

CTC AGRISCIENCE PROGRAM

Brian Matchett - Instructor

**TBAISD Board of Education
February 2, 2021**

AGRISCIENCE VIRTUAL LEARNING

Spring 2020 - Virtual Field Trips

- **Seed Potato Planting & GPS Tractor Technology**
(Elmaple Farms, Kalkaska)
- **Commercial Sheep Shearing**
(Matchett Sheep Farm, Charlevoix)
- **CTC Greenhouse Tour & Hanging Basket Update**
(CTC Greenhouse)
- **Veterinary Science Skills & Demonstration**
(2nd Year Student - “instructor”)
- **MSU Tree Fruit Research Projects**
(NWMI Horticulture Research Center)

**Donation of over 200 hanging baskets to
Munson Healthcare Professionals



AGRISCIENCE PROJECTS AND LEARNING 2020 - 2021



100 Broiler
Chickens Raised



Poultry Processing Demonstration
(November 2020)

Michigan FFA Broiler
Contest - 2020

92 teams competed

4 TBA CTC teams
ALL 4 placed in top 11

AGRISCIENCE PROJECTS AND LEARNING 2020 - 2021 (CONT.)



200 plant crop of
poinsettias



Square Foot Gardening

AGRISCIENCE PROJECTS AND LEARNING 2020 - 2021 (CONT.)



Sheep Project

2 ewes purchased in 2019

4 lambs raised in 2020

Ewes bred again in fall 2020

Lambs due in early March 2021

Year	Category	Tab	Description
2020	786	other /	This was my Fruit Marketing and Harvesting SAE project. I gained skills in the areas of fruit harvesting, fruit marketing, and good ways to represent a business. Important outcomes of my project for the year are learning how to safely handle fruit, picking healthy fruit that do not have any bugs in them, and running a successful business that I can grow to be bigger in the future. The 786 represents the total amount paid at the end of the project.

SAE Information - 2020 Fruit Marketing and Harvesting

Name: 2020 Fruit Marketing and Harvesting

SAE Type: Entrepreneurship/Ownership

AFNR Pathway: Food Products and Processing Systems

SAE Subcategory: Food Service

Date Range: 8/19/2020 - 11/6/2020

SAE Plan - 2020 Fruit Marketing and Harvesting

Description

My interest in the project is getting more in-depth about what crop farming is all about. My project will start on September 9th and end one week before semester 1 ends. My project goals are to harvest well-produced fruit, make a profit from selling the fruit, and learning more about the industry. My mom will be assisting me with my project and helping me through the harvesting of the fruit. Some safety things I have to watch for is operating equipment safely, picking fruit the right way, and watch out for any equipment being operated around me.

Time Investment

I will spend around 4 hours a week on my harvesting activities. My project time varies from month to month, but common activities are harvesting fruit, watching for insects, and making sure our crop stays healthy. Key dates or events in my project may include when the peaches are harvestable, and when the apples are harvestable. My project time relates to my career plan, which is to do something in the agriculture field.

Financial Investment

I don't have any funds that are going into this project the only thing that we have had to purchase for our stand is a box of 144 peck bags, we had all other bags at the stand already. The other types of bags we already had was 12 bushel bags, 12 peck bag, and 14 bushel bags. We also already had the boxes that we put the apples into along with the picking baskets and the picking bags. We also had to use a forklift to move the boxes we already had on our farm. I hope to make enough money to be able to buy some show supplies that my show calves need.

Learning Objectives (SAE Skills)

Skill Area	Planned Activities	Results or Outcome
ABS 03.01 Develop, assess, and manage sales budgets to collect the money that I make each day to ensure I am selling things and people are not stealing.	As I run this little road stand I need to make sure that I and my mom can budget to collect the money that I make each day to ensure I am selling things and people are not stealing.	During my project, I made sure I stayed disciplined about collecting the money every day to ensure my stand was run the best it could be.
PPP 01.02 Apply food safety and sanitation procedures to ensure nothing can come from my farm.	I plan to handle my fruit safely and in a clean matter to ensure nothing can come from my farm.	When I would bring in my fruit from being harvested I stored them in a clean food-safe cooler. Along with that I made sure my fruit was clean and safe for consumption.



Natalie Boals -- AET Unique #2767937

Here is my picking bag full of apples that are very heavy on your neck. After a while, your neck, back, and shoulders really start to hurt.

This is a picture I took of one of our Honeycrisp trees. The trees are grown on wooden stakes that help them grow straight up and help keep them sturdy.

FFA ORGANIZATION OPERATIONS



- 2020 Virtual National FFA Convention
 - October 2020 - over 217,000 attendees
- CTC Agriscience Officer Team
 - Students provide leadership within our chapter
 - Committee work (hanging baskets; contest; chapter meetings)
- 2021 FFA Leadership Contests (held virtually)
- State FFA Degree + 6 GEU credits toward MSU
 - 2019 - 2 students earned the degree
 - 2020 - 4 students earned the degree
 - 2021 - 5 students earned the degree



CO-OP WORK OPPORTUNITIES

- Program focus for 2021 and forward
- Currently 20+ employers offering placement options for students
 - Sweet cherries
 - Tart cherries
 - Veterinary offices
 - Landscape companies
 - Commercial greenhouses
 - Vineyards
 - Farm markets
 - Potato farms

