

# Variation of Pawpaw Yield and Quality Across Ohio

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# The Plan

- Sample 5 fruit from each cultivar from each site ( $80 \times 5 = 400$  if all cultivars had ripe fruit)
- For the taste panel sample 300 separate fruit which would need processed in a food grade facility

# New Plan

- 1<sup>st</sup> Chapter- Variation in Yield across the state
- 2<sup>nd</sup> Chapter- Variation in Quality across the state

# Different ailments of Pawpaws

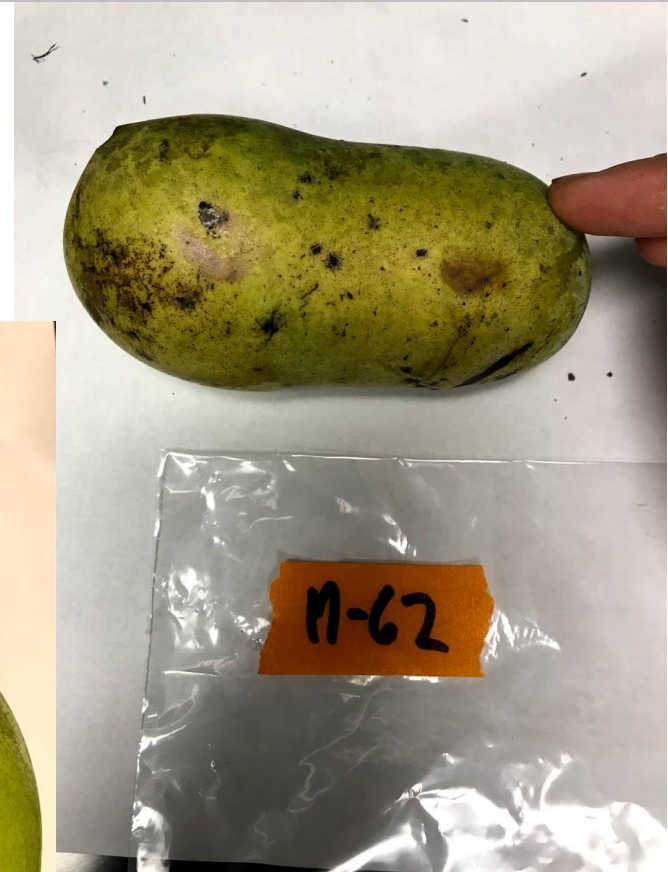
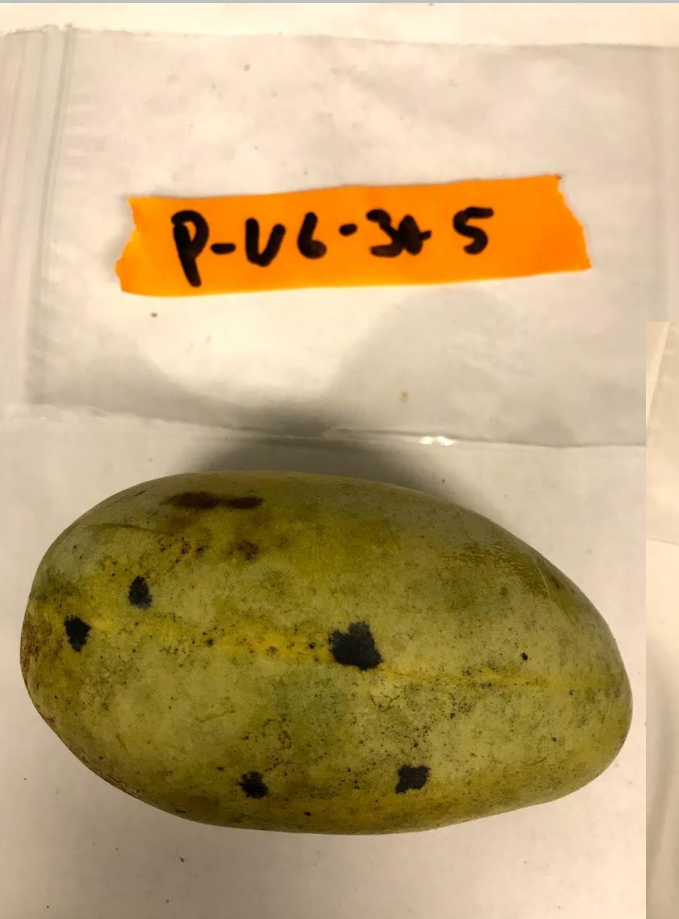


