


I hereby certify that, to the best of my knowledge, the foregoing June NAREEE Advisory Board In-person minutes (6/6-6/7/23) are accurate and complete.

Kenrett Jefferson-Moore, Ph.D.
Chair
NAREEE Advisory Board



Kate Lewis
Executive Director
NAREEE Advisory Board Office

Katherine
Lewis



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Research, Education, and Economics (REE)
**National Agricultural Research, Extension, Education, and Economics (NAREEE) Advisory
Board Quarterly Meeting**

Tuesday, June 6th – Wednesday, June 7, 2023

USDA Headquarters – Whitten and Yates Buildings
Washington, D.C.

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EXECUTIVE SUMMARY

The National Agricultural Research, Extension, Education, and Economics (NAREEE) Advisory Board provides advice to the Secretary of Agriculture and land-grant colleges and universities on top priorities and policies for food and agricultural research, education, extension, and economics. The NAREEE Advisory Board's main objective is to contribute to effective federal agricultural research, education and economics programs through broad stakeholder feedback and sound science in its ongoing role as advisor to the Secretary of Agriculture. The Advisory Board also, by mandate, provides reports and recommendations to the appropriate agricultural committees of the U.S. Congress. The Advisory Board met in-person and virtually via Zoom on Tuesday, June 6th through Wednesday, June 7th. The meeting's main goal on day #1 was to hear the Research, Education and Economics (REE) Leadership team updates and their new initiatives and key priorities related to Diversity, Equity, Inclusion and Access (DEIA) and day #2 was used to review old Advisory Board business and conduct new Advisory Board business, including assessment of the Relevancy and Adequacy (R&A) policy.



DAY #1: TUESDAY, JUNE 6

PART I: Welcome and NAREEE Advisory Board Staff Introductions

Ms. Kate Lewis the NAREEE Board Executive Director/Designated Federal Officer (DFO) opened the meeting by welcoming all attendees and introducing her colleague Ms. Michele Simmons, Program Support Specialist and DFO Lewis introduced the NAREEE Board Chair – Dr. Kenrett Jefferson-Moore.

Dr. Jefferson-Moore reflected on previous meetings and challenges related to agricultural programs (i.e., recruiting students that focus on programs in teaching and agriculture, financial challenges, and so on.)

DFO Lewis thanked Dr. Jefferson-Moore for her remarks and went on to introduce the other board members and zoom attendees. The other members were Dr. V.M. Balasubramaniam, Ms. Donnell Brown, Mr. Richard De Los Santos, Mr. Mario Ferruzzi, Ms. Lisabeth Hobart, Dr. Jane Kolodinsky, Dr. Mark Lawrence, Ms. Tambra Raye Stevenson, Dr. Jim McFerson, Ms. Marguerite Green (SPROUT), Ms. Annette Levi (California State University—Fresno), Dr. Ariel Ortiz-Bobea (Cornell University). The zoom attendees were Peter Bretting (National Program Leader and Agricultural Research Service), Julia Cobble (Nutrition on Demand), Amalia Corby (American Society for Microbiology), Nick Cox (American Society for Microbiology), Sarah Frank (Partner, Foundation for Food & Agriculture Research), Shelley Maniscalco (Nutrition on Demand), LaKisha Odom (Partner, Foundation for Food & Agriculture Research), Tricia Psota (Nutrition on Demand).

Each present member stated their affiliation, their category of representation, and two major issues impacting their represented constituents. Dr. Kenrett Jefferson-Moore, Board Chair, from North Carolina A&T State University (category of representation: 1890 Land-Grant System), expressed concerns regarding limited resources and the changing landscape of agricultural education. Dr. Balasubramaniam, an Executive Committee Member from Ohio State University (category of representation: Food Science Organization, Institute of Food Technologists), stated chronic underfunding for research in the science of food is an issue. In addition, he commented that poor nutrition is a leading cause of illness in the USA, contributing to increased rates of obesity, diabetes, and heart disease and has led to diminished consumer confidence in processed foods. Ms. Brown, Executive Committee Member and Advisor to the Specialty Crop Committee from the National Grape Research Alliance (category of representation: National Interest Group) expressed three issues of concern: labor, water, and climate change. Mr. De Los Santos, an Executive Committee Member from the Texas Department of Agriculture (category of representation: Food and Agriculture Organization – Domestic and Foreign), presented food safety and rising production costs as issues. Dr. Ferruzzi, Executive Committee Member from the University of Arkansas for Medical Sciences and Arkansas Children’s Nutrition Center (category of representation: National Nutritional Science Society), stated that dietary guidelines for Americans are an issue. He also spoke about the need for research funding for nutrition science and translation, specifically the budget for infrastructure and competitive financing to

