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Consumer Awareness of the Jersey Fresh Promotional Program

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Executive Summary

The Jersey Fresh marketing program, one of the nation's leading examples of state-sponsored agricultural marketing promotion, enables consumers to easily identify quality fresh produce from New Jersey by promoting locally grown fruits and vegetables in the market with Jersey Fresh's logos. This study utilizes a consumer survey to evaluate the effectiveness of the Jersey Fresh Program in terms of the impact the promotional logos have on consumers. The results of this study provide valuable information that may be used to improve the Jersey Fresh Program, and also may be used in the promotion of other New Jersey farm products as well as products in other states which have similar promotional programs.

Among other things, this study demonstrated that the Jersey Fresh promotional program has created significant brand awareness among New Jersey consumers and that consumers are willing to purchase Jersey Fresh produce when it's available. Consumers reported seeing the Jersey Fresh logo most frequently on in-store produce displays. What's more, women were more likely than men to be aware of Jersey Fresh, as were married people. Survey participants believed Jersey Fresh produce to be better than produce in other states in terms of quality and freshness. Moreover, consumers associate the Jersey Fresh logo with locally grown, quality produce.

Suggestions that emerged from the study include increasing the availability of Jersey Fresh produce during the production seasons would ensure continued consumer patronage. Also, increasing promotions of Jersey Fresh produce in supermarkets may further increase the popularity of Jersey Fresh produce. The study showed that a

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majority of consumers were willing to pay only a small percentage premium for Jersey Fresh produce over the market prices for other fresh produce; therefore, significant price differentials are not recommended for Jersey Fresh produce.

The results of this study lead to a better understanding of New Jersey consumers' shopping behavior, their preferences towards local produce and their demographic composition. The results may be especially encouraging to those developing marketing strategies for Jersey Fresh produce or for other similar New Jersey consumer products.

Introduction

Jersey Fresh is one of the nation's leading examples of state-sponsored agricultural marketing promotion and is one of the major programs funded by the New Jersey Department of Agriculture (NJDA). The purpose of this program is to enable consumers to easily identify quality fresh produce from New Jersey by promoting locally grown fruits and vegetables in the market with Jersey Fresh logos. The program attempts to increase the awareness of many fresh fruits and vegetables available from New Jersey by targeting consumers of New Jersey, near by Philadelphia, New York and the Delmarva (Delaware, Maryland and Virginia) region.

The importance of this program arises from many key factors that affect the market share of state-grown produce. New Jersey's agriculture constitutes a key industry for the state, contributing to income and employment. It provides livelihood for approximately 20,000 workers and accounts for 16,000 in other industry sector jobs. The geographic location of New Jersey provides some distinct advantages that can translate into increased profits for farmers. New Jersey is the most densely populated state in the U. S. and has per capita income near the highest in the nation. Moreover, the consumer demand for fresh and quality produce has been growing. Due to New Jersey's convenient location close to the big consumer markets of the northeastern states, produce can be picked at the height of ripeness and transported to these markets in minimal time and at minimal costs. The Jersey Fresh Program was developed by the NJDA to capitalize on these competitive advantages, to boost the returns to New Jersey farmers, and to increase their share of the retail market,

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especially during the growing season. The program campaign highlights the freshness aspect of New Jersey produce to give local growers a competitive edge over the produce that is shipped from other states.

The Jersey Fresh Program attempts to create consumer awareness through billboards, radio and television advertising, special promotions, and distribution of attractive point-of-purchase materials. These advertisements are well identified with the Jersey Fresh logo, designed to catch consumer attention. The NJDA also participates in many promotional events such as farmers' market fairs, trade shows, cooking competitions, and in-store Jersey Fresh produce demos held throughout the state. The program distributes price-cards, stickers, banners, paper bags, and worker's aprons. Participating retail organizations receive exposure through Jersey Fresh television commercials and billboards.

