

North Central Region STAR Report January 10, 2022







What is STAR?

- Farmer-led, simple, FREE tool
- Locally identified resource concerns
- Based on practices on individual fields
- Local technical assistance



STAR News

STAR Annual Report

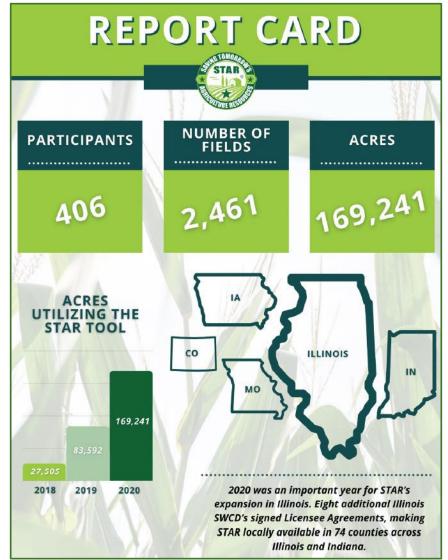
New staff in February:

- STAR Operations Manager
- IL STAR Coordinator

PILOT INCENTIVE PROGRAM - PfP



STAR Web Application
STAR Expansion



STAR Web Application & API



For the Farmer

- Smart phone, tablet, or computer friendly
- Simple field form entry
- Immediate STAR Rating & Report
- Customized field Improvement Plan
- Connection with local technical assistance

For the Partner

- Application Programming Interface (API) connections (PCM, MyFarm, Bunge's Centerfield, John Deere)
- Data management and protection
- Outcomes & metric reporting



STAR Expansion



Interested states:

Minnesota Wisconsin Indiana

Ohio Michigan Arkansas

Utah Maryland Delaware

Arkansas South Dakota Massachusetts

Colorado connections: Regional?

Wyoming Montana

New Mexico Washington

Nebraska



STAR for Grazing Lands

- Assessment is focused on the process of decision-making and incentivizes 1) Planning, 2) Monitoring, and 3) Adaptive decision-making
- Consistent with the STAR goal of rewarding producer effort
- Unlike croplands, grazing lands and operations are too diverse to assess based on practices
- Major sections:
 - 1. Management plan
 - 2. Grazing Plan
 - 3. Record Keeping
 - 4. Drought Management Plan
 - 5. Drought Preparedness & Response
 - 6. Monitoring
- Developed by a committee of rangeland specialists from USDA NRCS & ARS, CSU Extension & Soil Scientists, state agencies, consultants, and producers with additional feedback from >10 producers



Collaboration & Support

NACD

- ✓ Support via education and promotion
- ✓ Seeking active collaboration & alignment with existing programs

STAR Complements Programs

- **★** Gathers information
- ★ Provides roadmap
- **★** Pays for use of good practices



Next Steps

STAR can be the basis of rewarding those already doing conservation

FSA should collect from farmers their practices – on a voluntary basis!

NACD resolution?



Questions?







@STARfreetool



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STARfreetool.com





Who does STAR Benefit?

CONSERVATION PROFESSIONALS



FARMERS & RANCHERS



INDUSTRY PARTNERS



- Benchmarks progress towards local environmental and conservation goals
- Entry point to engage farmers in soil health and conservation planning
- Quick and confidential self-assessment
- Road map to increase farm resiliency and soil health
- Connect with conservation professionals
- Simple tool to document continuous improvement and provide client recognition
- Creation of common language across supply chain