build the next generation of food and nutrition scientists. Ms. Hobart, Executive Committee Member from GROWMARK, Inc. (category of representation: Farm Cooperatives), expressed that funding for research to ensure relevancy with efficiency and sustainability in crop production and farm bills is a significant issue. Dr. Kolodinsky, an Executive Committee Member from the University of Vermont (category of representation: Rural Economic Development Group), voiced that food access and value chain, and rural community development are issues. Dr. Lawrence, an Executive Committee Member from the Mississippi State University (category of representation: American College of Veterinary Medicine), spoke about the need for research on sources of AMR genes, routes of transmission, impact on the food chain, and development of antimicrobial alternatives. In addition, he expressed concern for the veterinary workforce, specifically the shortage of veterinary scientists to address issues like AMR and zoonoses. Ms. Tandra Raye Stevenson, an Executive Committee Member from WANDA: Women Advancing Nutrition Dietetics and Agriculture (category of representation: National Social Science Organization), stated issues such as the lack of investment in agriculture research regarding heritage crops and the need to modernize inclusive agricultural education, extension, and communication. Dr. McFerson, Chair of the National Genetic Resources Advisory Council (NGRAC), revealed the need to provide technical guidance to the USDA on policies and actions to conserve and utilize genetic resources for food and agricultural production and enhance NGRAC operations more effectively and efficiently.

DFO Lewis thanked members for their statements and went into a break.

PART II: Presentation and Q&A by Under Secretary/Chief Scientist Dr. Chavonda Jacobs-Young

DFO Lewis welcomed everyone back and thanked people rejoining the meeting after the first morning break. DFO Lewis went on to introduce Dr. Chavonda Jacobs-Young, the Under Secretary/Chief Scientist for the Research, Education, and Economics (REE) division who gave prepared remarks.

Dr. Jacobs-Young began her presentation by explaining that the REE organization is dedicated to creating a safe, sustainable, competitive, and equitable U.S. food and fiber system. REE supports American farmers, ranchers, and foresters and help build stronger communities, families, and youth through sound integrated research, analysis, and education. Dr. Jacobs-Young commented that REE needs to increase funding because internationally REE is losing pace. Dr. Jacobs-Young stated that it is essential for stakeholders to know the importance of agricultural science. Therefore, The United States Department of Agriculture (USDA) is building U.S. agriculture back better by addressing climate smart agriculture and forestry, advancing racial justice and equity, creating more and better markets, tackling food and nutrition insecurity, and making USDA a great place to work.

Dr. Jacobs-Young also spelled out the top priorities (such as accelerating innovative technologies and practices, driving climate-smart solutions, bolstering nutrition security and health, cultivating resilient ecosystems, and translating research into action) of the USDA and stating

that the REE organization aims to ensure that the public private partnerships they enter are meaningful for both the partners and the stakeholders who would benefit and that public private partnerships also help to adopt the USDA Science and Research Strategy 2023-2026.

Dr. Jacobs-Young opened the floor to questions. The first question was “How can community organizations engage further?”

Dr. Jacobs-Young answered by stating that right now the ultimate is to create nutrition hubs for community engagement. The first hub is set to be established by the end of the year. In order to put nutrition hubs in places that matter, REE is working with Texas A&M University.

DFO Lewis pivoted to Dr. Tandra Stevenson, who had a question regarding how to advocate for heritage crops in nutritional spaces.

Dr. Jacobs-Young answered by stating that she understands how critical it is for every culture to feel included and stated that REE plans to adopt a technology-based system that create apps to show cultural crops from a health perspective.

Dr. Mario Ferruzi asked the next question. He asked, “How can USDA voice their concerns to the U.S. Food and Drug Administration (FDA)?”

Dr. Jacobs-Young answered by explaining that the USDA provides the data and information to the FDA; and the FDA provide the impact.

