



Symposium Call for Papers
265th American Chemical Society National Meeting
March 26-30, 2023
Indianapolis, Indiana USA

***Midwest Row Crop Revolution: Agrochemistry State of Affairs
after a Quarter-Century of Biotech-Enabled Agriculture***

Purpose of Symposium

The introduction of genetically modified row crops to the Midwestern U.S. and Southern Canada some 25 years ago signaled the beginning of a new agronomic era. Dramatic changes in agricultural practices, including those related to pest management and agrochemical use, have accompanied the widespread adoption of corn and soybean varieties with tolerance to non-selective herbicides and resistance to above- and below-ground insect pests. Currently, more than 90 percent of North American corn and soybeans are produced using such genetically modified varieties.

The purpose of this symposium is to bring together experts from academia, industry, government, and advocacy groups to share data and insights regarding the impacts this Midwest row crop revolution has had on agriculture, environmental quality, human well-being, and the agrochemical enterprise. In addition, implications of how current agrochemical, biotech, and agronomic trends may impact the future will be debated, and perspectives will be invited as to the most desirable options support the drive toward increased sustainability.

Suggested Topics

- Changes in integrated pest management practices and agrochemical use patterns
- Implications for agrochemical and seed research and development efforts
- Weed resistance and management experiences
- Considerations related to sustainability, conservation management, and ecosystem services
- Transport of pesticides and nutrients and significance for land, water, and air quality
- Human exposure considerations, including food residue standards and impact on trade
- Ecological impact trends, including biodiversity, pollinator health, and endangered species populations
- Best management practices to minimize impacts of agrochemistry in the Midwest region
- Evolving grower and consumer perspectives toward agriculture, agrochemicals, and biotechnology
- Changes in regulation of agrochemicals and seeds
- Evolutionary and/or revolutionary changes anticipated for the coming quarter century

For further information, contact the organizers

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Submit abstracts of 2500 characters or less to <http://maps.acs.org>

During the period August 15 – October 17, 2022