

Appendix A: NAAMI Symposium Program Agenda

North American Market Integration and Its Impact on the Food and Fiber System

November 6, 2000

- 8:30am-9:00am **Registration and Assembly**
- 9:00am-9:15am **Welcome**
Introduction: Neil Conklin, MTED Director
Context and Objectives: Thomas Vollrath
- 9:15am-10:00am **What Are the Dimensions and Economic Significance of Integrated Markets?**

One Continent, One Market: The Pathway and the Payoff:
Gary Hufbauer, Institute of International Economics
- 10:00am-10:45am **What Actually Happened to Trade Flows?** (Moderator: Greg Pompelli, ERS)

*Evolving Patterns of Integration in the North American Market
and the Impact of NAFTA:* Thomas Hertel, Purdue University and Mark Gehlhar, Paul
Johnston, and Thomas Vollrath, ERS
- 10:45am-11:00am **Refreshments**
- 11:00am-12:30pm **What Is the Extent of Market Integration in Selected Commodity Markets?**
(Moderator: Bill Kost, ERS)

Measuring Market Integration: Theoretical Concepts and Empirical Tests:
Barry Goodwin, North Carolina State University

Integration in the Meat and Livestock Sector:
John Jenkins, ERS and Thomas Vollrath, FSA

Integration in Grains and Oilseeds:
Samarendu Mohanty, Texas A&M and Suchada Langley, ERS

The Importance of Switching Regimes in Meat and Horticultural Products:
William Hahn, ERS
- 12:30pm-1:30pm **Lunch**
- 1:30pm-3:30pm **What do Structure-Conduct-Performance Market Analyses Show?**
(Moderator: Aziz Elbehri, ERS; Discussant: Ramon Guajardo)

*Integration as a Source of Structural Change in North American Agriculture:
The Case of Imperfectly Competitive Industries:*
Philip Paarlberg, Purdue University

*Concentration within the North American Continental Livestock Market:
Implications for Market Behavior:*
Jim MacDonald, ERS

The Integration of North America's Cotton and Textile Industries:
Stephen MacDonald and Leslie Meyer, ERS

*The Impact on the Horticultural Sector of Seasonal Specialization,
NAFTA, and Technological Change:*
Linda Calvin, ERS

The North American Tomato Market: A Spatial Equilibrium Perspective:
Ramon Guajardo, University of Nuevo Leon, Monterrey, Mexico

3:00pm-3:15pm

Refreshments

3:15pm-4:30pm

What is the Perspective from Private Enterprise?

(Moderator: Walter Armbruster, Farm Foundation)

Canadian/Mexican/U.S. Private-Sector Panel:

Bryan Edwardson, Cargill

George Fleischmann, Food & Consumer Manufacturers of Canada

Sarah Fogarty, Grocery Manufacturers of America

Salomon Salcedo-Baco, Agrositio, Mexico

November 7, 2000

8:30am-9:45am

What is the Role of Government in Facilitating the Integration Process?

(Moderator: John Dunmore, ERS)

The Effectiveness of Public Policies on Shaping a Single

North American Market in Agriculture:

Bruce Gardner, University of Maryland

*Policy Options and Innovative Alternatives Available to Improve
Performance in Factor Markets Within North America:*

Sidney Weintraub, Center for Strategic and International Studies

10:00am-10:15am

Refreshments

10:15am-11:15am

**What Are the Institutional Challenges to a More Unified
North American Market?**

(Moderator: Robert Riemenschneider, FAS)

Institutional Factors Impeding Market Integration in Selected Commodity Markets:

Al Loyns, University of Manitoba, and Ronald Knutson and Rene Ochoa, Texas A&M

Prospects and Payoffs of Harmonizing Regulatory Systems

Between the United States and Canada:

Cameron Short, AgriFood Canada

11:15am-12:15pm

What is the Perspective from Public Policymakers?

(Moderator: Walter Armbruster, Farm Foundation)

Andres Rosensweig, SAGAR

Doug Hedley, AgriFood Canada

Joe Glauber, USDA

12:15pm-12:30pm

Wrap-up, Open Discussion, and Closure

Appendix B: Equations for Bilateral Trade Intensity and Commodity Complementarity

Bilateral Trade Intensity

$$BTI_{ij} \equiv \frac{X_{ij}}{X_{iw}} \bigg/ \frac{M_{jw}}{M_{ww} - M_{iw}} \equiv \frac{X_{ij}}{X_{iw}} \bigg/ \frac{X_{wj}}{X_{ww} - X_{wi}}$$

Commodity Complementarity

$$CCD_{ij}^s \equiv \sum_{k \in s} \left[\left(\frac{X_{iw}^k}{\sum_{k=1}^K X_{iw}^k} \right) * \left(\frac{M_{ww}^s - M_{iw}^s}{M_{ww}^k - M_{iw}^k} \right) * \left(\frac{M_{jw}^k}{\sum_{k=1}^K X_{jw}^k} \right) \right] = XSP_i^k * MS_j^k, \text{ where}$$

$$XSP_i^k = \left(\frac{X_{iw}^k}{\sum_{k=1}^K X_{iw}^k} \right) \bigg/ \left(\frac{X_{ww}^k - X_{wi}^k}{\sum_{k=1}^K (X_{ww}^k - X_{wi}^k)} \right)$$

$$MS_j^k \equiv \left(\frac{X_{wj}^k}{\sum_{k=1}^K X_{wj}^k} \right)$$

Key to notation:

- i = exporter
- j = importer
- k = individual commodity or product
- w = world
- s = sector
- X_{ij} = fob exports from i to j
- M_{ji} = fob imports by j from i
- BTI_{ij} = Brown's bilateral trade intensity index
- CCD_{ij}^s = Drysdale's complementarity index
- MS_j^k = j's commodity k's import share
- XSP_i^k = i's export specialization pattern in i's foreign market