Variation of Pawpaw Yield and Quality Across Ohio

Sarah Francino
Contact: francino.1@osu.edu

G. Matt Davies, PhD

School of Environment & Natural Resources

The Ohio State University
The Plan

- Sample 5 fruit from each cultivar from each site (80x5=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

• 1st Chapter- Variation in Yield across the state

• 2nd Chapter- Variation in Quality across the state
Different aliments of Pawpaws
Post Harvest Processing
## Peterson Chart

A Pawpaw's Guide to Evaluating Pawpaws

<table>
<thead>
<tr>
<th></th>
<th>Bad</th>
<th>Average</th>
<th>Good</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRUITFULNESS</strong></td>
<td>under 5 fruits per tree</td>
<td>10 to 20 fruits per tree</td>
<td>over 40 fruits per tree</td>
</tr>
<tr>
<td><strong>FLAVOR</strong></td>
<td>not very sweet, mushy texture, insipid flavor, turpentine, bitter</td>
<td>sweet, soft texture, intense flavor, may be too rich, bitter aftertaste</td>
<td>sweet, firm texture, delicate blend of flavors, rich but not clovey, no bitter aftertaste</td>
</tr>
<tr>
<td><strong>FLESHINESS</strong></td>
<td>visually: mostly seed by weight: more than 15% of the fruit is seed**</td>
<td>visually: about half seed by weight: around 10% of the fruit is seed**</td>
<td>visually: mostly flesh by weight: less than 5% of the fruit is seed**</td>
</tr>
<tr>
<td><strong>FRUIT SIZE</strong></td>
<td>under 4 ounces</td>
<td>6 to 8 ounces</td>
<td>over 10 ounces</td>
</tr>
<tr>
<td><strong>SEEDS</strong></td>
<td>15 or fewer seeds per oz., av. seeds as large as 1-1/2&quot; (4 cm) long</td>
<td>2.5 to 30 seeds per oz., av. seeds as large as 1&quot; (2.5 cm) long</td>
<td>over 45 seeds per oz., av. seeds as small as 3/4&quot; (2 cm) long</td>
</tr>
<tr>
<td><strong>APPEARANCE</strong></td>
<td>brown and black skin, discolored flesh, knobby, uneven shape</td>
<td>green or yellowish skin with brown mottling, yellow flesh</td>
<td>bright clear colors, no brown mottling (ripe), even, symmetrical shape</td>
</tr>
</tbody>
</table>

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*Note: ** indicates a qualitative threshold.*
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