Transition to Agricultural Market Economies

The Future of Kazakhstan, Russia and Ukraine

Edited by

Andrew Schmitz
University of Florida, Gainesville, Florida, USA

and

William H. Meyers
University of Missouri, Columbia, Missouri, USA
## Table of Contents

- **Introduction** ix
- **Acknowledgements** xi
- **Foreword** xiii
- Gershon Feder
- **Contributors** xv

### PART I

1. **Overview of Agriculture in Kazakhstan, Russia and Ukraine**
   William M. Liefert and Olga Liefert
   1

2. **Kazakhstan's Agricultural Development Constraints: Evidence from the Wheat, Beef and Dairy Sectors**
   Martin Petrick and Dauren Oshakbaev
   15

3. **The Rise of the Former Soviet Union Region as a Major Grain Exporter**
   William M. Liefert and Olga Liefert
   27

4. **Policy Issues and Prospects for Ukraine's Grain Exports**
   Kateryna G. Schroeder and William H. Meyers
   39

5. **Wheat Export Development in Ukraine**
   Iryna Kobuta
   51

6. **Effect of Relative Export Price Changes of the Top Principal Crops in Russia**
   Ekaterina Vorotnikova, Serhat Asci and James L. Seale, Jr
   61

### PART II

7. **The Role of Production Cooperatives in Russian Agriculture**
   Svetlana Golovina, Jerker Nilsson and Axel Wolz
   72

8. **Agricultural Cooperative Development in Kazakhstan and Ukraine**
   David Sedik and Zvi Lerman
   81
9 The Strategy of Innovative Development of Russian Agriculture
   David Epstein
   92

10 The Emergence of Agroholdings and Patterns of Land Use in Ukraine
   Volodymyr Lapa, Taras Gagalyuk and Igor Ostapchuk
   102

11 Large-Scale Dairy and Poultry Production in Russia: Level
   and Trends of Development
   Vladimir N. Surovtsev, Yulia Nikulina and Uliana Saigusheva
   111

12 Does Agroholding Membership Increase Productivity
   and Efficiency in Russian Agriculture? Evidence from Agroholdings
   in the Belgorod Oblast
   Konstantin Hahlbrock and Heinrich Hockmann
   122

13 Large-Scale Dairy and Poultry Production in Russia:
   Efficiency and External Environment
   Vladimir N. Surovtsev, Evgeny Schedrin, Mikhail Ponomarev, Elena Chastikova
   and Uliana Saigusheva
   133

PART III

14 International Crop Yield Comparisons: Selected KRU Regions
   Charles B. Moss and Andrew Schmitz
   145

15 Modelling Fertilizer Demand: The Three Bads
   Andrew Schmitz and Charles B. Moss
   157

PART IV

16 Russian Trade in Agricultural Products: Current State
   and Influences of Trade Integration
   Vasily Erokhin
   164

17 Farm Support in Ukraine and Russia under the Rules of the WTO
   Lars Brink
   172

18 Accession of KRU to the WTO: The Effect of Tariff Reductions
   on KRU and International Wheat Markets
   Saule Burkitbayeva and William A. Kerr
   183

19 Wheat Export Restrictions in Kazakhstan, Russia and Ukraine:
   Impact on Prices along the Wheat-to-Bread Supply Chain
   Linde Götz, Ivan Djuric and Thomas Glauben
   191

PART V

20 Agricultural Land Policy of Ukraine: State Legislation
   and Efficiency Analysis
   Olga Murova
   204

21 Dynamics of Agricultural Production and Land Use
   in Post-Soviet Ukraine
   Denys Nizalov, Suzanne Thornsbury, Scott Loveridge,
   Mollie Woods and Olha Zadorozhna
   215
22 Competitive Analysis of Pulse Production in Russia, Ukraine and Kazakhstan 228
Marlene Boersch and Sandra Kirby

23 Evaluating the Economic Efficiency of Subsidies Based on the Basic Output Equations for Agricultural Enterprises in the North-western Regions of Russia 238
David Epstein

Index 249