



2021 WSSA Standing Committee Report

Committee Name and Code: Environmental Aspects of Weed Management Committee (E8)

Committee Chair: Vipin Kumar

Committee Members (includes sub-committee members):

Andrew Kniss, Mayank Malik, Misha Manuchehri, Travis Legleiter, Zahoor Ganie, Lindsay Haines, Rakesh Jain, Anil Shrestha, Atul Puri, Greg Dahl

Board of Directors Liaison: Lynn Sosnoskie

Committee members rotating off and recommended replacements:

Members rotating off: None

Continuing member: Andrew Kniss

Summary of past year's activities including:

- Committee goals
 - a) Symposium topics for consideration:
 - Several symposia topics were identified and discussed among committee members in the annual meeting. Topics included pesticides effects on non-target species including honey bees and moths, contribution of herbicides in atmospheric pollutants, impact of atmospheric herbicide pollutants on monarch butterfly and common milkweed. Consensus were made to propose a symposium request to BOD with titled “Measuring and Modelling the Environmental Impacts of Pesticide Use” for 2023 annual weed science meeting at Arlington, VA.
 - b) Possible review article for consideration:
 - A possibility of putting together a review article on research methods used in quantifying environmental impacts of weed management on non-target species was discussed. A consensus was made to come up with table of content for this review article and seeks volunteer participation from committee members and others to contribute.

c) Key research priorities and possible funding:

- To identify key research areas and possible funding. Key priority areas that were discussed included dicamba in atmosphere through physical and vapor drift, drone applications in understanding herbicide pollution in atmosphere, and buffer zones requirements in weed control.

- Committee accomplishments

The committee had decided to propose a request for symposium on “Measuring and Modelling the Environmental Impacts of Pesticide Use” BOD for 2022 annual WSSA meeting in Vancouver. However, the framework of putting together specific topics with possible speakers invite was not executed in a timely manner to meet the deadline of proposal submission. The potential impact of this symposium in 2023 WSSA meeting at Arlington vs. Vancouver was also weighed out for delaying this symposium proposal request.

- Impact of committee activities/accomplishments on membership, publications, policy, education, other, etc.

The committee had slow activities in the past year and none of the aforementioned goals were fully accomplished.

- WSSA funds requested if any?

No funds were requested.

- Current state of the committee’s projects or activities?

-We are putting together a slate of potential speakers with specific topics that will be used in proposal request for symposium in 2023 annual meeting.

-We are also sorting out the table of content for a review article on research methods used in quantifying environmental impacts of weed management.

- Any new information posted on the WSSA website?

None

Summary of plans for next year (changes in goals, key initiatives, plan of action, etc.)

The committee will be exploring the possibility of conducting symposium on “Measuring and Modelling the Environmental Impacts of Pesticide Use” in 2023 annual weed science

meeting at Arlington, VA. The committee also plan to put together a review article on “Research methods used in quantifying environmental impacts of weed management”

Recommendations for Board or Membership action (funds or other requests):

No recommendation