

**Hernan A. Tejada**

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Citizenship: Chilean

EDUCATION:

**North Carolina State University** – Raleigh, NC

Economics Ph.D., minor in Statistics, December 2010

*Thesis title:* Issues Regarding Price Risk in Agricultural Commodity Markets.

*Main Advisor:* Barry K. Goodwin

*Fields of Interest:* Applied Econometrics and Statistics, Time Series and Applied Microeconomics, Risk analysis in commodity markets, Agribusiness, Agricultural Price Analysis, Crop Insurance, Financial Economics.

**North Carolina State University** – Raleigh, NC

Master of Economics, December 2005

**University of Notre Dame** – South Bend, IN

Master of Business Administration, May 2000

**Pontificia Catholic University of Chile** – Santiago, Chile

Civil Industrial Engineer, major Mechanical, September 1990

ACADEMIC EXPERIENCE:

**NC State University Solar Center** – Raleigh, NC

Research/Professional Specialist – Bioenergy Supply Chain Research Project,  
July 2011 – present.

**North Carolina State University** – Raleigh, NC

Graduate Research & Teaching Assistant – Economics and Agricultural and Resource Economics Departments. Professors: Barry Goodwin, Tom Vukina, Charles Safley & Ted Feitshans: 2005 to 2010.

**Brown Mackie College (Ex Michiana College)** – South Bend, IN

Instructor - 2000 to 2004: Statistics & Research, Algebra & Mathematics

**University of Notre Dame** – South Bend, IN

Research Assistant for Professor Ira Harris (currently at University of Virginia) – summer 2000

**Pontificia Catholic University of Chile** – Santiago, Chile

Assistant Instructor – Introduction to Engineering: 1988

NON-ACADEMIC EXPERIENCE:

CMPC Papeles S.A. (Cardboard affiliate of Forest Product holding) – Santiago, Chile

Manager of Operations & Logistics: 1997 -1998

CMPC Celulosa S.A. (Woodpulp affiliate of Forest Product holding) – Santiago, Chile  
Operations & Logistics Engineer: 1993 – 1997

Fibrocementos Pudahuel Ltda. (Concrete tiles manufacturer) – Santiago, Chile  
Consultant Engineer: 1992

Congelados del Pacifico Ltda. (Frozen fish products) – Concepcion, Chile  
Development Engineer: 1991

#### WORKING PAPERS:

Dynamic Price Relationships in the Grain and Cattle Markets, Pre and Post Ethanol Mandate, with Barry K. Goodwin.

Testing the Performance of Multiproduct Optimal Hedging with Time Varying Correlations in Storable and Non-Storable Commodity Settings, with Barry K. Goodwin.

Multiproduct Optimal Hedging by Time Varying Correlations in a State Dependent Model of Regime Switching, with Barry K. Goodwin.

Identifying Volatility Spillover Effects from Ethanol on Corn, Soybean and Cattle Markets through a State Dependent Regime Switching Model of Dynamic Correlations, with Barry K. Goodwin and Denis Pelletier.

A State Dependent Regime Switching Model of Dynamic Correlations, with Barry K. Goodwin and Denis Pelletier.

Crop Price Modeling and Correlation Analysis between Crop Prices and Yields Using Copula Models, with Barry K. Goodwin. (submitted for review).

#### PRESENTATIONS & CONFERENCES:

AAEA Summer Conference at Pittsburgh, PA – July, 2011.

Selected paper for presentation in Commodity Price Determinants and Relationships in Agribusiness Markets:

**Dynamic Price Relationships in the Grain and Cattle Markets, Pre and Post Ethanol Mandate.**

NCCC-134 “Applied Commodity Price Analysis, Forecasting and Market Risk Management” 2011 Meeting at Saint Louis, MO – April 2011.

**Testing the Performance of Multiproduct Optimal Hedging with Time Varying Correlations in Storable and Non-Storable Commodity Settings.**

NCSU Agricultural Economics Workshop, NCSU – February 2011

**Identifying Volatility Spillover Effects from Ethanol on Corn, Soybean and Cattle Markets through a State Dependent Regime Switching Model of Dynamic Correlations.**

NC Sod Producers Association Winter Conference – December 2010

**An Ongoing Program to Increase Demand, Product Quality and Production Efficiency for North Carolina grown Turf-grass Sod – Survey Results.**

AAEA Summer Conference at Denver, CO – July, 2010 .

Selected paper for presentation in Price Risk Management in Agribusiness:

**Multiproduct Optimal Hedging by Time Varying Correlations in a State Dependent Model of Regime Switching.**

AAEA Summer Conference at Milwaukee, WI – July, 2009.

Selected paper for presentation in Research Methods/ Statistical Methods:

**A State Dependent Regime Switching model of Dynamic Correlations.**

NCCC-134 “Applied Commodity Price Analysis, Forecasting and Market Risk Management” 2009

Meeting at Saint Louis, MO – April 2009

**Price Volatility, Nonlinearity, and Asymmetric Adjustments in Corn, Soybean, and Cattle Markets: Implications of Ethanol-Driven (Market) Shocks.**

NCSU Agricultural Economics Workshop, NCSU – November 2008

**Modeling Crop Prices through a Burr Distribution and Analysis of Correlation between Crop Prices and Yields Using a Copula Method**

AAEA Summer Conference at Orlando, FL – July, 2008.

Selected paper for presentation in Risk & Uncertainty:

**Modeling Crop Prices through a Burr Distribution and Analysis of Correlation between Crop Prices and Yields Using a Copula Method**

AWARDS:

Graduate Research & Teaching Assistanship, North Carolina State University, 2005 - 2010

Whirlpool Fellowship, University of Notre Dame, 1998 – 2000

COMPUTER SKILLS:

Competency in Matlab, SAS, R, Ox, STATA, MS Office.

PROFESSIONAL MEMBERSHIP:

Member of Agricultural and Applied Economics Association.

Member of Econometric Society.

Member of Western Agricultural Economics Association.

REFERENCES:

Barry K. Goodwin  
William Neal Reynolds Distinguished Professor  
Departments of Economics &  
Agricultural and Resource Economics  
North Carolina State University  
Raleigh, NC 27695  
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Jeffrey Bergstrand  
Professor  
Department of Finance  
Mendoza College of Business  
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