



Advancing livestock feed management through the National Animal Nutrition Program

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ABSTRACT

- Feed management integrates strategic diet planning and nutrient utilization to optimize animal productivity while minimizing nutrient losses and environmental impacts.
- The NANP Feed Management Committee (FMC), a collaboration between the USDA-NRCS and Texas A&M AgriLife Research, advances science-based feeding practices and producer-focused decision-support tools across livestock systems.
- The FMC supports collaboration among researchers, extension professionals, conservation planners, and industry stakeholders while providing education and training for NRCS personnel and livestock producers.
- Current and ongoing initiatives include extension publications, an interactive dietary fat inclusion tool, a podcast series, intelligent feed management decision trees, and specialized training programs.
- Collectively, these efforts aim to enhance feed efficiency, nutrient utilization, conservation outcomes, and the long-term sustainability of livestock production systems.

NANP AT A GLANCE

500K+	Observations on animal performance & metabolism
4M+	Feed ingredient records archived
300+	Modeling & statistics resources
30+	Peer-reviewed publications

- Workshops reached ~750 participants from five continents
- Materials viewed 3,000+ times
- Led by 31 scientists across 22 institutions with diverse species expertise

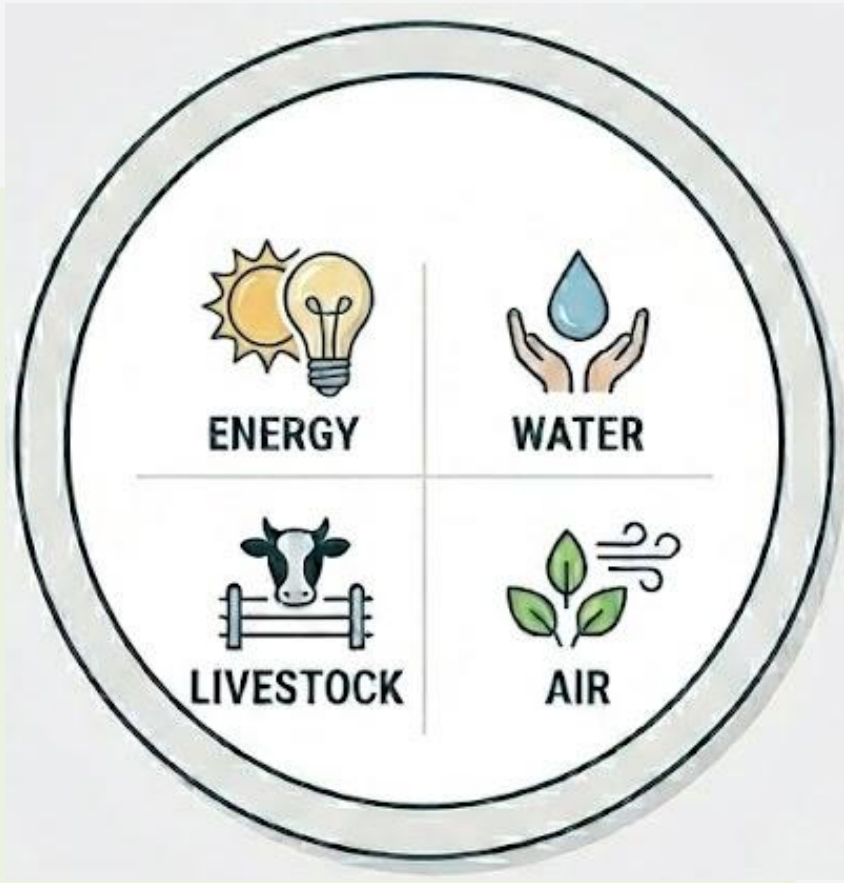
WHO WE ARE



WHAT WE DO

Focus	
• Science-driven Dialogue:	Create a platform for science-based discussions regarding feed management and animal nutrition
• Accessible Resources:	Provide user-friendly nutrition information specifically designed for conservation professionals to use in the field
• Evaluation Tools:	Contribute expert knowledge to improve and refine NRCS evaluation tools and modeling for livestock operations
• Targeted Training:	Provide education and training opportunities to ensure the adoption of best practices

Impact Areas	
• Livestock Producers:	Improved feeding decisions Enhanced nutrient efficiency Support for long-term sustainability
• Conservation & Extension Professionals:	Science-based decision-support tools Improved consistency in nutrient management planning

