Leaving the Land Better: Measuring your Impact

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Saturday, January 19, 2019
2:30-3:40 pm

PRACTICAL FARMERS OF IOWA
2019 ANNUAL CONFERENCE
AMES, IA
Tesdell farm fact sheet shows current practices.
My wish list is a comprehensive tool kit of measurements that includes

- water quality data (ISA),
- erosion data (SoilCalculator),
- soil health data (Haney),
- yield (yield monitor),
- drone cover crop health data (Heartland Coop),
- and direct observations (CC, soil temps, wildlife counts, prairie plant identification),
- and, of course, PEWI
Using PEWI to simulate Tesdell Century Farm. Our goal is the Ecosystem Services Indicator.

- 60 acres row crop
- 20 acres hay, prairie strips, CRP, waterway

What does the ESI tell us?
7 modules in PE/WI → 16 ES indicators

- Biodiversity
- Game Wildlife
- Carbon Sequestration
- Nitrate
- Phosphorus
- Erosion & Sedimentation
- Yield
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