DFO Lewis stated that if more questions and answers are needed, they can add it to future meetings. And that ideas and concepts that the board has more interest in talking about can certainly be discussed at an upcoming executive committee meeting. DFO Lewis thanked Dr. Jacobs-Young for her time.

PART III: ‘Panel Discussion’ with Research, Education, and Economics Leadership Team

DFO Lewis pivoted to the REE Leadership Team presentations. DFO Lewis welcomed Mr. Bryan Combs, Administrator, National Agricultural Statistics Service (NASS). Mr. Combs gave NASS’s mission to provide timely, accurate, and useful statistics and service to U.S. agriculture. He then walked through the census data for 2022, then revealed that NASS will be cleaning and analyzing the data over the next couple of months and preparing for publication in spring/summer 2024. NASS is modernizing data collection by making it user-friendly for farmers to report data. By 2027, NASS will replace pdf reports with user-friendly data releases, making the data more easily accessible and producing a better search functionality. He stated that NASS has partnered with the Economic Research Service (ERS) team to demonstrate the value of data and is making plans to get better citations on how the research is produced.

DFO Lewis introduced Administrator Spiro Stefanou from the Economic Research Service (ERS).

Dr. Stefanou began his presentation by giving ERS’s mission to anticipate emerging trends in agriculture, food, the environment, and rural America. This is done by conducting objective economic research to inform and enhance public and private decision-making. Dr. Stefanou stated that ERS’s current priority is developing timely research on emerging issues, expanding data accessibility, and pursuing DEIA research and innovation. Dr. Stefanou also stated that it is essential to note that as a Federal Statistical Agency, ERS makes no policy recommendations.

DFO Lewis thanked Dr. Stefanou and the Board and its guests took a lunch break.

DFO Lewis welcomed everyone back after the break. Then, she went on to introduce Mr. Joon Park, Assistant Administrator, Agricultural Research Service (ARS).

Mr. Park presented and discussed the Agricultural Research Service (ARS) Nutrition Security and Health policy for 2023-2026. He stated that ARS has a significant role in U.S. agriculture and many parts of the world. Mr. Park presented updates on climate hubs and other projects. He noted that the ARS’s mission is to provide scientific solutions to national and global agriculture.

DFO Lewis thanked Mr. Park and went on to introduce Dr. Manjit Misra, Administrator, National Institute of Food and Agriculture (NIFA).

Dr. Manjit Misra started his presentation by stating that NIFA’s mission is to feed and nourish all Americans, particularly those that need NIFA’s help the most. He expressed that the systems approach—seeds, crops, animals, and the social behavior of the food—is imperative. He educated attendees on the misinformation being passed on and ways to promote the science.

DFO Lewis then introduced Dr. Deirdra Chester, Director of the Office of the Chief Scientist (OCS).

Dr. Chester began her presentation by stating that OCS provides leadership and coordination across the entire department. OCS ensures that the research supported by, and the scientific advice provided to USDA and external stakeholders are held to the highest intellectual rigor and scientific integrity standards. Dr. Chester went on to present OCS’s current priorities and research activities.

DFO Lewis thanked Dr. Chester for her comprehensive overview of the Office of the Chief Scientist, and the role that this office with the other four REE agencies plays. DFO Lewis went on to open the floor to questions for the administrators and directors.

Questions/Comments:

Question for Mr. Bryan Combs: Are there plans to digitalize census data from years ago?
Mr. Combs said they would be working on digitalizing data since 1997.

Question for Dr. Misra: How do we modernize extension services?

Dr. Misra answered that NIFA is considering ways to use modern technology to do so.

Question for Dr. Chester: How do stakeholders engage with OCS?

Dr. Chester replied that stakeholders should engage with NIFA via the stakeholder engagement mailbox.

DFO Lewis thanked Members for their questions and comments and the Board and its guests went to break.

PART IV: USDA Science & Research Strategy (S&RS), 2023-2026

DFO Lewis welcomed everyone back after the break. DFO Lewis turned the meeting over to Dr. Deirdra Chester, Director of OCS; Ms. Holly Wiggins, USDA Strategic Planning, Program Evaluation & Enterprise Risk Officer (OCS); and Dr. Suzanne Thornsby, Professor, Food and Resource Economics Department, University of Florida/IFAS.

