

# Climate Change and Agriculture: Analysis of Potential International Impacts

ASA Special Publication Number 59

The threat of global climate change due to the "greenhouse effect" is one of today's major environmental concerns. Fossil fuel combustion and forest clearing have already increased the carbon dioxide content of the atmosphere by some 25 percent. Other radiatively active trace gases, such as methane, nitrous oxide, and synthetic chlorofluorocarbons, have also been increasing in concentration.

Agriculture everywhere is involved in the issue of climate change both as a possible contributor of greenhouse gases to the atmosphere and as an industry that is highly sensitive to climatic variables. The future of food production as well as global food security may depend on the stability and predictability of climate and on the ability of farmers to adapt their practices to changing conditions. Hence the importance of conducting systematic interdisciplinary and international studies—such as those covered in this publication.

*Climate Change and Agriculture: Analysis of Potential International Impacts.* Cynthia Rosenzweig, Joe T. Ritchie, James W. Jones, Gordon Y. Tsuji, and Peter Hildebrand, editorial committee. Published by the Soil Science Society of America, American Society of Agronomy, and Crop Science Society of America. ASA Special Publication Number 59. Softcover, 382 pages, 1995. ISBN 0-89118-126-1. Price: \$34.00 (members' first copy: \$28.00).

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Edited by G.F. Sprague and J.W. Dudley. Published by the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America. Agronomy Monograph Number 18, Third Edition. Hardcover, 986 pages, 1988. Price: \$66.00 (members' first copy: \$53.00)

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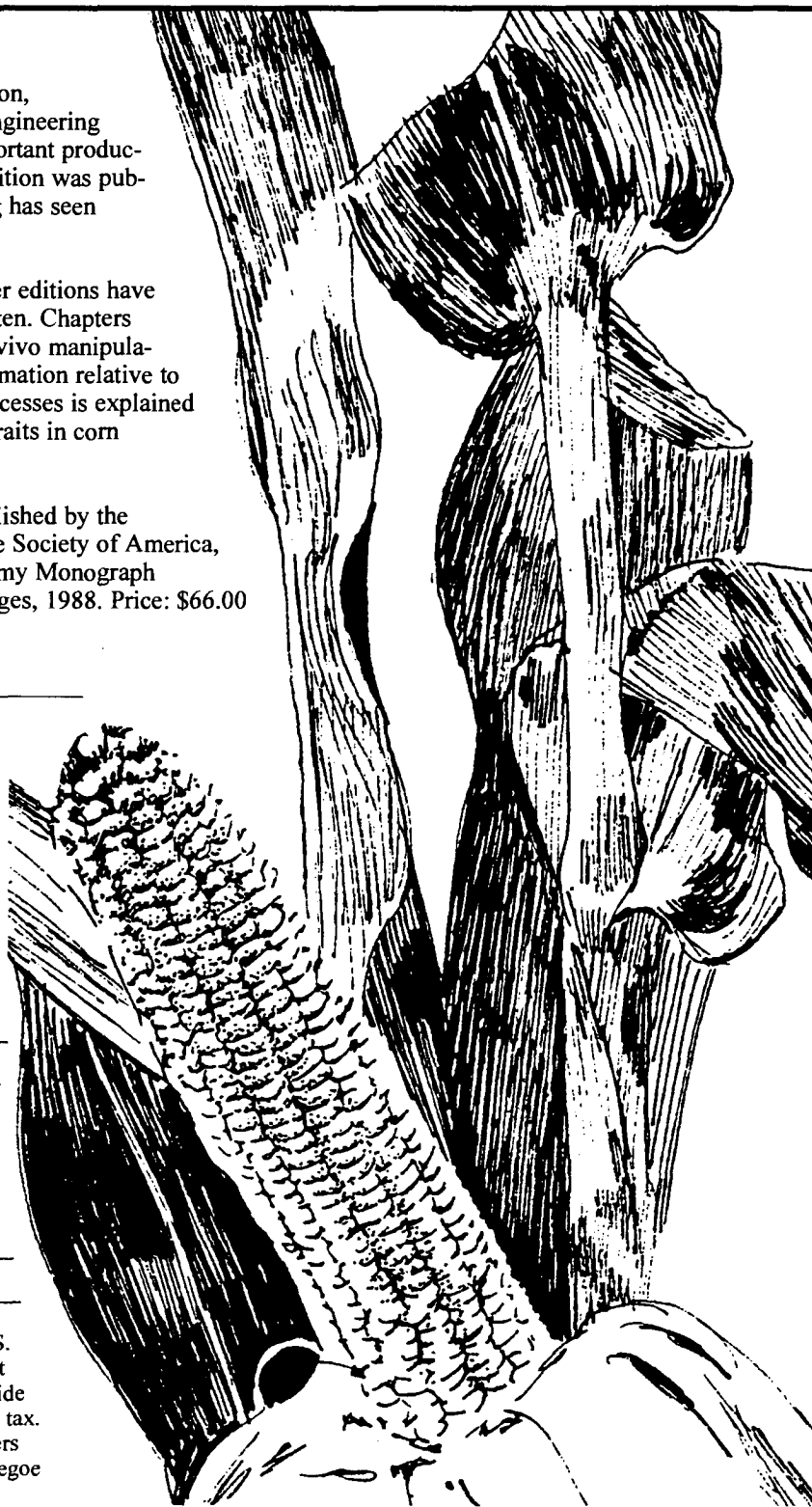
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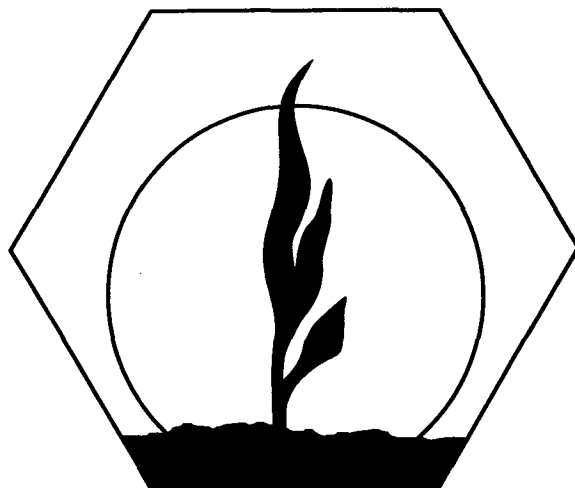
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