participate in Methane-Reduction Markets: Insights from U.S. Cattle Producers." In preparation for submission to *Food Policy*.

**Bista, B.**, DeLay, N.D., Pinedo, P., & Manriquez, D. "Integrating Automated Body Condition Scores and Lactation Data via Optimization Algorithm for Maximized Milk Revenue and Minimized Conception Cost in Dairy Cows." Under Review at *Journal of Dairy Science*.

## WORKS IN PROGRESS

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**Bista, B.**, DeLay, N.D., McKee, S., & Mooney, D. "Invasive Wildlife and Agricultural Risk: A Spatial Panel Analysis of Feral Pig Damage."

**Bista, B.**, DeLay, N.D., & Bonanno, A. "Impact of Pasture, Rangeland, and Forage (PRF) Insurance on Reinsurance Fund Allocation."

DeLay, N.D., **Bista, B.**, & Ritten, J. “Simulating Profitability and Environmental Performance in Fed Cattle Methane-Reduction Markets.”

Trejo Pech, C., Carey, C., **Bista, B.**, & Yu, E. “The Financial Performance and Cash Flow Dynamics of U.S. Publicly Traded Biofuel Firms.”

## GRANTS AND AWARDS

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**Early Career Professional and Graduate Student Travel Grant**  
Agricultural and Applied Economics Association *Summer 2025*

**Travel Grant for AAEA Annual Conference**  
Colorado State University *Summer 2025*

**Travel Grant for WAEA Annual Conference**  
Colorado State University *Summer 2024*

**Graduate School Travel Award for SAEA Annual Conference**  
University of Tennessee *Spring 2023*

## SELECT PRESENTATIONS

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**Willingness to Participate in Methane-Reduction Markets: Insights from U.S. Cattle Producers.** *2025*  
*AgNext Fall 2025 Industry Innovation Working Group Meeting.*

**Impact of Pasture, Rangeland, and Forage (PRF) Insurance on Reinsurance Fund Allocation.** *2025*  
*Agricultural and Applied Economists Association & Western Agricultural Economics Association Joint Annual Meeting.*

**Impact of Pasture, Rangeland, and Forage (PRF) Insurance on Reinsurance Fund Allocation.** *2025*  
*AgNext Research Summit 2025.*

**Efficient Dairy Management: Leveraging NSGA-II for Optimized Milk Production and Fertility.** *2025*  
*College of Agricultural Sciences Graduate Student and Post-doc Research Showcase.*

**Impact of Pasture, Rangeland, and Forage (PRF) Insurance on Reinsurance Fund Allocation.** *2025*  
*Food Systems Lab, Colorado State University.*

**Efficient Dairy Management: Leveraging NSGA-II for Optimized Milk Production and Fertility.** *2024*

*AgNext Fall 2024 Industry Innovation Working Group Meeting.*

**An Analysis of the Risk Narrative Disclosed by Publicly Traded Biofuel Firms.** 2024  
*International Food & Agribusiness Management Association Annual Conference.*

**Dynamic Programming Analysis of Body Condition Scores (BCS) Impact on Milk Production and Fertility in Holstein Cows: Informing Optimal AI and Culling Decisions for Enhanced Dairy Farm Profitability** 2024  
*Western Agricultural Economics Association Annual Meeting.*

**Risk Assessment of Publicly Traded Biofuel Firms.** 2023  
*Southern Agricultural Economics Association Annual Meeting.*

## **TEACHING EXPERIENCE**

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### **Colorado State University, Fort Collins, CO**

Instructor, AREC 311: Agricultural and Resource Product Marketing (Online) *Spring 2024*  
Instructor, AREC 428: Agricultural Business Management (Online) *Fall 2023*  
Teaching Assistant, AREC 428: Agricultural Business Management *Fall 2023*

### **University of Tennessee, Knoxville, TN**

Teaching Assistant, AREC 412: Agricultural Finance and Risk Management *Fall 2022*

### **Shree Jana Jagriti Secondary School, Nepal**

Lecturer for Soil Science, Horticulture Crops, and Entomology. *Oct 2020 to May 2020*

## **RESEARCH EXPERIENCE**

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### **Colorado State University, Fort Collins, CO**

Research Assistant to Dr. Nathan D. Delay *Spring 2024 - Present*

### **University of Tennessee, Knoxville, TN**

Research Assistant to Dr. Carlos O. Trejo-Pech *Fall 2021, Spring 2022, Spring 2023*

### **Prime Minister Agriculture Modernization Project, Nepal**

Research Intern *Jan 2020 to Jun 2020*

## **OTHER EXPERIENCE**

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### **Soil Profile Surveyor**

National Land Use Project, Nepal *Aug 2019 to Oct 2019*

### **Plant Health Clinic**

Group of Agriculture & Veterinary Students, Nepal *June 2019*

### **Soil Testing Campaign**

Group of Agriculture & Veterinary Students, Nepal *Dec 2016*

## PROFESSIONAL AFFILIATION

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<b>Agricultural and Applied Economics Association</b>	<i>2025</i>
<b>Western Agricultural Economics Association</b>	<i>2024</i>
<b>Southern Agricultural Economics Association</b>	<i>2023</i>

## PROFESSIONAL SERVICE

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**Ad hoc Reviewer:** Applied Economic Perspectives and Policy  
**Member:** University of Tennessee, Knoxville, Graduate Student Senate  
**Coordinator:** Group of Agriculture & Veterinary Students, Nepal

## Skills and Knowledge

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**Computer Languages:** R, STATA, Python, SAS, ArcGIS, LaTeX  
**Languages:** English (Proficient), Nepali (Native), Hindi (Fluent)

## References

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**Nathan D. DeLay, Ph.D.**  
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Department of Agricultural and Resource Economics  
Colorado State University  
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