

Initiative Team:

**4-H Youth Development Geospatial Technology Team**

Coordinator:

Jeff Sallee  
Assistant Extension Specialist 4-H Youth Development  
Science and Technology

Priorities:

1. The ultimate goal / priority of this project is that youth leaders involved in precision agriculture project clubs will develop an in-depth knowledge of career opportunities in precision agriculture and geospatial fields. We will consider this project a success if the youth leaders involved indicate an interest in pursuing careers in precision agriculture and geospatial fields.
2. Youth engaged in the 4-H Youth Development Geospatial Technology Team programming will understand how current technology and precision agriculture relate. These youth may be the scientists and researchers who research, develop and enhance these future agricultural practices.
3. Create a pilot-tested, web-based project curriculum which will be widely used in county extension programs. The curriculum will be available for training teens and volunteers to use within 4-H Technology and Precision Agriculture project clubs. This curriculum will be designed to introduce students to precision agriculture and geospatial technology. Lesson development is a priority because there is not an existing precision agricultural curriculum.
4. Start precision agriculture and geospatial 4-H project clubs by training 4-H volunteers and teen leaders to utilize the new materials to start precision agriculture project clubs.
5. Regional and national promotion of the precision agricultural curriculum through the 4-H system and the securing of additional grant funding to continue lesson material development and promotion.
6. Incorporate the precision agriculture curriculum into the Oklahoma Ag in the Classroom program. This curriculum will cover geospatial technologies and agricultural topics such as GPS/GIS, robotics, remote sensing, and precision agriculture.