

**National Agri-Science Youth Summit**  
**March 10th-13th**  
**Hyatt Regency Bethesda in Bethesda, MD.**

**Information Sheet**

**Background**

Today, many young people are generationally and geographically removed from farming and agriculture. Yet, it is vital that these young leaders and future decision makers understand the critical role of agricultural science innovation in addressing the world's most pressing problems. It is estimated that there will be over 57,000 annual high skilled job openings for those with agricultural college degrees. While the percentage of these opportunities in production agriculture (farming) has declined, 27% of these jobs will be in science and engineering and 47% will be in management and business. A shortfall of graduates for these science and business positions is projected, especially for the anticipated demand in animal and plant biotechnology. These emerging areas of agriculture are addressing some of the world's most pressing issues related to food security, nutrition, energy, and sustainability.

**Program Objectives**

While at the summit, youth and adult teams will:

- Gain knowledge and skills in agri-science related to the production of food, feed, fuel, and fiber – especially in the rapidly emerging areas of animal and plant sciences and technologies
- Learn about the challenges facing agriculture, including global food security and sustainability, and how youth can play a role in addressing these challenges *today* and in their future
- Interact with agricultural scientists, researchers, leaders, politicians, and advocates
- Prepare to serve as Champions for Agriculture in their home communities – helping to increase the agricultural literacy of the general public and key local stakeholder groups
- Increase awareness of career opportunities and pathways in agriculture

**Program Details:** High school youth (grades 9-12) interested in becoming champions for foods-systems in their communities (*today* and in the future) are invited to attend the National Youth Agri-Science Summit. The New Jersey delegation will consist of 20 youth and 4 chaperones (Rutgers 4-H staff and volunteers). The NJ delegation will take a bus together with pick up stops in North, Central and South Jersey.

**Cost:** The Department of 4-H Youth Development at Rutgers has been awarded funding from multiple sources including USDA and National 4-H Council to offset the cost of registration. Each youth will be responsible for paying \$50 which will include transportation, lodging, meals and all supplies needed for the 4 day experience.

**Agenda:** <https://4-h.org/wp-content/uploads/2021/11/Agri-Science-Summit-Agenda-11.16.21.pdf>

**Application:** [https://rutgers.ca1.qualtrics.com/jfe/form/SV\\_d0cSa8Dt9ZHkX42](https://rutgers.ca1.qualtrics.com/jfe/form/SV_d0cSa8Dt9ZHkX42)



# 2022 Agri-Science Summit

## Agenda at-a-Glance: March 10 – 13, 2022

### Hyatt Regency Bethesda

Thursday, March 10, 2022

#### **4:30 – 5:30 pm: Introductions and Mixers**

*Freeman Thompson, Director of Educational Opportunities, National 4-H Council*

Learn all about this year's summit while getting the opportunity to meet your peers from across the country for the first time.

#### **5:30 – 6:30 pm: Dinner**

#### **6:30 – 7:30 pm: Welcome and Keynote Speaker**

#### **7:30 – 8:30 pm: Community Action Plans**

Introduction and explanation of this year's Community Action Plans, featuring work from the 2021 Community Action Plans. Also learn about the 2022 Lead to Change award program (formerly known as Dolphin Tank).

#### **9:00 – 10:00 pm: Delegation Meetings and Action Planning Time**

Reflect and debrief on the day's activities and begin planning Community Action Plans with your delegation.



Friday, March 11, 2022

**7:00 - 8:00 am: Breakfast**

**8:00 am – 12:00 pm: Workshop Sessions**

Experience hands-on workshops that will broaden your horizons on the Agri-Science sector, while also picking up activities that you can bring back and teach to your fellow 4-Hers in your community.

Some of the workshops to be offered include:

- *Growing with the Planet in Mind*
- *The Social Science of Agriculture: Moving Beyond Biology to Teach Accessible Ag*
- *Find Your Spark: Empowering and Cultivating Your Food System*
- *Let's Eat Bugs!*

**12:00 – 1:00 pm: Lunch**

**1:00 pm: Group Photo**

**1:15 – 6:00 pm: Visit Smithsonian Museums on the National Mall**

The Smithsonian Museums offer a wide array of history about the history of American life and culture. Explore the various museums with a self-guided tours to learn and understand how big of a role agriculture has played in the development of our country.

**6:00 – 7:00 pm: Dinner**

**7:00 – 8:50 pm: Career Connections & Networking Time**

Meet with industry leaders as they give insights on the growth of the agriculture sector and learn where you can begin to take your next steps in your agriculture after your 4-H career.

**9:00 – 10:00 pm: Delegation Meetings & Action Planning Time**

Reflect on the day's activities.



Saturday, March 12, 2022

**7:30 – 8:30 am: Breakfast**

**8:30 – 9:30 am: Featured Speaker**

Get your day started hearing from leaders in the agriculture industry that will give you insight into the future of Agriculture and Agri-science.

**9:30 – 12:00 pm: Workshop Sessions**

Experience hands-on workshops that will broaden your horizons on the Agri-Science sector, while also picking up activities that you can bring back and teach to your fellow 4-Hers in your community.

Some of the workshops to be offered include:

- *Taking Action with Pollinator Habitats*
- *The Science Behind Your Favorite Dairy Products*
- *The Green Energy Challenge Game*

**12:00 – 1:00 pm: Lunch**

**1:00 – 3:30 pm: Maryland 4-H's AGsploration**

**AGsploration: The Science of Maryland Agriculture** is a statewide curriculum designed to increase agriculture literacy and STEM skills. Maryland 4-H will lead you through some of the 24 peer-reviewed lessons developed by faculty of University of Maryland Extension with support from researchers and industry professionals.

These activities will not only broaden your horizons, but also give you more tools to take back to your community and teach to your fellow club members.

**3:30 – 5:00 pm: Delegation Meetings & Action Planning Time**

**5:00 – 6:00 pm: Dinner**

**7:00 – 10:30 pm: Night View of National Monuments**

Enjoy the iconic monuments of the Nation's Capital with your peers in a night tour. Monuments include:

- Jefferson Memorial
- WWII Memorial
- Lincoln Memorial
- Korean War Memorial
- Vietnam Veterans Memorial
- MLK Memorial



Sunday, March 13, 2022

**7:30 – 8:30 am: Breakfast**

**8:30 – 9:30 am: Final Action Planning**

**9:30 – 10:30 am: Community Action Plan Share Fair**

Share with your peers the ideas you have to make change in your community and gather feedback on ways that you can make your Community Action Plans stronger before applying for the Lead to Change awards!

**10:30 – 11:30 am: Capnote Speaker**

*Tashina Red Hawk, South Dakota 4-H 2022 Youth in Action Award Winner, Agriculture*

Hear the inspiring story of Tashina and how she used her 4-H experiences to help make change in her community.

**11:30 am: Final Evaluation & Goodbye!**

