

Science Matters

Three-Year Overview



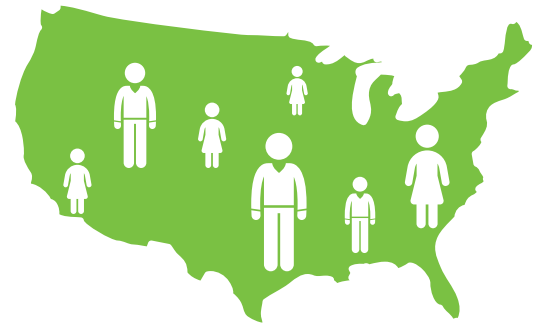
Since 2017, Bayer and National 4-H Council have partnered to deliver Science Matters, a multifaceted program designed to enhance the agri-science and STEM education experience by equipping students with tools and support to deepen their understanding of these important topics.

Exactly how does Science Matters create opportunities for youth in agri-science and STEM?

////// CURRICULUM

To date, Science Matters has reached more than **65,000 youth**, across the country through the direct distribution of 1,550 engaging, hands-on curriculum bundles focused on a variety of activities including **STEM, gardening, water conservation and food safety**.

With Bayer's support of 4-H National Youth Science Day in 2019, more than **300,000 youth received access to the Game Changers computer science (CS)** curriculum where they used CS to create games and solve problems.



////// NATIONAL 4-H YOUTH SUMMIT ON AGRI-SCIENCE

Since 2018, Bayer's support for the Agri-Science Summit has provided **731 youth and adults** from across the country the opportunity to take a deeper look at modern agriculture. **Sixty percent of these delegates attended the Summit on Bayer-sponsored scholarships.**

While at the Summit, teams of delegates create community action plans to **address a challenge in their community with agriculture and science-based solutions.** When they return home, they continue to work with their team to put the plan in action.



76 community action plans were created and implemented across the country since 2018.



SCIENCE MATTERS

////// AG INNOVATORS EXPERIENCE (AIE)

Another component of Science Matters is the AIE. In the last three years, AIE has:



Reached more than 25,000 youth



Trained more than 500 teens as leaders for the AIE



Held more than 500 events

AIE topics such as **pollinators and water quality drive youth awareness** of, and interest in, agriculture innovation and agriculture careers.

After participating in the AIE, **58% of youth said that they have a better understanding** of how science and engineering help solve real life problems.

////// 4-H YOUTH IN ACTION AWARD - AGRICULTURE PILLAR

Bayer's sponsorship of this annual award has provided scholarships and highlighted 4 outstanding youth who have used skills learned in 4-H to positively impact others through agriculture.



Janya Green, GA
(2020)

As the manager of her community garden, Janya provides the community with nutritious foods to combat the obesity epidemic and other nutrition-related diseases and uses the garden as a platform to educate local farmers about new technologies.



Addy Battel, MI
(2019)

Addy worked with a team of fellow 4-H'ers to create Meating the Need for Our Village, a program designed to fight hunger through agriculture. Since its inception, more than 200 youth have been involved in the project by raising and donating animals to the program to ensure local food pantries have access to high-quality protein.



Serena Woodard, OK
(2018)

Through her agricultural education program called "Woodard's Workshops," Serena reached 36 counties and more than 40,000 youth. She also started a community garden to provide fresh fruits and vegetables to 250 community members in need.



Samuel Sugarman, CA
(2017)

Drawing on the skills he learned in 4-H, Samuel created a free farm tour program to connect youth in his community with animals, nature and where food comes from. Samuel has led hundreds of farm tours for scout troops, youth groups and school groups.

Together, Bayer and 4-H are helping to inspire young people as future thought leaders in agriculture and STEM through Science Matters. To learn more, please visit 4-H.org/ScienceMatters.