# Starting harvest





# Post Harvest Processing



# Peterson Chart

A PAWPAWER'S GUIDE TO EVALUATING PAWPAWS

	BAD	AVERAGE	GOOD
FRUITFULNESS*	under 5 fruits per tree	10 to 20 fruits per tree	over 40 fruits per tree
FLAVOR	not very sweet, mushy texture, insipid flavor, turpentinish, bitter	sweet, soft texture, intense flavor, may be too rich, bitter aftertaste	sweet, firm texture, delicate blend of flavors, rich but not cloying, no bitter aftertaste
FLESHINESS	visually: mostly seed. by weight: more than 15% of the fruit is seed**	visually: about half seed. by weight: around 10% of the fruit is seed**	visually: mostly flesh. by weight: less than 5% of the fruit is seed**
FRUIT SIZE	under 4 ounces	6 to 8 ounces	over 10 ounces
SEEDS	15 or fewer seeds per oz., av. seeds as large as 1-1/2" (4 cm) long	2.5 to 30 seeds per oz., av. seeds as large as 1" (2.5 cm) long	over 45 seeds per oz., av. seeds as small as 3/4" (2 cm) long
APPEARANCE	brown and black skin; discolored flesh; knobby, uneven shape	green or yellowish skin with brown mottling, yellow flesh	bright clear colors, no brown mottling (ripe); even, symmetrical shape
PECULIARITIES	SKIN: waxy/ fuzzy/ thick and hard/ yellow/ bluish. FLESH (ripe): white/ pink/ red. SEEDS: in a single row. RIPENING TIME: early (mid-Aug)/ late (mid-Nov). KEEPING ABILITY: keeps 2 or more weeks in refrigeration without losing eating quality. ETC.		

# Hardness Readings





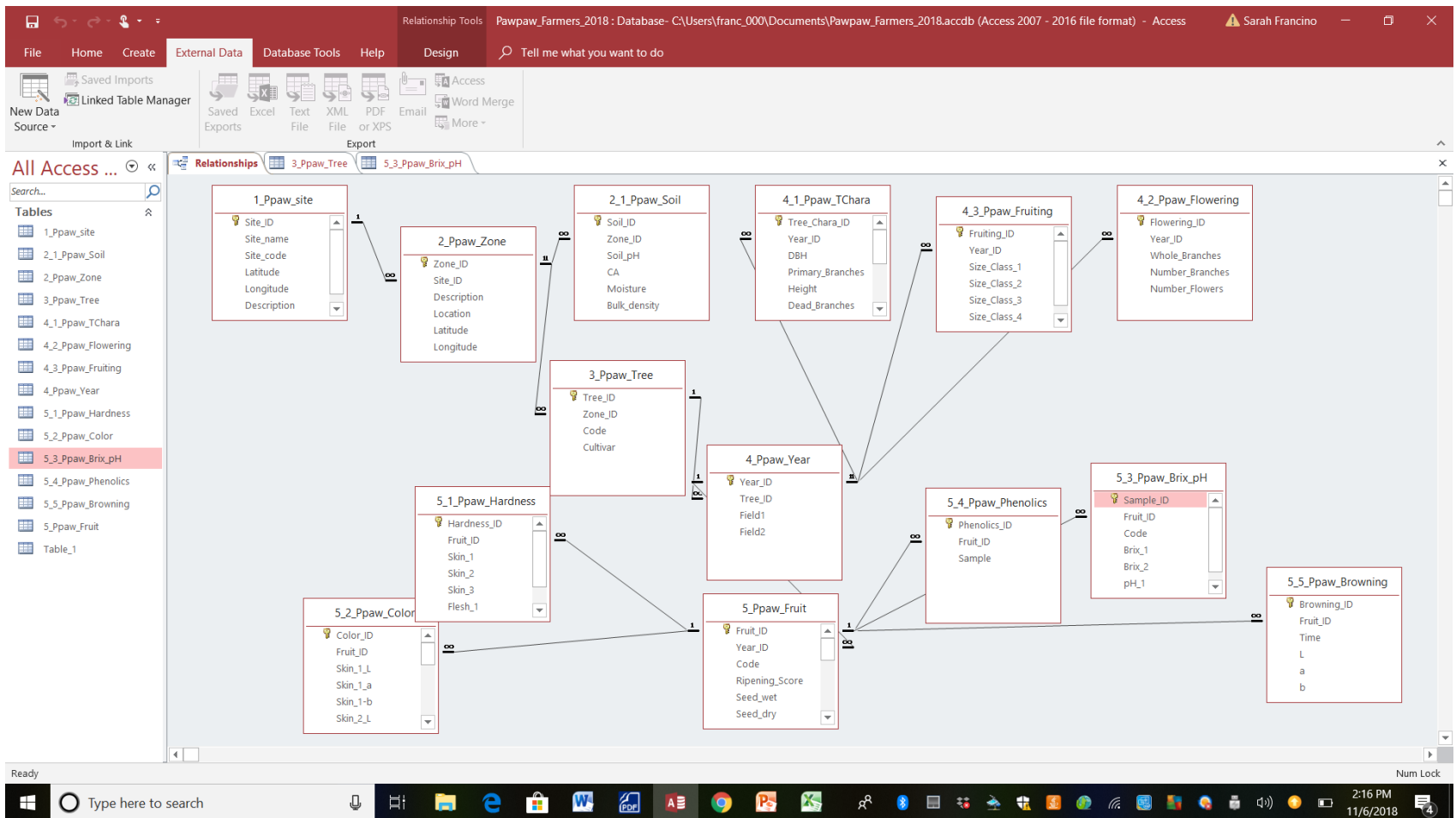
# Pawpaw Processing



# Color Readings



# Data Analysis



# Future Plans

- Farmer Calendars
- Soil Samples in the Spring



# Acknowledgements

- Chelsea Cancino and Katie Gaffney- Lab assistants
- The Farmers