Since its introduction in 1984, the Jersey Fresh Program has undergone many changes. The logo has been enhanced many times and has undergone new designs and changes in style. The Jersey Fresh-From the Garden State logo, which appeared in 1984, has been the most popular and standing logo (Zeldis, 1993). Apart from this logo the other logos that have been adopted include the Demand the Freshest campaign theme adopted in 1987, the Farm Fresh to You Each Morning campaign theme adopted in 1988, the Premium Jersey Fresh Logo from the regulatory component of the campaign started in 1988, and the Five-a-Day for Better Health campaign launched in 1992. All these campaigns helped the program to establish and enhance consumer awareness through the years (Gallup, 1988). As shown in Table 1, funding levels for

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the Jersey Fresh program funding have fluctuated greatly over the program's history. Funding peaked in 1988 and 1989 at \$1.25 million; however, funding declined dramatically over the next 3 years. In 1993, the program's budget was restored to \$1.26 million and was reduced slightly in 1997 and again in 2001. In 2003, the program's budget was reduced further to \$826,000.

| Year | Jersey Fresh Budget | | | |
|-------------|---------------------|--|--|--|
| 1984 | \$325,000 | | | |
| 1985 | \$625,000 | | | |
| 1986 | \$875,000 | | | |
| 1987 | \$1,125,000 | | | |
| 1988 | \$1,275,000 | | | |
| 1989 | \$1,275,000 | | | |
| 1990 | \$825,000 | | | |
| 1991 | \$125,000 | | | |
| 1992 | \$50,000 | | | |
| 1993 | \$300,000 | | | |
| 1994 | \$1,260,000 | | | |
| 1995 | \$1,260,000 | | | |
| 1996 | \$1,260,000 | | | |
| 1997 | \$1,160,000 | | | |
| 1998 | \$1,160,000 | | | |
| 1999 | \$1,160,000 | | | |
| 2000 | \$1,160,000 | | | |
| 2001 | \$1,016,000 | | | |
| 2002 | \$1,016,000 | | | |
| 2003 | \$826,000 | | | |
| Total | \$18,078,000 | | | |
| (1984-2003) | | | | |

Table 1: Expenditures on the Jersey Fresh Program (1984-2003).

This study evaluates the effectiveness of the Jersey Fresh Program in terms of the impact the promotional logos have on consumers. The results of this study could provide valuable information that can be applied not only to improve the Jersey Fresh Program but also in the promotion of other products of the state and in other states which have similar promotional programs.

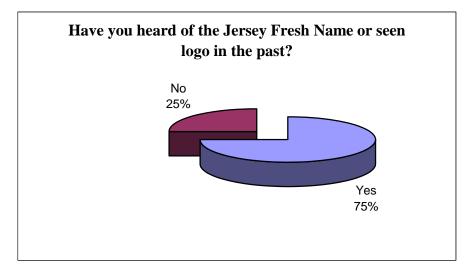
Data and Estimation

1000 questionnaires were mailed to single-family households, randomly selected from a population of more than 3 million households. A dollar bill was enclosed with each survey as a token of appreciation for the survey participants' time in completing the survey. The mailing list was obtained from www.infousa.com, a provider of sales and marketing support for all types of organizations. A total of 321 usable surveys were returned. A copy of the survey is attached.

Study Results

An important measure of the success of a promotional program is the brand recognition that it creates. In this regard, the Jersey Fresh program appears to be highly successful. As Figure 1 shows, seventy-five percent of respondents had either heard of Jersey Fresh and/or recognized the Jersey Fresh logo. According to the 1996





Jersey Fresh survey (Govindasamy et al., 1996), about 77% of the participants reported that they were aware of the Jersey Fresh Program and that they recognized the logo.

Tables 2 through 8 present the types of people and households more likely to recognize Jersey Fresh. In general, larger households of 4 or more recognized the Jersey Fresh program more than smaller households (see Table 2).

| | Heard about Jersey Fresh | | | | | | |
|-----------|--------------------------|---------|-----------|---------|-----------|---------|--|
| Household | Yes | | No | | Total | | |
| Size | Frequency | Percent | Frequency | Percent | Frequency | Percent | |
| 1 | 35 | 67.31% | 17 | 32.69% | 52 | 100.00% | |
| 2 | 77 | 77.00% | 23 | 23.00% | 100 | 100.00% | |
| 3 | 47 | 78.33% | 13 | 21.67% | 60 | 100.00% | |
| 4 | 48 | 81.36% | 11 | 18.64% | 59 | 100.00% | |
| 5 | 16 | 76.19% | 5 | 23.81% | 21 | 100.00% | |
| 6 | 12 | 80.00% | 3 | 20.00% | 15 | 100.00% | |
| 7 + | 2 | 100.00% | 0 | 0.00% | 2 | 100.00% | |
| Total | 237 | 76.70% | 72 | 23.30% | 309 | 100.00% | |

 Table 2: Recognized Jersey Fresh by Household Size

As Table 3 shows, a slightly higher proportion of women recognized Jersey Fresh than men. Seventy-eight percent of the women surveyed recognized Jersey Fresh while 74% of the men did.