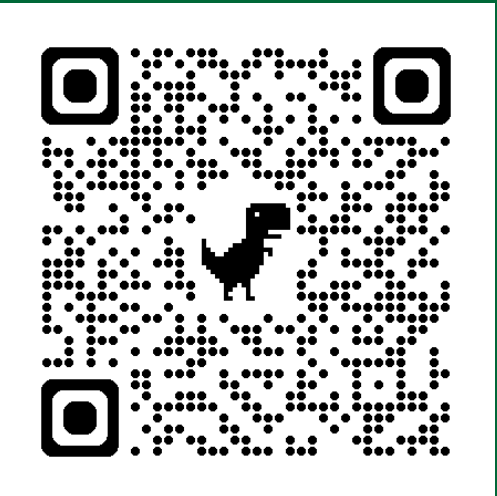


FUTURE WORK

- ### From Resources to Training and Implementation
- Diversify decision-support tools across livestock species
 - Improve podcast series to ensure value based upon consumer feedback
 - Publish additional extension articles for education and promotion of feed management
 - Develop training webinar for NRCS personnel and prospective Technical Service Providers



MORE INFO



animalnutrition.org



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FEED MANAGEMENT COMMITTEE



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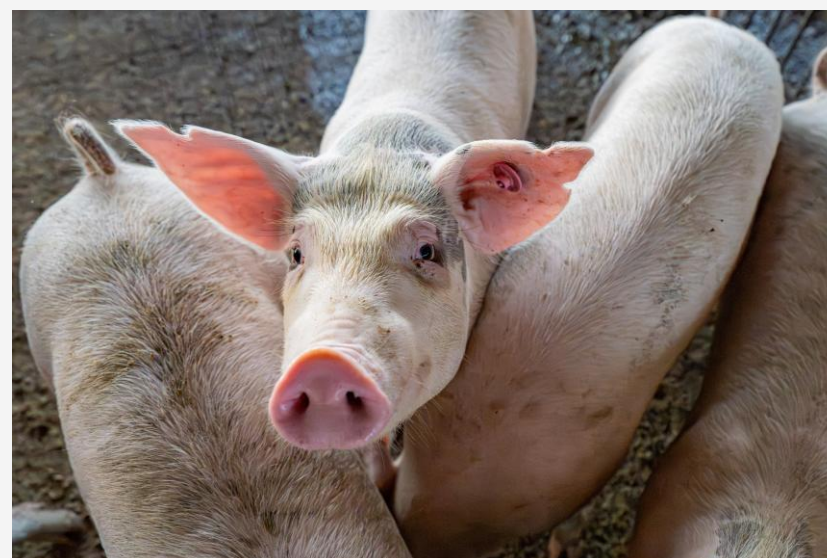
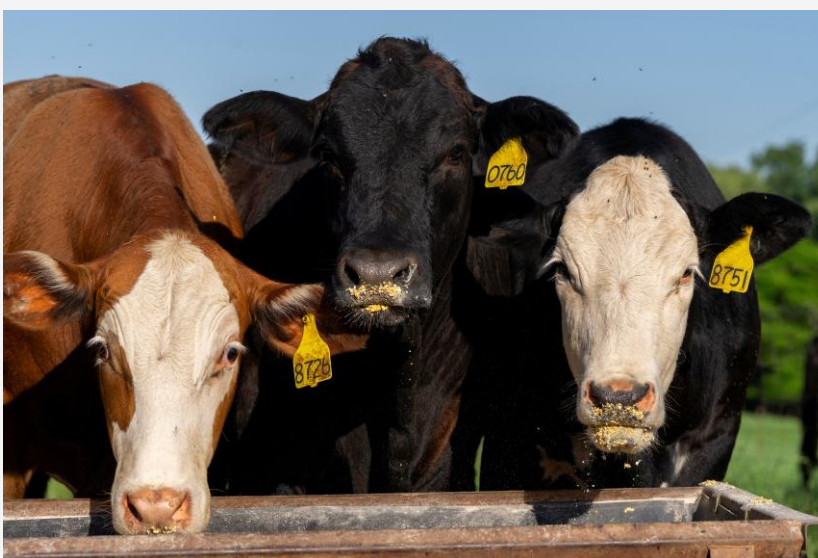
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MISSIONS

- The function of the Feed Management Committee (FMC) is to enhance the sustainability of livestock feeding practices by promoting the conservation of natural resources. Through the integration of cutting-edge research and fieldwork, the FMC aims to address natural resource concerns associated with livestock feeding management.