Dr. Chester spoke in length about the USDA's first ever Science & Research Strategy 2023-2026 plan. The plan engages all 8 mission areas (versus REE only). Dr. Chester stated that the plan priorities driving climate-smart solutions, bolstering nutrition security and health, cultivating resilient ecosystems, accelerating innovative technologies and practices, and translating research into action. Dr. Chester introduced the individuals, Ms. Holly Wiggins and Dr. Suzanne Thornsby, from the OCS who led this effort. Dr. Chester took a moment to mention OCS's partners on this project -- the Foundation for Food & Agriculture Research (FFAR) and Context. She stated that they were in attendance via Zoom to capture all of the Board's input into a larger stakeholder report to inform implementation strategy and additional projects on the horizon around OCS's emerging high risk/high reward research program. She thanked Dr. Lakisha Odom of FFAR and Ms. Sarah Frank of Context. Dr. Chester then turned the presentation over to USDA Science's Strategic Planning Officer, Ms. Holly Wiggins.

Ms. Holly Wiggins gave a presentation on the newly released S&RS. She acknowledged that the challenges facing Agriculture are significant. However, their growing partnerships and collaborations position them to cultivate innovation on a grander scale as more voices enter the conversation to meet these challenges in unprecedented ways. Thus, this S&RS is a "USDA First." Ms. Wiggins highlighted the following regarding USDA's S&RS:

- It is the first Department-wide strategy, engaging all 8 USDA Mission Areas, agencies and over ~100 leaders from policy, research, programs, science and various expertise.
- The strategy is a result of ~2-years of consensus building across 5 Research Priority Theme Teams.
- Team Leads and Members were charged with bringing 4 perspectives to the conversations:
 - 1) That of the stakeholders they regularly represent and engage with at their home agencies,

- 2) That of their individualized subject matter expertise,
 - 3) That of their home agency and Mission Area, and
 - 4) That of the enterprise itself—as if they were the Secretary of Agriculture.
- It underpins the USDA Strategic Plan by delivering on the (newly introduced) Core Value of “Science Leadership” to drive mission and program delivery.
 - The “Spotlights on Science” directly link the S&RS to the USDA Strategic Plan Objectives they support.

Ms. Wiggins pivoted the presentation to Dr. Suzanne Thornsburly. Dr. Thornsburly spoke briefly meeting S&RS five priorities.

Ms. Wiggins pivoted to the last part of the presentation: Join the Conversation. All three presenters asked several open-ended questions. The Board and its attendees chimed in by giving their input and asking further questions.

DFO Lewis stopped the conversation for the sake of time. She thanked Dr. Deirdra Chester, Ms. Holly Wiggins, and Dr. Suzanne Thornsburly.

PART V: USDA’s Public Access Plan

DFO Lewis introduced Dr. Cynthia Parr, Assistant Chief Data Officer, REE.

Dr. Parr first presented historical information on USDA’s old public access plan. She then gave an update on the public access plan. Dr. Parr stated that the new requirements implement free and immediate access to research. In addition, she spoke about the benefits of making scientific information freely available to all: equal access to research products, discovery and innovation of agricultural research, enablement of data-driven decision-making, and scientific accountability, transparency, and integrity.

Dr. Parr made comments regarding the public access plan as well.

PART VI: Public Comment

DFO Lewis asked the Board and attendees if they’d like to make any public comments. DFO Lewis stated to put on the record that there were no public comments.

Adjournment

A motion was made and seconded to adjourn the meeting.

DAY #2: WEDNESDAY, JUNE 7

PART I: Welcome and Recap of Day 1 and Overview of Day 2

DFO Lewis welcomed everyone back. DFO Lewis commented that yesterday was quite a big picture and leadership level information sharing, giving you a sense of who these individuals are at the helm of our agency in our research mission area and how these various strategies move USDA science and research forward. Day #2 will be more of that, as the goal is to move the Board's existing business forward and inform on relevant initiatives in the research areas.

PART II: Old Board Business – FY22/FY23 Projects

DFO Lewis advised the Board that the Board's addendum to the 2020 adaptation report needs approval.

The NAREE Board Chair, Dr. Jefferson-Moore, motions for the Board to approve the adaptation report. —*The report was approved by the Advisory Board.*

PART III: New Board Business – FY23/FY24 Projects – Board Chair and Members

DFO Lewis pivoted to the committee/council/subcommittee presentations. DFO Lewis welcomed Ms. Elizabeth “Izzy” Hill, USDA Honeybee and Pollinator Coordinator.

