



WSSA Standing Committee Report

Committee Name and Code: **Weed Loss Committee (E11)**

Committee Chair: Michael Flessner (2026)

Committee Members: Nicholas Basinger (2028), Zahoor Ganie (2028), Marty Williams (2028), Christopher Landau (2028), Thierry Besancon (2028), Annu Kumari (2028), Albert Adjewor (2027), Rui Liu (2027), Anita Dille (2026), Mark VanGessel (2026), Joel Felix (2026), Michael Flessner (2026 - Chair), Charles Geddes (2026), Sandeep Rana (2026), Nicholas Basinger (2025)

Board of Directors Liaison: Peter Dotray

Committee members rotating off and recommended replacements:

- Rotating off: none
- Reappointments: Zahoor Ganie (2025 now 2028), Nicholas Basinger (2025 now 2028)
- Replacements or additions confirmed: Marty Williams (2028), Christopher Landau (2028), Thierry Besancon (2028), Anu Kumari (2028)

Summary of past year's activities including:

- Committee goals
 1. Flessner is leading assembling the data on the impact of herbicide-resistant weeds in corn, soybean and cotton in the USA for publication in *Weed Technology* – target completion: 2024.
 2. Yield and monetary loss due to waterhemp/Palmer amaranth (Dille/Geddes - 2024)
 3. Potential yield loss due to weeds in cotton (Rana/Everman/Basinger - 2024)
 4. Potential yield loss due to weeds in vegetables (snap beans, tomatoes, sweet corn, greens) (Ganie/Rana/VanGessel/Soltani - 2024)
 5. Potential yield loss due to glyphosate-resistant weeds in Manitoba, Saskatchewan and Alberta (Geddes – 2024)
- Committee accomplishments
 - Goal 1: Meetings were held leading to a draft manuscript and figures. We expect this publication to be submitted to *Weed Technology* in 2025.
 - Goal 2: Outlined “how to” document for a systematic or meta analysis type review for weed species specific manuscripts.
 - Plan to give these guidelines a try with “Yield and monetary loss due to waterhemp/Palmer amaranth” manuscript first and revise as needed
 - Goal 3: Manuscript progress has stalled. New member Annu Kumari is willing to take the lead.
 - Goal 4: Data acquisition is complete. It is missing some key states, but at this point we need to

- move forward with the data we have. New member Theirry Besancon is willing to help out.
- Goal 5: Data acquisition complete. Writing needs to take place. Target completion in 2025.
- Impact of committee activities/accomplishments on membership, publications, policy, education, other, etc.

The Committee has been actively publishing in *Weed Technology* since 2016:

Year published	Citations*	Title	Doi
2016	238	Potential corn yield losses from weeds in North America.	https://doi.org/10.1614/WT-D-16-00046.1
2017	99	Perspectives on soybean yield losses due to weeds in North America.	https://doi.org/10.1017/wet.2016.2
2018	68	Potential yield loss in dry bean due to weeds in the United States and Canada.	https://doi.org/10.1017/wet.2017.116
2018	37	Potential yield loss in sugar beet due to weed interference in the United States and Canada.	https://doi.org/10.1017/wet.2018.88
2020	32	Potential yield loss in grain sorghum with weed interference in the United States.	https://doi.org/10.1017/wet.2020.12
2021	51	Potential wheat yield loss due to weeds in the United States and Canada.	https://doi.org/10.1017/wet.2021.78
2022	16	Economic impact of glyphosate-resistant weeds on major field crops in Ontario.	https://doi.org/10.1017/wet.2022.72
2022	3	Potential spring canola yield losses due to weeds in Canada and the United States.	https://doi.org/10.1017/wet.2022.88
2023	11	Potential potato yield loss from weed interference in the United States and Canada.	https://doi.org/10.1017/wet.2023.5

*according to Google Scholar as of Feb. 1, 2025.

- WSSA funds requested if any? No funds are requested at this time. We anticipate publications fees in *Weed Technology* will be covered through lead authors' institution Transformative Agreement with Cambridge University Press.
- Current state of the committee's projects or activities? See "Committee accomplishments" above.
- Any new information posted on the WSSA website? None at this time.

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

Goals for 2025: We hope to submit the following manuscripts for publication in *Weed Technology* in 2025:

1. Impact of herbicide-resistant weeds in corn, soybean and cotton in the US (Flessner/Basinger/Ganie/Burke)
2. Yield and monetary loss due to waterhemp/Palmer amaranth (Dille/Geddes)

3. Potential yield loss due to weeds in cotton (Kumari/Rana/Everman/Basinger)
4. Potential yield loss due to weeds in vegetables (snap beans, tomatoes, sweet corn, greens) (Besancon/Ganie/Rana/VanGessel/Soltani - 2025)
5. Potential yield loss due to glyphosate-resistant weeds in Manitoba, Saskatchewan and Alberta (Canadian prairies) (Geddes – 2025)

Recommendations for Board or Membership action (funds¹ or other requests): no requests.