 Table 3: Recognized Jersey Fresh by Sex

| | | esh | | | | |
|--------|-------------------|--------|-----------|---------|-----------|---------|
| | Yes | 5 | No |) | Total | |
| Sex | Frequency Percent | | Frequency | Percent | Frequency | Percent |
| Male | 86 | 74.14% | 30 | 25.86% | 116 | 100.00% |
| Female | 152 | 77.55% | 44 | 22.45% | 196 | 100.00% |
| Total | 238 | 76.28% | 74 | 23.72% | 312 | 100.00% |

As Table 4 shows, people aged 36-50 recognized Jersey Fresh more than other age groups.

| | Heard about Jersey Fresh | | | | | | |
|--------------|--------------------------|---------|-----------|---------|-----------|---------|--|
| Age | Yes | 5 | No | | Total | | |
| Distribution | Frequency | Percent | Frequency | Percent | Frequency | Percent | |
| 0-20 | 1 | 100.00% | | 0.00% | 1 | 100.00% | |
| 21-35 | 23 | 67.65% | 11 | 32.35% | 34 | 100.00% | |
| 36-50 | 99 | 81.82% | 22 | 18.18% | 121 | 100.00% | |
| 51-65 | 65 | 77.38% | 19 | 22.62% | 84 | 100.00% | |
| 65 and Above | 51 | 70.83% | 21 | 29.17% | 72 | 100.00% | |
| Total | 239 | 76.60% | 73 | 23.40% | 312 | 100.00% | |

 Table 4: Recognized Jersey Fresh by Age

As Table 5 shows, people with 2 or 4-year college degrees recognized Jersey Fresh more than other education levels. Seventy-nine percent of the people with 2 or 4year college degree recognized Jersey Fresh.

| Table 5: | Recognized | Jersey Fresh | by Education |
|----------|------------|--------------|--------------|
|----------|------------|--------------|--------------|

| | | Heard about Jersey Fresh | | | | | | | |
|---------------------|-----------|--------------------------|----|---------|-----------|---------|--|--|--|
| | Yes | 5 | No | | Total | | | | |
| Educational Levels | Frequency | Frequency Percent Fr | | Percent | Frequency | Percent | | | |
| No Formal Schooling | 1 | 50.00% | 1 | 50.00% | 2 | 100.00% | | | |
| Up to High School | 94 | 74.02% | 33 | 25.98% | 127 | 100.00% | | | |
| 2/4 College Degree | 96 | 79.34% | 25 | 20.66% | 121 | 100.00% | | | |
| Post Graduate | 45 | 76.27% | 14 | 23.73% | 59 | 100.00% | | | |
| Total | 236 | 76.38% | 73 | 23.62% | 309 | 100.00% | | | |

As Table 6 shows, employed people recognized Jersey Fresh slightly more than those in other occupation groups. Seventy-nine percent of the people employed by others recognized Jersey Fresh.

| | | Heard about Jersey Fresh | | | | | | |
|--------------------|-----------|--------------------------|-----------|---------|-----------|---------|--|--|
| | Yes | 6 | No | | Total | | | |
| Occupation | Frequency | Percent | Frequency | Percent | Frequency | Percent | | |
| Retired | 54 | 73.97% | 19 | 26.03% | 73 | 100.00% | | |
| Self-employed | 29 | 74.36% | 10 | 25.64% | 39 | 100.00% | | |
| Employed by others | 118 | 79.19% | 31 | 20.81% | 149 | 100.00% | | |
| Homemaker | 28 | 73.68% | 10 | 26.32% | 38 | 100.00% | | |
| Others | 9 | 81.82% | 2 | 18.18% | 11 | 100.00% | | |
| Total | 238 | 76.76% | 72 | 23.24% | 310 | 100.00% | | |