Evaluation

"If you can't measure it, you can't improve it." - Peter Drucker Farmer/Owner Information: 1. Name: Steve	Sampled every 4 years or less Syring or Summer sampled Fall sampled GPS sampled (by gri dor zone) Almost done. The next category is tillage practices broker 3.3 Fall Tillage- Starting after harvest of the 2020 crops: Almost done. The next category is tillage practices broker 3.3 Fall Tillage- Starting after harvest of the 2020 crops: Any full width operation and no other tillage practices broker Strip tillage or low disturbance fertilizer toolbar Strip tillage or low disturbance fertilizer toolbar Strip tillage or low disturbance fertilizer toolbar Any full width operation and covereding a 3" depth Any full width operation on soybean stubble 14. Spring Tillage- 2021 field operations: No tillage or low disturbance fertilizer toolbar Strip tillage or Strip fresher or non-HEI, field, or shank type fer Any full width operation, limited to a single pass, where pof all till operation, one or more passes, where fall tillage y friendly: If field; If that reduces sheet/fill crosion to "to conducted" If the strip tillage or strip fresher or non-HEI, field, or shank type fer have to present the strip tillage or strip fresher or non-HEI, field, or shank type fer have been consumed to single pass, where fall tillage y friendly: If the strip tillage or strip fresher or non-HEI, field, or shank type fer tillage or strip fresher or non-HEI, field, or shank type fer tillage or strip fresher or non-HEI, field, or shank type fer tillage or strip fresher or non-HEI, field, or shank type fer tillage or strip fresher or non-HEI field, or shank type fer tillage or strip fresher or non-HEI field, or shank type fer tillage or strip fresher or non-HEI field, or shank type fer tillage or strip fresher or non-HEI field, or shank type fer tillage or strip fresher or non-HEI field, or shank type fer tillage or strip fresher or non-HEI field, or shank type fer tillage or strip fresher or non-HEI field, or shank type fer tillage or strip fresher or non-HEI field, or shank type fer tillage or strip fresher or non-HEI field	Discussion: With numerous possibilities for soil prepara we elected to keep the aptimise fairly simple. Not illage and tillage are easily definable. Full-with tillage can be trick the fall, focus on the depth of machine operation and also if sophean residue was tilled. In the spring, how many pawer made and was fall tillage performed? Trillizer bar, and no other Spring tillage lillage was performed gage was performed was performed component of your overall score. Like tillage, we periods. A third section reviews activities that mariewed. 16. Nutrient Management (March 1stSummer and No no prior Fall 2020-February 2021 Nitrogen each No in the periods. A third section reviews activities that mariewed. Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of the total N Program (from all source) Spring/Summer nitrogen application(s) amounted 50% - 74% of
Windbreak Now let's establish a crop history for this field.	So degrees, and amounted to no more than 50% of the cotal Nitrogen applied on come than 50% of the cotal Nitrogen applied on come than 50% of the cotal Nitrogen applied. The properties of the solid Injected or applied and incorporated when sol temperature was below 30 degrees. Manure/Biosolid Injected or applied and incorporated when sol temperature was below 30 degrees. Manure/Biosolid Injected or applied and incorporated when sol temperature was below 30 degrees. Manure applied, not incorporated when sol temperature was below 30 degrees. Manure applied, not incorporated when sol temperature was below 30 degrees. Manure properties Manure prop	Spring/Summer nitrogen application(s) amounted least 75% of the total N Program (from all sources)
6/30/2021 Edit IL STAR – Saving Tomorrow's Agriculture Resources	Page 1 of 2	

- 1. Simple Field Form completed for given crop year (CY 2021 = July 1, 2021 until January 31, 2022)
- 2. Points assigned for each practice
- 3. Summary of points convert to a STAR Rating of 1-5 STARs



STAR Structure – Who Implements STAR?

Licensees

- County SWCD's
- Licensee agreement
- Local technical assistance

State affiliates implement STAR statewide according to local resource concerns

Memorandum of Understanding







What is possible with Illinois STAR?

STAR Web App

Ability to tag to projects/partners

Efficient outcomes generation

Conservation planning road map

Pay for Performance (PfP) framework developed

Enhanced partnerships with public and private entities



What's NEW for STAR?

Boring... but Necessary:

Policies and procedures for protecting data

Not-for-Profit startup

Sustainable Funding Model

What else is NEW for STAR?

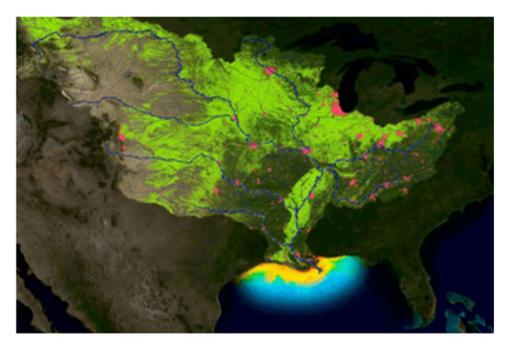
Progressive Web Application

Pay for Performance

Conservation Drivers

STAR at NACD in Chicago







Why was STAR created?

- Illinois Nutrient Loss Reduction Strategy of 2015
- Two concerned farmers
- Voluntary solution to local natural resource concerns

Why does STAR exist?



EASY, FIELD-LEVEL SELF-ASSESSMENT



INFORMED BY LOCAL RESEARCH



ROADMAP TO DECREASE NUTRIENT AND SOIL LOSS



RECOGNITION FOR CONSERVATION PRACTICES



CONNECTION TO LOCAL TECHNICAL ASSISTANCE

