

CONTENTS OF VOLUME 60

Vol. 60 Nos. 1–2 September I,II 2003

Special Issue

ISSUES IN THE IMPACTS OF CLIMATE VARIABILITY AND CHANGE ON AGRICULTURE

Applications to the southeastern United States

Guest Editor

LINDA O. MEARNS

- LINDA O. MEARNS / Issues in the Impacts of Climate Variability and Change on Agriculture. *Applications to the southeastern United States. Guest Editorial* 1–6
- L. O. MEARNS, F. GIORGI, L. McDANIEL and C. SHIELDS / Climate Scenarios for the Southeastern U.S. Based on GCM and Regional Model Simulations 7–35
- E. A. TSVETSINSKAYA, L. O. MEARNS, T. MAVROMATIS, W. GAO, L. McDANIEL and M. W. DOWNTON / The Effect of Spatial Scale of Climatic Change Scenarios on Simulated Maize, Winter Wheat, and Rice Production in the Southeastern United States 37–71
- GREGORY J. CARBONE, WILLIAM KIECHLE, CHRISTOPHER LOCKE, LINDA O. MEARNS, LARRY McDANIEL and MARY W. DOWNTON / Response of Soybean and Sorghum to Varying Spatial Scales of Climate Change Scenarios in the Southeastern United States 73–98
- RUTH M. DOHERTY, LINDA O. MEARNS, K. RAJA REDDY, MARY W. DOWNTON and LARRY McDANIEL / Spatial Scale Effects of Climate Scenarios on Simulated Cotton Production in the Southeastern U.S.A. 99–129
- RICHARD M. ADAMS, BRUCE A. McCARL and LINDA O. MEARNS / The Effects of Spatial Scale of Climate Scenarios on Economic Assessments: An Example from U.S. Agriculture 131–148
- WILLIAM E. EASTERLING, NETRA CHHETRI and XIANZENG NIU / Improving the Realism of Modeling Agronomic Adaptation to Climate Change: Simulating Technological Substitution 149–173
- ALBERT J. PETERS, LEI JI and ELIZABETH WALTER-SHEA / Southeastern U.S. Vegetation Response to ENSO Events (1989–1999) 175–188



- RICHARD W. KATZ, MARC B. PARLANGE and CLAUDIA TEBALDI /
Stochastic Modeling of the Effects of Large-Scale Circulation on Daily
Weather in the Southeastern U.S. 189–216

Vol. 60 No. 3 October 2003

- TIMOTHY D. MITCHELL / Pattern Scaling. *An Examination of the
Accuracy of the Technique for Describing Future Climates* 217–242
- DAVID G. VAUGHAN, GARETH J. MARSHALL, WILLIAM M.
CONNOLLEY, CLAIRE PARKINSON, ROBERT MULVANEY,
DOMINIC A. HODGSON, JOHN C. KING, CAROL J. PUDSEY and
JOHN TURNER / Recent Rapid Regional Climate Warming on the
Antarctic Peninsula 243–274
- B. M. WOTTON, D. L. MARTELL and K. A. LOGAN / Climate Change
and People-Caused Forest Fire Occurrence in Ontario 275–295
- RUDOLF BRÁZDIL, HUBERT VALÁŠEK and JARMILA MACKOVÁ /
Climate in the Czech Lands during the 1780s in Light of the Daily
Weather Records of Parson Karel Bernard Hein of Hodonice (South-
western Moravia): Comparison of Documentary and Instrumental Data 297–327
- N. R. RIGOZO, L. E. A. VIEIRA, E. ECHER and D. J. R. NORDEMANN /
Wavelet Analysis of Solar-ENSO Imprints in Tree Ring Data from
Southern Brazil in the Last Century 329–340
- Volume Contents 341–342
- Author Index 343