 Table 6: Recognized Jersey Fresh by Occupation

As Table 7 shows, people with higher incomes recognized Jersey Fresh the most while the people with the lowest income levels recognized Jersey Fresh the least. Only 60% of those people with income less than \$20,000 recognized Jersey Fresh, 68% of people surveyed with income between \$20,000 and \$39,000 recognized Jersey Fresh, while 80% of all respondents with income levels greater than \$40,000 did recognize Jersey Fresh.

| | Heard about Jersey Fresh | | | | | | |
|---------------|--------------------------|---------|-----------|---------|-----------|---------|--|
| Income | Yes | 5 | No | | Tot | al | |
| (dollars) | Frequency | Percent | Frequency | Percent | Frequency | Percent | |
| Up to 20,000 | 18 | 60.00% | 12 | 40.00% | 30 | 100.00% | |
| 20,000-39,000 | 32 | 68.09% | 15 | 31.91% | 47 | 100.00% | |
| 40,000-59,000 | 37 | 80.43% | 9 | 19.57% | 46 | 100.00% | |
| 60,000-79,000 | 31 | 81.58% | 7 | 18.42% | 38 | 100.00% | |
| 80,000-99,000 | 21 | 72.41% | 8 | 27.59% | 29 | 100.00% | |
| 100,000-More | 71 | 81.61% | 16 | 18.39% | 87 | 100.00% | |
| Total | 210 | 75.81% | 67 | 24.19% | 277 | 100.00% | |

Table 7: Recognized Jersey Fresh by Income

As Table 8 shows, married people recognized Jersey Fresh more than single, widowed and separated people. Divorced people recognized Jersey Fresh slightly less than married people. Seventy-nine of the married people surveyed recognized Jersey

Fresh while 75% of divorced people recognized Jersey Fresh.

| | Heard about Jersey Fresh | | | | | | | |
|-------------|--------------------------|---------|-----------|---------|-----------|---------|--|--|
| Marital | Yes | 6 | No | | Total | | | |
| Status | Frequency | Percent | Frequency | Percent | Frequency | Percent | | |
| Single | 26 | 72.22% | 10 | 27.78% | 36 | 100.00% | | |
| Separate | 2 | 66.67% | 1 | 33.33% | 3 | 100.00% | | |
| Widower (d) | 19 | 63.33% | 11 | 36.67% | 30 | 100.00% | | |
| Divorced | 21 | 75.00% | 7 | 25.00% | 28 | 100.00% | | |
| Married | 162 | 79.02% | 43 | 20.98% | 205 | 100.00% | | |
| Other | 5 | 62.50% | 3 | 37.50% | 8 | 100.00% | | |
| Total | 235 | 75.81% | 75 | 24.19% | 310 | 100.00% | | |

 Table 8: Heard about Jersey Fresh by Marital Status

Survey respondents were asked to identify all of the places they have seen the Jersey Fresh logo or have heard about Jersey Fresh. As Table 9 shows, produce displays, television commercials and roadside markets were the top three answers. Seventy-six percent of respondents indicated that they have seen Jersey Fresh produce displays in a supermarket or other food store. Fifty-three percent of respondents indicated that they have seen Jersey Fresh television advertisements, while 40% noticed Jersey Fresh material at roadside stands.

| Place | Frequency | Percentage |
|--------------------------------|-----------|------------|
| Produce displays | 181 | 76% |
| TV Ads | 126 | 53% |
| Roadside market Stands | 96 | 40% |
| Retailer Advertisements | 88 | 37% |
| Billboards | 85 | 36% |
| Price Cards of Produce | 58 | 24% |
| Posters and Stickers | 54 | 23% |
| Radio Ads | 51 | 21% |
| Dept. of Agriculture Personnel | 7 | 3% |
| Others | 2 | 1% |

 Table 9: Places Consumers Have Seen or Heard About Jersey Fresh

Survey respondents were asked to identify the types of products they associate with Jersey Fresh. As Table 10 shows, New Jersey Farmers' Produce and Quality Produce were the top 2 most frequently cited answers. Eighty-seven percent of respondents indicated that they associate Jersey Fresh with New Jersey produce and 58% of respondents indicated that they associate Jersey Fresh with quality produce.

| Association | Frequency | Percentage |
|-------------------------|-----------|------------|
| NJ Farmers' Produce | 207 | 87% |
| Quality Produce | 138 | 58% |
| NJ Dept. of Agriculture | 55 | 23% |
| Dairy and Eggs | 30 | 13% |
| Meat from NJ | 8 | 3% |
| Other | 2 | 1% |

 Table 10: Consumers Association of the Jersey Fresh Logo

Figure 2 lists various charts depicting consumer's perceptions regarding Jersey Fresh produce. New Jersey consumers consider Jersey Fresh produce to be of high quality. For example, 60% of respondents consider Jersey Fresh produce to be higher quality than produce from other states, and 68% consider Jersey Fresh produce to be higher quality than produce from other countries.