Ms. Hill spoke about the pollinator office's efforts to track research internally, state of the science workshop, and subject-matter-experts reviews for the pollinator report. She said in length about the objectives and goals of the committee and advised on the best available science in informing specific USDA pollinator programmatic or policies.

DFO Lewis pivoted into the second part of the new business presentation by introducing the next items for business which are three committees and subcommittees. DFO Lewis invited the chairs of the three committees and subcommittees for our next part of the agenda, so the board can hear from them, and everyone can get to know everyone a little bit better.

- Citrus Disease Subcommittee (CDS), Mr. William “Gee” Roe III, W.G. Roe and Sons, Chair – update: the committee plans to deconstruct the priorities and provide new research priorities, such as rehabilitating trees.
- Specialty Crop Committee (SCC), Dr. Gregory Goins, North Carolina A&T University, Chair – Advised on committee updates.
- NGRAC, Dr. Jim McFerson, Chair: Mr. McFerson gave an update on four distinct council reports, including status and recommendations for future plans. He spoke in length about the importance of increasing public and private partnerships and the

committees' top priorities. – *The Advisory Board approved NGRAC's April 2023 meeting minutes.*

DFO Lewis thanked the board for their work.

Questions/Comments:

Question for Dr. Gregory Goins: What's the goal for consumers to know?

Dr. Goins stated that the goal is for consumers to know about species and have an archived database; consumers should know the data and have access to a larger look at genetic resources.

The Board and its guests went to break.

PART IV: FY 22 Relevancy & Adequacy Project Overview and Steps Towards Developing R&A Report

DFO Lewis welcomed everyone back from break.

Dr. Jefferson-Moore, The NAREE Board Chair, led the discussion as the Board reviewed all research, extension, or education activities to establish REE priorities and the adequacy of the funding for these activities. The Board's suggestions are listed below.

- Nine questions should frame the Relevancy and Adequacy (R&A) analysis.
- R&A top priorities should be considered when composing the questions.
- The committee should be made up of subject matter experts.
- Relevancy of the program and adequacy of the funding should equate to the number of resources to make it appropriate.
- The theme of the R&A is precision and nutrition. The USDA should invest in precision and nutrition and how it is being communicated.
- The next steps are to develop the R&A between June and November.

The Board and its guests went to break for lunch.

PART V: Flash Talks

DFO Lewis welcomed everyone back and thanked people for rejoining the meeting after the lunch break. DFO Lewis introduced Dr. Dionne Toombs, Associate Director of Programs, NIFA.

Dr. Toombs spoke at length regarding NIFA's findings and insights. Her presentation listed ways of making NIFA stronger in the future—expanding agricultural education and advancing equity and opportunity. Dr. Toombs declared that NIFA had been reassembled and is investing right and listening.

Takeaways from Dr. Toombs's flash talk:

- The importance of science communication, what NIFA offers to people, the program, and research; how NIFA listens.
- Modernizing research infrastructure.
- Mapped out funding around AFRI funding, including the increase in AFRI over the years.
- The cost of doing research is increasing faster than NIFA funding, and the number of grants hasn't changed, which affects access.
- No talk about changing grant processes.
- Would like to know more about the matrix regarding developing the next generation of researchers (how many grants go to professors?).
- What is the output from the grants?

DFO Lewis thanked Dr. Toombs for her presentation. She introduced Ms. L'Tonya Davis, Chief Diversity and Inclusion Officer, and Dr. Dewayne Goldman, Senior Advisor, to the Secretary for Racial Equity.

Ms. Davis and Dr. Goldman provided an overview of USDA's internal and external DEIA efforts. Ms. Davis advised that the USDA is expanding investments to improve its DEIA leadership and management for an internal workforce where all employees are treated with dignity and respect and thrive in their contributions to USDA's mission. She stated that USDA's DEIA Strategic Plan prioritizes six goals—build, achieve, foster, establish, promote, and demonstrate—that will be the foundation for our activities for the next five years. The following steps are to collaborate with partners and conduct road shows that prepare leaders to lead and result in inclusivity.

Dr. Goldman informed the Board and attendees that the department's goal is to reflect the American agriculture system. He expressed the importance of working to identify and mitigate racial barriers and to reevaluate to make program improvements that can be seen.