OBJECTIVES

- Facilitate science-driven dialogue on feed management.
- Provide accessible and user-friendly feed and animal nutrition information for conservation professionals.
- Deliver targeted education and training opportunities for various stakeholders.
- Contribute expertise to enhance NRCS evaluation tools and modeling.
- Serve as a forward-looking forum to address future needs in animal agriculture.





Science based. Data driven. Future focused.

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EXTENSION PUBLICATIONS



Feed Management for Efficient U.S. Livestock Systems: Introducing the National Animal Nutrition Program's Feed Management Committee

Connecting Nutrition and Conservation: The Importance of CPS 592

Animal Nutrition Program's Feed Management Committee: Feed to Gain Calculator - Fat Inclusion

Feed Management in a High-Data Livestock Industry

From One Decision to Many Outcomes: Why feed management decisions ripple through beef production systems



Read here!

PODCAST SERIES

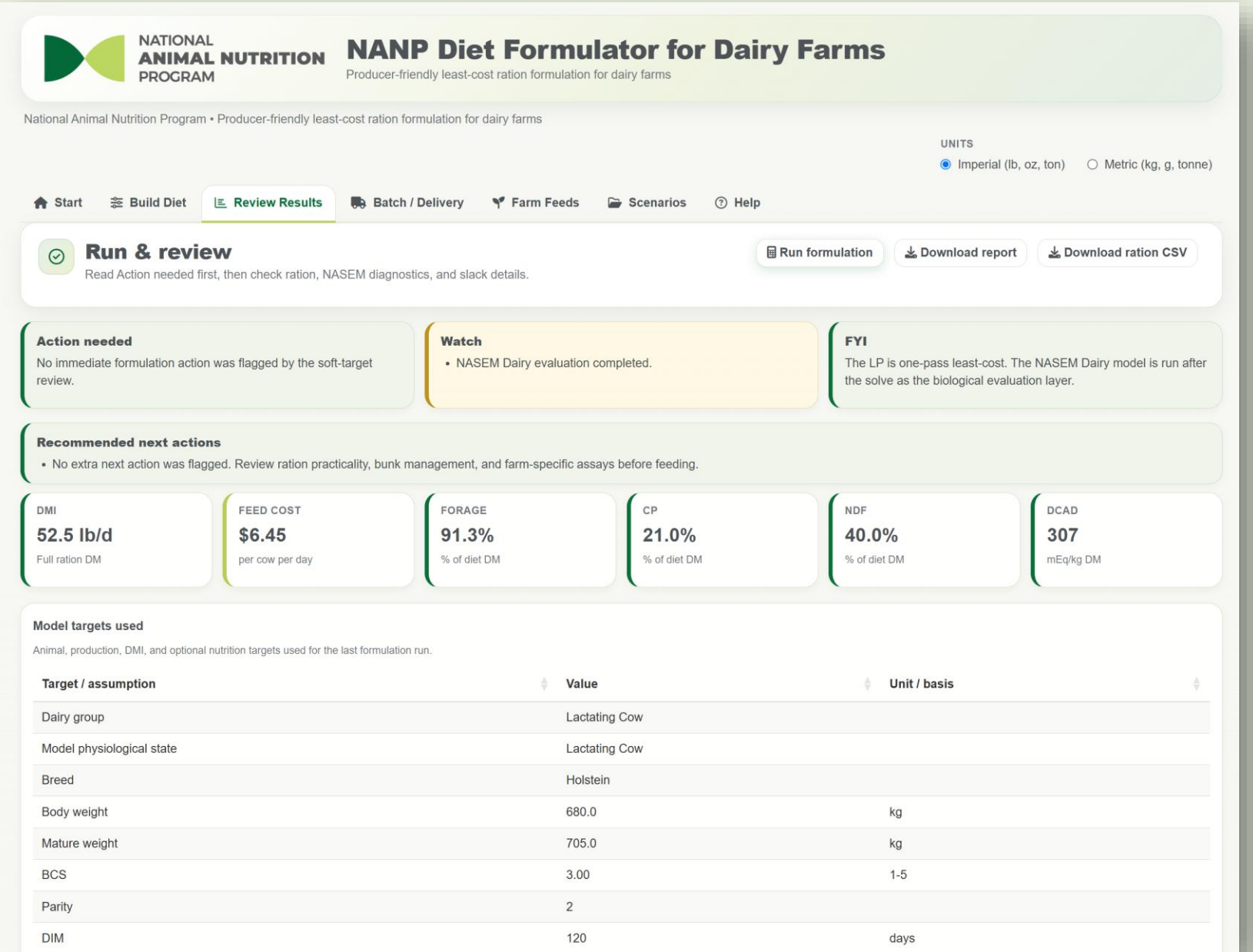
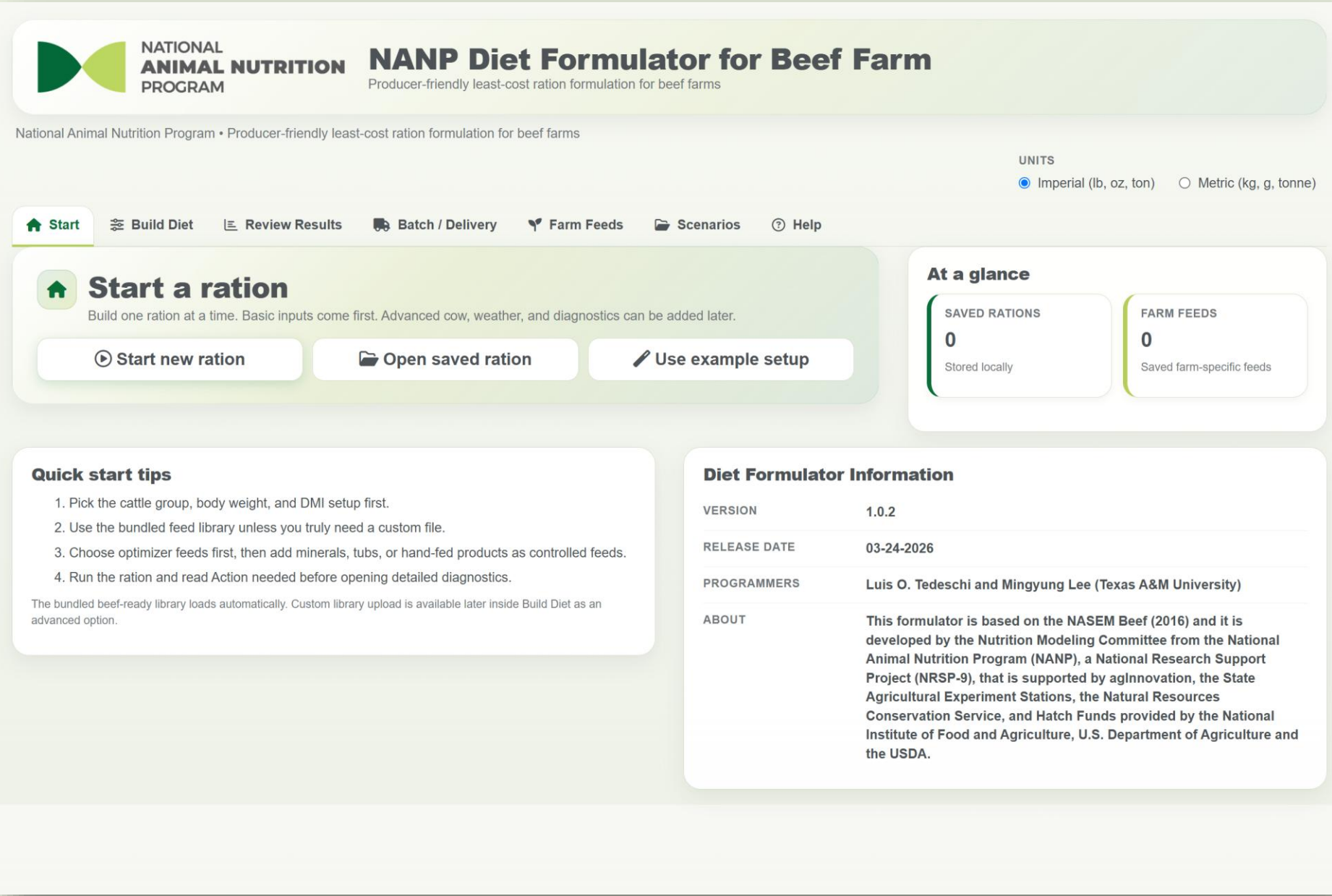
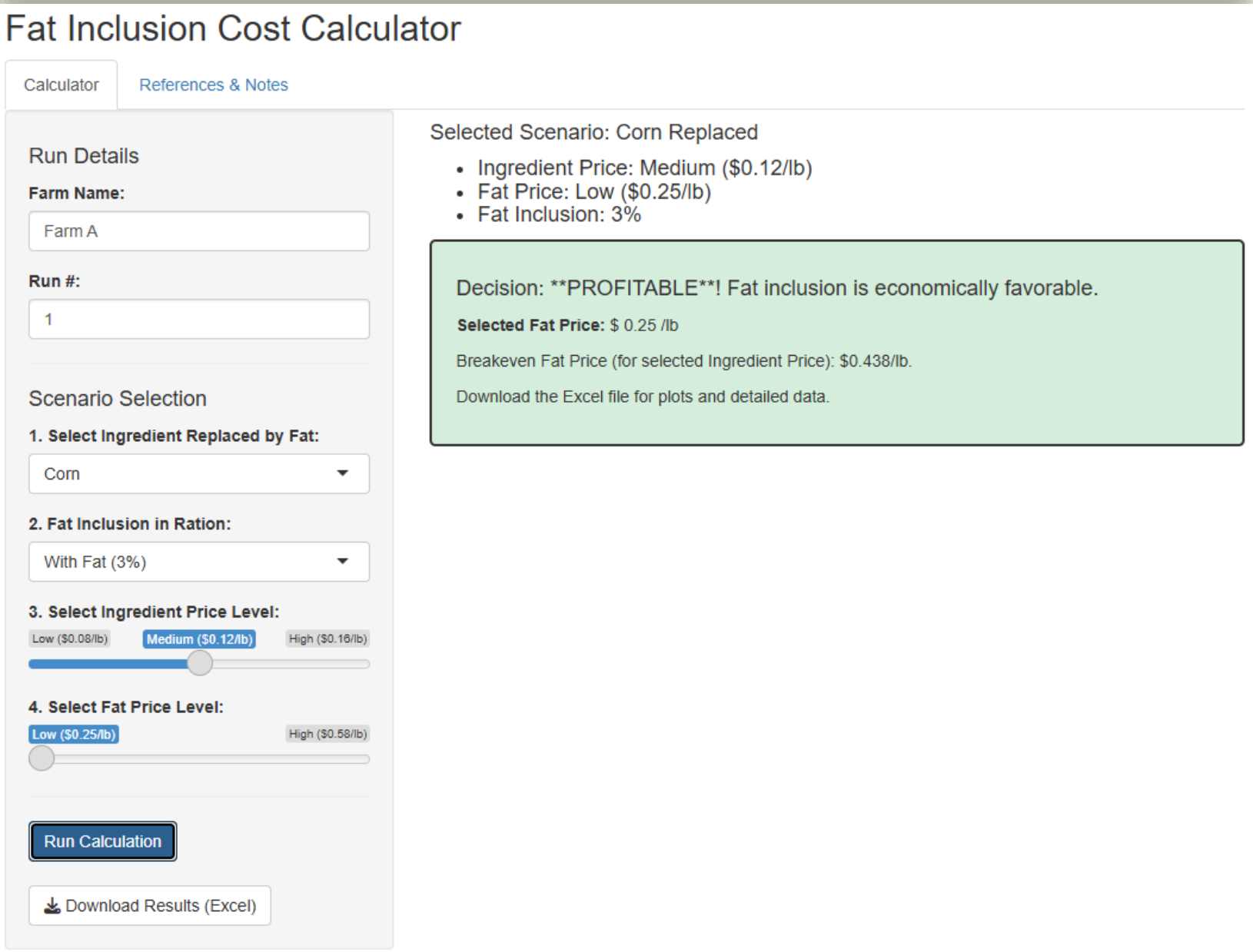
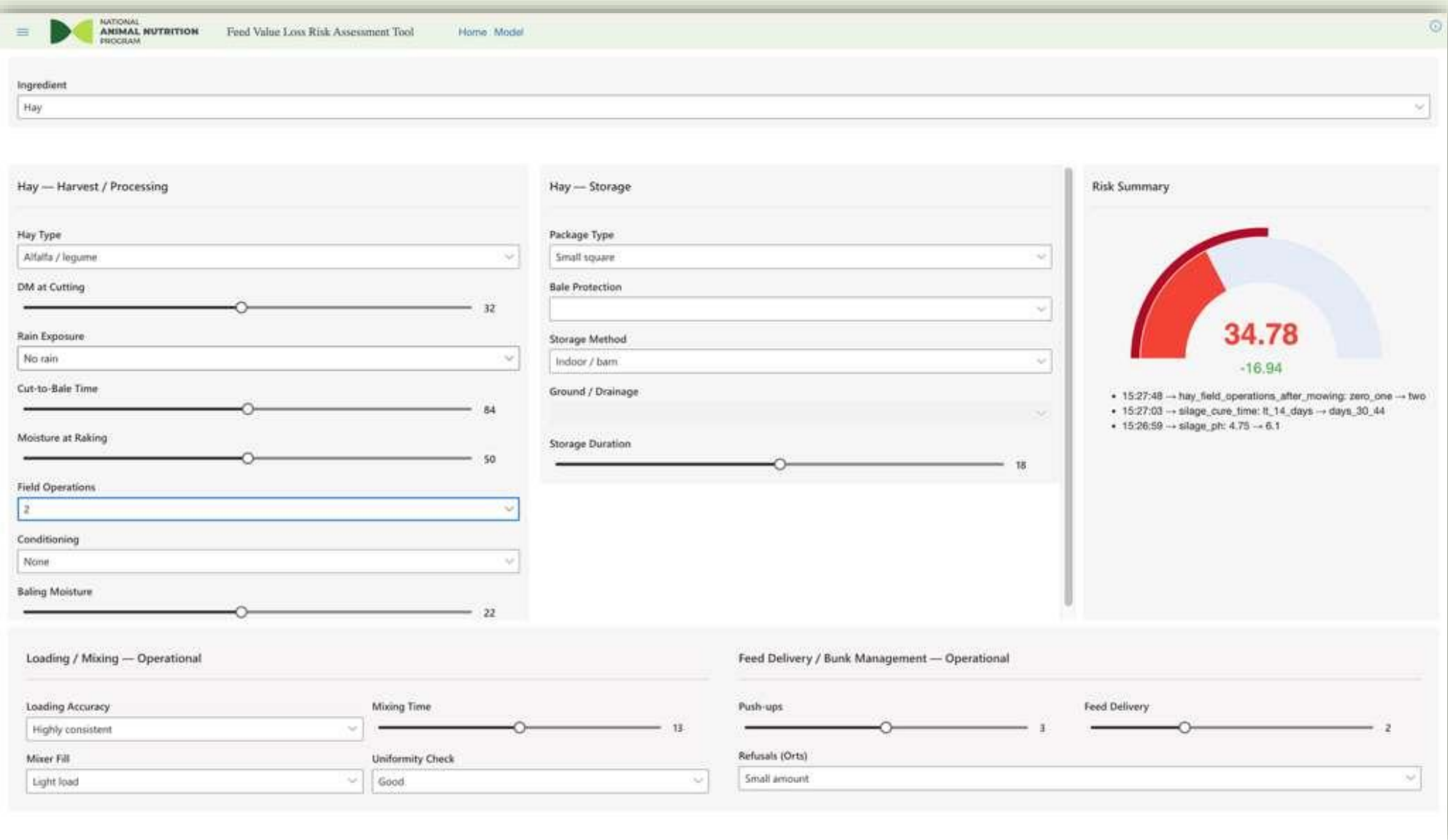


Listen here!



Provide feedback

DECISION-SUPPORT TOOLS

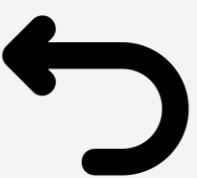




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Feed Management Symposium: Increasing Awareness and Use of Livestock Feed Management Through the National Animal Nutrition Program



AMERICAN SOCIETY OF ANIMAL SCIENCE

Tuesday, July 21st

8:00AM – 12:00PM

- ✓ Beef, dairy, and swine sessions
- ✓ Roundtable symposium
- ✓ Perspectives from academia, government, industry, and producers

BECOME A TECHNICAL SERVICE PROVIDER!



Stay tuned for a specialized training webinar for NRCS personnel and prospective Technical Service Providers!