Consumers also indicated that Jersey Fresh displays actually induce changes in their buying habits. For instance, 11% said they definitely purchase more produce when Jersey Fresh is available, and 40% said they occasionally purchase more produce when it is Jersey Fresh. Furthermore, 27% of respondents said they would change their usual shopping location in order to purchase Jersey Fresh produce, and 50% said they would occasionally change their usual shopping location.

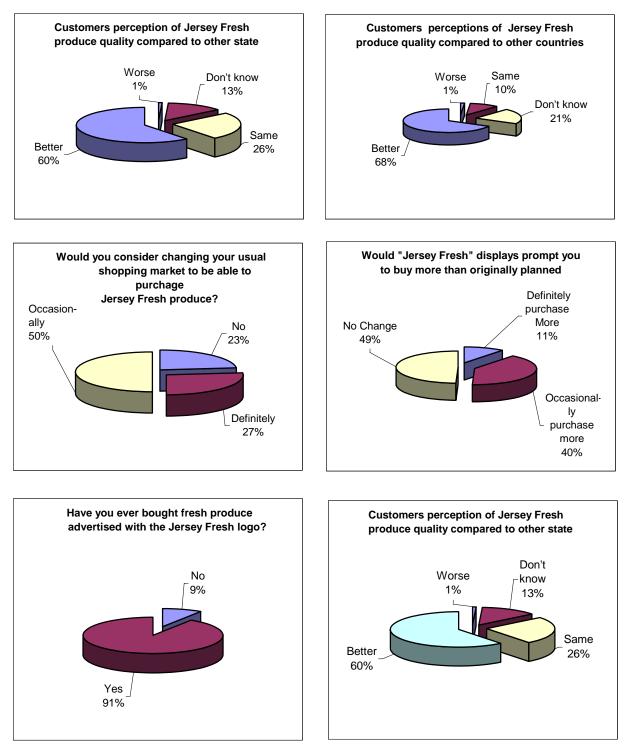


Figure 2. Various Consumer Perceptions of Jersey Fresh

While 91% of respondents indicated that they have purchased Jersey Fresh produce, 92% said they would prefer a greater selection of Jersey Fresh produce. The information in Figure 2 suggests that the Jersey Fresh program is a having a positive impact on New Jersey fruit and vegetable revenues. In addition, there appears to be opportunities to capture even more of consumers demand for fresh fruit and vegetables.

Base on the survey results, the average consumer spends approximately \$52 per month on Jersey Fresh produce, or \$624 per year. In total, the average consumer spends approximately \$70 per month on all produce, or \$840 per year. In general, consumers are willing to pay more for Jersey Fresh produce. The majority (65%) of surveyed consumers said they would be willing to pay at least a 1%-5% more for Jersey Fresh produce. Forty-six percent of those consumers surveyed said they would be willing to pay between 1% and 5% more for Jersey Fresh produce, while 14% said they would be willing to pay between 1% and 5% more. Thirty-five percent of survey respondents said they would be willing to pay between 11% and 15% more.

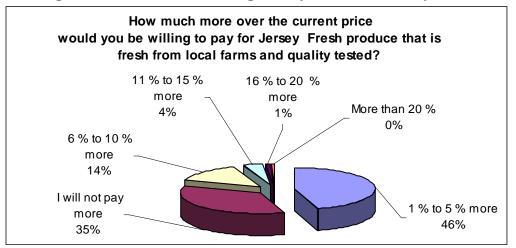


Figure 3. Consumers Willing to Pay More for Jersey Fresh

As Table 11 shows, female respondents were more willing to pay an additional premium for Jersey Fresh produce as compared to male respondents. Seventy percent of female respondents said they would be willing to pay at least 1% to 5% more for Jersey Fresh produce, while 60% of male respondents said they would be willing to pay more. Furthermore, homemakers were more likely to pay more for Jersey Fresh produce than any other group (see Table 12). Seventy-seven percent of homemakers indicated that they would be willing to pay at least 1% to 5% more for Jersey Fresh produce. However, homemakers were the least likely to pay more than a 5% premium for Jersey Fresh produce. This underscores the homemakers' desire to find the best balance between quality and price. Additionally, married respondents were more likely to pay at least 1% to 5% more for Jersey Fresh produce.

