An insight into our perceptions and behaviors in relationship to food purchasing and consumption.
The traditional model of food distribution creates a separation between producers and consumers, often leading to an accumulation of processors, manufacturers, brokers, shippers, and retailers. This industrial size, global system can increase the price of food for the consumer, yet decrease the pay price to the producer. Regionalized food systems are a viable alternative to this challenge when farmers are able to meet demands with an adequate supply of food that achieves or exceeds the commercial standard.

The Kentucky Food Consumer Panel was designed to collect information about food purchasing and consumption from households across the state, in an effort to provide resources to farmers and their communities that will assist in developing more localized food systems. The impact could be strengthened economies, higher food quality, lower food costs, an increase of fresh produce consumption, overall health improvement of residents, and a positive environmental impact.

In March 2008, the first online survey was conducted. Topics included were dairy, bourbon agri-tourism, and blueberries. In June 2008, another survey was conducted, primarily targeting produce, salsa, and sweeteners. Both surveys included questions about health, food activities and behaviors, demographics, and willingness to pay. More than 300 panelists participated in each survey, representing each region of Kentucky.
PANEL DEMOGRAPHICS

Average Age: 60 years
Average Household Income: $40-60k
Persons per Household: 2.8

Panelists Age Range

- 70-79: 3%
- 60-69: 16%
- 50-59: 25%
- 40-49: 18%
- 30-39: 24%
- 20-29: 13%
- 10-19: 6%
- 0-9: 15%

Highest Level of Education

- Graduate Degree(s): 20%
- Some Grad Study: 15%
- College/University Degree: 30%
- Some College: 10%
- Technical School: 5%
- High School Graduate: 5%

Household Income

- $0-10K: 2%
- $10-20K: 6%
- $20-30K: 12%
- $30-40K: 10%
- $40-50K: 10%
- $50-60K: 15%
- $60-70K: 11%

Health Concerns

- High Blood Pressure: 37%
- High Cholesterol: 27%
- Diabetes: 11%
- Heart Disease: 6%
EFFECTS OF RISING FUEL COSTS ON FOOD BEHAVIORS

Many panelists are cooking at home more and shopping fewer times per week to save on fuel costs. In addition, when it comes to grocery purchases, survey participants indicated the high cost as their greatest barrier to more produce consumption. Surprisingly, many panelists are able to preserve and store their own produce, and are likely to have a garden of their own. This may lead to less retail purchasing of produce and more home processing.
The most significant impact on panelists in terms of attitudes and behaviors concerning food seemed to have much to do with prices or budget constraints.

Kentucky households are feeling budgetary stress from increasing fuel prices, food costs, and everything in between.

EFFECTS OF RISING FUEL COSTS ON FOOD BEHAVIOR

Kentucky Food Consumer Survey

KENTUCKY FOOD CULTURE
Surprisingly, more than 70% of panelists have a small or patio garden. In addition, 20% read a magazine with gardening topics or primary theme.

When it comes to food storage, preparation, and preservation, Kentuckians are prepared! Statistics show a solid number of panelists who are able to save money and time by purchasing fresh produce during Kentucky’s harvest months and store it for consumption during cold months.
Panelists reported total servings consumed weekly of several food and beverage categories.

<table>
<thead>
<tr>
<th>Servings Per WEEK</th>
<th>Veggies</th>
<th>Fruit</th>
<th>Grain</th>
<th>Diary</th>
<th>Fish</th>
<th>Meat</th>
<th>Poultry</th>
<th>Nuts</th>
<th>Soft Drinks</th>
<th>Alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 servings</td>
<td>8%</td>
<td>9%</td>
<td>13%</td>
<td>6%</td>
<td>34%</td>
<td>11%</td>
<td>12%</td>
<td>32%</td>
<td>27%</td>
<td>61%</td>
</tr>
<tr>
<td>1-4 servings</td>
<td>6%</td>
<td>21%</td>
<td>14%</td>
<td>15%</td>
<td>63%</td>
<td>23%</td>
<td>51%</td>
<td>46%</td>
<td>26%</td>
<td>29%</td>
</tr>
<tr>
<td>5-9 servings</td>
<td>27%</td>
<td>33%</td>
<td>29%</td>
<td>28%</td>
<td>2%</td>
<td>33%</td>
<td>29%</td>
<td>18%</td>
<td>19%</td>
<td>7%</td>
</tr>
<tr>
<td>10-15 servings</td>
<td>31%</td>
<td>23%</td>
<td>23%</td>
<td>31%</td>
<td>0%</td>
<td>23%</td>
<td>6%</td>
<td>3%</td>
<td>15%</td>
<td>2%</td>
</tr>
<tr>
<td>16+ servings</td>
<td>28%</td>
<td>14%</td>
<td>21%</td>
<td>20%</td>
<td>0%</td>
<td>9%</td>
<td>1%</td>
<td>1%</td>
<td>14%</td>
<td>1%</td>
</tr>
</tbody>
</table>

Surprisingly, more than one third of the panelists do not eat fish or nuts! Vegetables, grain, and dairy products were among the most frequently consumed categories.

Veggie eaters prefer salad and raw products significantly more than other options, such as canned or frozen.
When asked to indicate the number of vegetable servings purchased per week for personal use, panelists reported significantly lower numbers than they identified when asked to indicate the number of servings consumed on a daily basis. This data reveals a discrepancy between perception of consumption and actual consumption of food.

### Daily Consumption of Vegetables

<table>
<thead>
<tr>
<th></th>
<th>Panelists</th>
<th>Others in Household</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 or more servings</td>
<td>14%</td>
<td>12%</td>
</tr>
<tr>
<td>4-5 servings</td>
<td>39%</td>
<td>32%</td>
</tr>
<tr>
<td>2-3 servings</td>
<td>35%</td>
<td>37%</td>
</tr>
<tr>
<td>Less than 2 servings</td>
<td>11%</td>
<td>19%</td>
</tr>
</tbody>
</table>

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**Weekly Vegetable Consumption**

- 0 servings: 8%
- 1-4 servings: 6%
- 5-9 servings: 27%
- 10-15 servings: 31%
- 16+ servings: 28%
Farmers’ Market vs Non-Farmers’ Market Shoppers in KY

- Rural Residents (%)
- Urban residents (%)
- Member Enviro Group (%)
- Member of Consumer Group (%)
- Use Internet 5+ Days/ wk (%)
- Have Children in Home (%)
- Watch Food Network TV (%)
- Preserves Food (%)
- Freezer for Storage (%)
- Have Small Garden (%)
- Buy Organic Regularly (%)
- Avg House Income ($K)
- Avg Age (years)

NON FM Shopper
FM Shopper
AN ASSESSMENT OF OUR ATTITUDES & BEHAVIORS:
THE KENTUCKY FOOD CONSUMERS PANEL

Research conducted by:
Dr. Tim Woods & Dr. Wuyang Hu
The University of Kentucky
Department of Agriculture Economics

For more information, contact:
Sara Williamson, Sr. Extension Associate
859-257-7272, etx. 223 or sara.williamson@uky.edu