



2018-2019 Crop Science Investigation (CSI) Monthly Meetings

All meetings held at York Co. Extension Office from 5-6 p.m. or in field east of York unless otherwise noted

Month	Monthly Meeting Idea	Associated Fair Project
Jan. 22, 2018	Tree detectives: What is making the tree sick?	Journal
Feb. 26, 2018	Seed dissection and germination activity	Crop Production Display, Journal
Mar. 12, 2018	Formulating hypothesis and idea to study for 2018	Journal
Apr. 16, 2018	What is soil texture? Also residue experiment	Crop Production Display, Journal, Water or Soil Conservation Display
May 21, 2018	Out in the field! What is the plant population? You be the Detective: Early season pests/problems	Crop Production Display, Journal
Optional June-July	Meet to learn about Weed ID every week or two weeks for State Fair Contest	Weed Display (if take weed science project), Journal
June 25, 2018	Out in the field! You be the Detective: Weeds/Insects/Diseases	Crop Production Display, Journal
July 23, 2018	CSI Fair Work Project Day (9 a.m.-Noon, 4-H Building) 1-4 p.m.: Weed ID Practice and Contest (4-H Building)	
Aug. 20, 2018	Yield Estimates: Which corn hybrid will win the York Co. Corn Grower Plot?	Crop Production Display, Journal
Sept. 17, 2018	How much stalk rot is present? In field and under microscopes.	Crop Production Display, Journal
Oct. 15, 2018	(may postpone due to harvest) Estimating pre- or post- harvest losses.	Crop Production Display, Journal
Nov. 19, 2018	DNA extraction and Designing your own genetically engineered plant.	Crop Technology Display, Journal
Dec. 17, 2018	Ag Industry Tour	Journal, Career Interview
January 2019	I Spy Corn, Soybeans, Wheat	Crop End Use Display, Journal
February 2019	Selecting varieties from seed guides/variety test results	Crop Production Display, Journal, Soils Display
March 2019	Hypothesis, good questions, planning experiment	Journal
April 2019	Planting Experiment, soil temps	Crop Production Display, Journal
May 2019	Corn/soybean stand counts, Scouting	Crop Production Display, Journal, Career Interview
Optional June-July	Meet to learn about Weed ID every week or two weeks for State Fair Contest	Weed Display (if take weed science project), Journal



June 2019	Dig soybean plants, count nodules, determine if fixing N	Crop Production Display, Journal
July 2019	Detective for half day with Educator answering home owner/crop calls	Crop Production Display, Journal
August 2019	Estimating Yields at York Co. Corn Grower Plot	Crop Production Display Crop End Use Display, Career Interview
Sept. 2019	Tour Hydroponics operation	Career Interview, Journal
October 2019	Determine harvest losses	Crop Production Display, Journal Collect grain samples for fair
November 2019	Soil/Soy Cyst Nematode sample	Crop Production Display, Journal
December 2019	SCN and fertilizer sample results and what next?	Crop Production Display, Journal, Soil and Water Conservation Display

Fair Projects:

- CLASS 1 Corn (includes yellow, white, pop, waxy, or any other type)
- CLASS 2 Soybeans
- CLASS 3 Oats
- CLASS 4 Wheat
- CLASS 5 Any other crop (includes grain sorghum, alfalfa, millets, barley, rye, triticale, amaranth, dry beans, sugar beet, mung bean, canola, forage sorghum, safflower, etc)
- CLASS 6 Crop Production Display - The purpose of this class is to allow original and creative exhibits that contain educational information about crop production aspects, such as crop scouting, alternative crops, bioenergy, etc,
- CLASS 7 Crop Technology Display – Display information about aspects of technology used in crop production, such as genetic engineering, crop breeding, GPS, yield mapping, computers, etc,
- CLASS 8 Crop End Use Display – Display information about the uses for a crop including examples of products.
- CLASS 9 Water or Soil Conservation Display – Display information about ways to protect or conserve water and soil resources
- CLASS 10 Career Interview Display-The purpose of this class is to allow youth to investigate a career in agronomy. Youth should interview 1 person that works with crops about such topics as, what parts of their job do they enjoy or dislike, why did they choose that career, what was their education, etc. Include a picture of the person interviewed.

COUNTY ONLY: Crop Science Investigation Journal, Journal can be notebook, formal journal, lab notebook. Show youth’s observations of projects, activities, learning, photos, drawings, etc. No additional essay is needed.

Guidelines for all Displays: The purpose of the display is to tell an educational story to those that view the display. The display is a visual representation (pictures, charts, graphs) no larger than 28” X 28” on plywood or poster board. The display should be neatly titled. Make sure to label display with exhibitor’s name, address, and county on back side. Explain pictures and graphs clearly and concisely. Each display must have one page essay explaining why the exhibitor chose the area of display and what they learned from their project. Include any references used. The essay should be in a clear plastic cover with the exhibitor’s name outside.