Coalition on Agricultural Greenhouse Gases

Arlington, VA
October 10, 2018
Field to Market: The Alliance for Sustainable Agriculture focuses on defining, measuring and advancing the sustainability of commodity crop production in the United States
1. Reduce GHG emissions across value chain by 25% by 2020
2. Reduce GHG emissions across value chain by 28% by 2025
3. Halve the GHG impact of products across the lifecycle by 2020
4. Fertilizer optimization on 14 Million acres of U.S. farmland by 2020
Guiding Principles

- Engage the full supply chain including producers
- Focus on commodities crops with unique supply chains and traceability issues
- Science based
- Outcomes based
- Technology neutral
- Commitment to individual grower data privacy
- Emphasis on continuous improvement
- Measure broad-scale trends and field-scale outcomes
Supply Chain Sustainability Program

Benchmarking Sustainability Performance

Catalyzing Continuous Improvement

Enabling Sustainability Claims

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Supply Chain Sustainability Program: Benchmarking Sustainability Performance
National Indicators Report

- Released in December 2016
- New in Third Edition
  - Include barley, corn silage, peanuts and sugar beets for the first time
  - Include discussion of trends for biodiversity, soil carbon and water quality
- Available from: www.fieldtomarket.org/report
**Fieldprint® Platform**

A free and confidential tool to explore relationships between management practices and sustainability outcomes

- Helps growers evaluate their farming decisions in the areas of:
  - Biodiversity (Piloting)
  - Energy use
  - Greenhouse gas emissions
  - Irrigated water use
  - Land use
  - Soil carbon
  - Soil conservation
  - Water quality
- Farmers can save their information and compare the environmental impact of different management decisions on their operation
Version 3.0
More Crops & Feed Pathways

Sustainability analysis now available for 11 crops, including three new row crops and two new feedstuffs

- Alfalfa
- Barley
- Corn for Grain
- Corn Silage
- Cotton
- Peanuts
- Potatoes
- Rice
- Soybeans
- Sugar Beets
- Wheat
Better Science

Refined metrics to incorporate best available science

- **Greenhouse Gases**
  Nitrous Oxide (Phase 1) & Rice Methane Revisions

- **Energy Use**
  Better accounting for relative proportion of energy used

- **Biodiversity**
  Cultivated Land Habitat Potential Index (Phase 1)

- **Soil Conservation**
  Move to WEPP for improved soil erosion modeling
Filter table and map view by farm, field, crop and year to easily locate specific crop years.

Map view showing all fields and crops types.

Select fields on map and navigate to crop year dashboard.
View Fieldprint Results on Spidergram – now with Biodiversity

Expand and collapse each indicator area

Switch between crop years.

Toggle on / off State, National and Fieldprint Project benchmarks

Fieldprint Data per Indicator

Land Use

Soil Conservation
Breakdown of Fieldprint Results with comparisons for each indicator – to include charts and tables

Consistent presentation across indicators

Where applicable, see charts of indicator components
Qualified Data Management Partners

Two additional Qualified Data Management Partners in the pipeline pursuing integration after signed agreement.
52 Active Fieldprint® Projects Across More Than 30 States
Fieldprint Project Statistics

• **82 Fieldprint® Projects** across 32 states have been reported to Field to Market. More than 50 are currently active.

• **2,460,000 enrolled acres** in Field to Market Fieldprint® Projects through the Fieldprint Platform.

• **2,250 growers** have used the Fieldprint® Platform to measure their sustainability performance and document their continuous improvement journey.
NEW: Farmer-facing fact sheets

- Translate eight metrics into farmer-friendly terms; meant to be shared by Fieldprint Project Administrators with participating farmers
  - Land use
  - Soil erosion
  - Soil carbon
  - Water use
  - Energy use
  - Greenhouse gas emissions
  - Water quality
  - Biodiversity
Sustainability Programming for Ag Retailers and Crop Consultants (SPARC)

- The SPARC initiative is focused on equipping trusted farmer advisers with tools and resources to help farmers deliver continuous improvement in sustainability outcomes
SPARC Online Learning Modules

Hosted by the American Society of Agronomy and available free of charge in the CCA classroom this fall

• Sustainability 101
• Environmental Metrics of Sustainability
• Agronomic Practices that Support Sustainability
• Farmer Business Case
• Measuring Success
• Developing a Sustainability Program
Supply Chain Sustainability Program: Enabling Sustainability Claims
Enabling Supply Chain Sustainability Claims

**Participation:** Member in good standing

**Measurement:** Project level engagement with 1-4 years of data

**Impact:** Quantifying improvement over time with minimum 5 years of data
Harmonizing & Aligning With Other Standards
2018 Sustainable Agriculture Summit
November 14 – 15 | Denver, CO

www.SustainableAgSummit.org
Thank You
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