| Willing to Pay More | | | Sex | |
|------------------------|-----------|--------|---------|---------|
| (Percent) | | Male | Female | Total |
| | Frequency | 34 | 43 | 77 |
| Not Pay | Percent | 44.16% | 55.84% | 100.00% |
| | Frequency | 33 | 70 | 103 |
| 1% to 5% | Percent | 32.04% | 67.96% | 100.00% |
| | Frequency | 12 | 20 | 32 |
| 6% to 10% | Percent | 37.50% | 62.50% | 100.00% |
| | Frequency | 5 | 4 | 9 |
| 11% to 15% | Percent | 55.56% | 44.44% | 100.00% |
| | Frequency | 0 | 4 | 4 |
| 16% + | Percent | 0.00% | 100.00% | 100.00% |
| | Frequency | 84 | 141 | 225 |
| Total | Percent | 37.33% | 62.67% | 100.00% |

Table 11: Willing to Pay More for Jersey Fresh by Sex

| | | Occupation | | | | | | | |
|-------------------------------------|-----------|------------|-------------------|-----------------------|-----------|--------|---------|--|--|
| Willing to Pay More (Percent) | | Retired | Self- employed | Employed by others | Homemaker | Others | Total | | |
| | Frequency | 22 | 12 | 39 | 6 | 1 | 80 | | |
| Not Pay | Percent | 27.50% | 15.00% | 48.75% | 7.50% | 1.25% | 100.00% | | |
| | Frequency | 23 | 8 | 47 | 17 | 6 | 101 | | |
| 1% to 5% | Percent | 22.77% | 7.92% | 46.53% | 16.83% | 5.94% | 100.00% | | |
| | Frequency | 5 | 4 | 21 | 1 | 1 | 32 | | |
| 6% to 10% | Percent | 15.63% | 12.50% | 65.63% | 3.13% | 3.13% | 100.00% | | |
| | Frequency | 0 | 4 | 5 | 0 | 0 | 9 | | |
| 11% to 15% | Percent | 0.00% | 44.44% | 55.56% | 0.00% | 0.00% | 100.00% | | |
| | Frequency | 1 | 0 | 1 | 2 | 0 | 4 | | |
| 16% + | Percent | 25.00% | 0.00% | 25.00% | 50.00% | 0.00% | 100.00% | | |
| | Frequency | 51 | 28 | 113 | 26 | 8 | 226 | | |
| Total | Percent | 22.57% | 12.39% | 50.00% | 11.50% | 3.54% | 100.00% | | |

Table 12: Willing to Pay More for Jersey Fresh by Occupation

 Table 13: Willing to Pay More for Jersey Fresh by Number of persons in a Family

| Willing to Pay More | | | | | Hous | sehold Siz | ze | | | |
|------------------------|-----------|--------|--------|--------|--------|------------|-------|-------|-------|---------|
| (Percent) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total |
| | Frequency | 13 | 23 | 15 | 17 | 4 | 4 | 0 | 1 | 77 |
| Not Pay | Percent | 16.88% | 29.87% | 19.48% | 22.08% | 5.19% | 5.19% | 0.00% | 1.30% | 100.00% |
| | Frequency | 10 | 37 | 19 | 19 | 9 | 7 | 0 | 1 | 102 |
| 1% to 5% | Percent | 9.80% | 36.27% | 18.63% | 18.63% | 8.82% | 6.86% | 0.00% | 0.98% | 100.00% |
| | Frequency | 4 | 10 | 7 | 8 | 3 | 0 | 0 | 0 | 32 |
| 6% to 10% | Percent | 12.50% | 31.25% | 21.88% | 25.00% | 9.38% | 0.00% | 0.00% | 0.00% | 100.00% |
| | Frequency | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 9 |
| 11% to 15% | Percent | 33.33% | 44.44% | 22.22% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 100.00% |
| | Frequency | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| 16% + | Percent | 50.00% | 25.00% | 0.00% | 25.00% | 0.00% | 0.00% | 0.00% | 0.00% | 100.00% |
| | Frequency | 32 | 75 | 43 | 45 | 16 | 11 | 0 | 2 | 224 |
| Total | Percent | 14.28% | 33.48% | 19.20% | 20.09% | 7.14% | 4.91% | 0.00% | 0.90% | 100.00% |

As Table 13 shows, larger households were more willing to pay an additional premium for Jersey Fresh produce; however, larger households were only willing to spend up to 10% more. Single person households were the least likely to pay an additional premium for Jersey Fresh.