Takeaways from DEIA leadership's flash talk:

- USDA generally operates in an environment of distrust; the department has not always been equitable.
- Building DEIA is essential to build with the matrix.
- Internal and external programs all built on the civil rights act.
- The step-by-step strategic plan is built to promote and foster equity.
- The inflation reduction act has funded the department.
- How much of it will be done externally?
- How will DEIA issues be transferred externally?

DFO Lewis thanked Ms. Davis and Dr. Goldman for their discussions. She introduced Dr. William Trenkle, the Department of Scientific Integrity Officer, and Senior Advisor on Scientific Integrity.

Dr. Trenkle presented the history of USDA's Scientific Integrity Policy (SIP) and an overview of the federal scientific integrity directives. He stated that SIP aims to boost the public's confidence and accomplish this by laying out clear communication. The framework of the policy includes the following:

- A new Federal government-wide definition of scientific integrity (highly similar to USDA's existing definition)
- A roadmap of activities expected outcomes, and metrics for measuring progress.
- Criteria proposed for assessment and to promote iterative improvement and implementation of scientific integrity.
- A "Model Policy" that identifies some aspects considered when USDA revised our DR, labeled "best practice.
- "Critical Policy Criteria" will be used in the NSTC SOSI-led evaluation.

PART VI: Public Comments

No public comments related to the discussion today.

PART VII: Next Board Meeting Forecast/Meeting Closing Remarks

Highlights of what to think about moving forward:

- Targeted areas: 4h veterans, farms, A&R, family and community, underserved communities
- Problematic areas: health, racial unrest, workforce development, food insecurity, and more
- Recommend target: underserved, marginalized communities, a program area, and how precision and nutrition channeling these areas affect next-gen and workforce development.

Board led next steps:

- Not ready to decide on the concept of nutrition precision; thus, the board will decide after clarity through a scoping document assessing the various elements of nutrition precision.
- Suggestion: next meeting will be held in Charlotte, NC, on November 13th – 15th.

Adjournment

A motion was made and seconded to adjourn the meeting.

APPENDIX A: LIST OF MEETING ATTENDEES

MEETING DAY #1, Tuesday, June 6, 2023

NAREEE Advisory Board Staff: Kate Lewis, Michele Simmons

NAREE Advisory Board Members Present: Kenrett Jefferson-Moore (Chair), V.M. Balasubramaniam, Donnell Brown, Richard De Los Santos, Mario Ferruzzi, Lisabeth Hobart, Jane Kolodinsky, Mark Lawrence, Tambra Stevenson, Jim McFerson

Zoom Attendees: Peter Bretting (National Program Leader and Agricultural Research Service), Julia Cobble (Nutrition on Demand), Amalia Corby (American Society for Microbiology), Nick Cox (American Society for Microbiology), Sarah Frank (Partner, Foundation for Food & Agriculture Research), Shelley Maniscalco (Nutrition on Demand) LaKisha Odom (Partner, Foundation for Food & Agriculture Research) Tricia Psota (Nutrition on Demand)

Other USDA Staff: Chavonda Jacobs-Young, Bryan Combs, Spiro Stefanou, Joon Park, Manjit Misra, Deirdra Chester, Holly Wiggins, Cynthia Parr

University of Florida: Suzanne Thornsby

Other Guests: Javonna Friend (1st Choice—Science Writer)

MEETING DAY #2, Wednesday, June 7, 2023

NAREEE Advisory Board Staff: Kate Lewis, Michele Simmons

NAREE Advisory Board Members Present: Kenrett Jefferson-Moore (Chair), V.M. Balasubramaniam, Donnell Brown, Richard De Los Santos, Mario Ferruzzi, Lisabeth Hobart, Jane Kolodinsky, Mark Lawrence, Tambra Stevenson, Jim McFerson, Greg Goins

Zoom Attendees: Julia Cobble (Nutrition on Demand), Amalia Corby (American Society for Microbiology), Nick Cox (American Society for Microbiology), Sarah Frank (Partner, Foundation for Food & Agriculture Research), Shelley Maniscalco (Nutrition on Demand)

Other USDA Staff: Elizabeth Hill, Dionne Toombs, L'Tonya Davis, Dewayne Goldmon, William Trenkle

W.G. Roe and Sons: William Roe III

Other Guests: Javonna Friend (1st Choice—Science Writer)