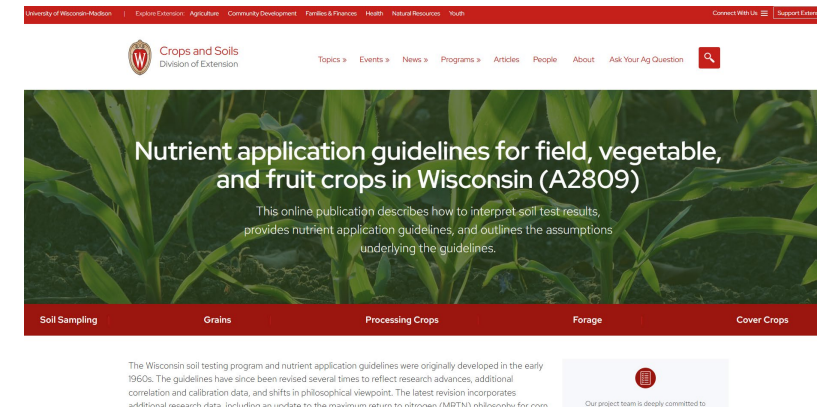
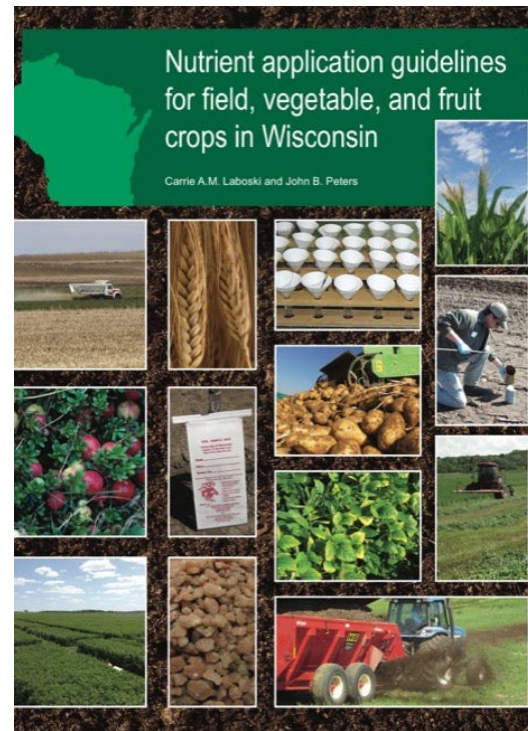


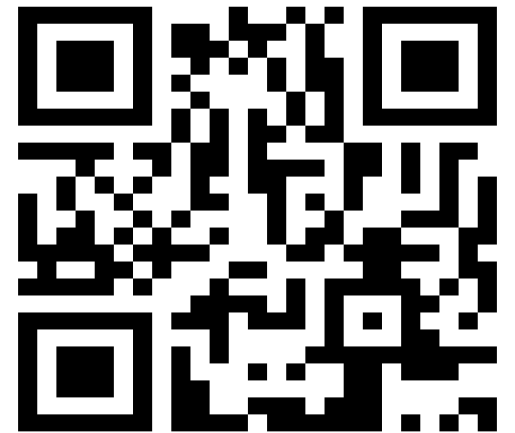
Updating A2809: How is it going?

Natasha Rayne, Matt Ruark,
John Jones, Laura Ward- Good,
Hava Blair, Francisco Arriaga,
Megan Sankey



Strategy

- Format that allowed for modular updates (crop specific)
- Organize and compile data in databases
- Document how recommendations were developed
- Identify areas of priority and gaps in knowledge with stakeholders



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Strategy

- Main **team**

- Roll out modules for which we have data

- **Sub-teams**

- Nitrogen recs for **corn** (MRTN)- compile and analyze data
 - P&K recs **corn** and **soybean**- interpreting recent data, documentation
 - Manure N Credits in **corn**- review research in Mid-West, develop database and research
- Content formatting and transfer (NPM staff)

Listening Sessions

Listening sessions as part of regional nutrient management update meetings

- Nitrogen Recommendations
- Manure
- Nutrient recommendations for or following cover crops & forages
- General concerns nutrients recommendations/A2809





Content

Nitrogen

- Change in NUE over time
- Hybrids and N recs
- Effect of weather (wet vs dry years)
- MRTN
- Stalk nitrate test



Content

Manure

- Manure in no-till systems and nutrient availability
- Processed manure (compost, anaerobic digestate)
- Manure bedding and N availability
- Timing of application (fall, spring, and winter) and availability
- Applying manure into a living crop and nutrient dynamics

Content

Cover Crops and Forages

More information on NPK recs for covers and forages

Cover crop termination timing and impact on N

Manure credits in forages/forage mixes

Credits from forage mixes and nutrient needs for these mixes



Groff, 2015

Content

General

- More in-season decision tools
- Accounting for N in irrigation
- Recommendations secondary and micronutrients
- Better guidance on use of PSNT to make mid-season adjustments
- Format should be easier to navigate

A2809

- Compile data and re-analyze
- Develop new research

Outreach material

- A need to explain concepts

Timeline

Team of faculty/staff starts meeting regularly:
March 2024

Design and development of website starts: May
2024 (ongoing)

Listening sessions: August-September 2024

Start building corn N database: November 2024
(ongoing)

Soft launch website: January 2025

Timeline

~ 8 months of feedback

~10 months of converting text A2809 (2012) to crop specific modules

~36 months of working on chapters

- N in corn (including manure N credits)
- P&K corn and soybean
- Snapbean

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