As people age, their willingness to pay a premium for Jersey Fresh produce increases; however, people 65 and older are the least willing to spend additional money on Jersey Fresh produce (see Table 14). The results in Table 14 are most likely caused by the direct relationship between age and income. Indeed, people with higher income were more willing to pay an additional premium for Jersey Fresh produce. However, the willingness to pay more for Jersey Fresh produce actually decreases at the highest income levels (see Figure 4 and Table 15).

| Willing to | | Age Distribution | | | | | | | | |
|-----------------------|-----------|------------------|--------|--------|--------|-----------------|---------|--|--|--|
| Pay More (Percent) | | 0-20 | 21-35 | 36-50 | 51-65 | 65 and Above | Total | | | |
| | Frequency | 0 | 4 | 34 | 23 | 19 | 80 | | | |
| Not Pay | Percent | 0.00% | 5.00% | 42.50% | 28.75% | 23.75% | 100.00% | | | |
| | Frequency | 1 | 15 | 37 | 28 | 21 | 102 | | | |
| 1% to 5% | Percent | 0.98% | 14.71% | 36.27% | 27.45% | 20.59% | 100.00% | | | |
| | Frequency | 0 | 2 | 21 | 5 | 4 | 32 | | | |
| 6% to 10% | Percent | 0.00% | 6.25% | 65.63% | 15.63% | 12.50% | 100.00% | | | |
| | Frequency | 0 | 1 | 0 | 7 | 1 | 9 | | | |
| 11% to 15% | Percent | 0.00% | 11.11% | 0.00% | 77.78% | 11.11% | 100.00% | | | |
| | Frequency | 0 | 0 | 3 | 0 | 1 | 4 | | | |
| 16% + | Percent | 0.00% | 0.00% | 75.00% | 0.00% | 25.00% | 100.00% | | | |
| | Frequency | 1 | 22 | 95 | 63 | 46 | 227 | | | |
| Total | Percent | 0.44% | 9.69% | 41.85% | 27.75% | 20.26% | 100.00% | | | |

 Table 14: Willing to Pay More for Jersey Fresh by Age



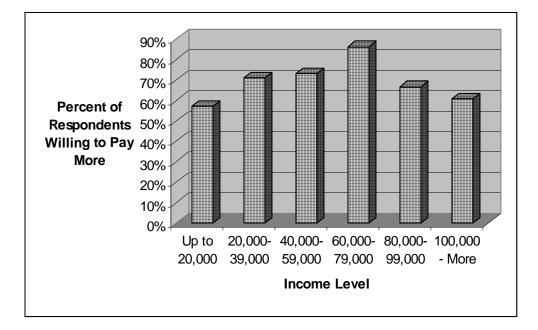


Table 15: Willing to Pay More for Jersey Fresh by Income

| Willing to | | Income (dollars) | | | | | | | | |
|-----------------------|-----------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|--|--|
| Pay More (Percent) | | Up to 20,000 | 20,000- 39,000 | 40,000- 59,000 | 60,000- 79,000 | 80,000- 99,000 | 100,000 - More | Total | | |
| | Frequency | 6 | 9 | 10 | 4 | 7 | 27 | 63 | | |
| Not Pay | Percent | 9.52% | 14.29% | 15.87% | 6.35% | 11.11% | 42.86% | 100.00% | | |
| | Frequency | 6 | 17 | 17 | 22 | 7 | 25 | 94 | | |
| 1% to 5% | Percent | 6.38% | 18.09% | 18.09% | 23.40% | 7.45% | 26.60% | 100.00% | | |
| | Frequency | 1 | 4 | 8 | 2 | 1 | 15 | 31 | | |
| 6% to 10% | Percent | 3.23% | 12.90% | 25.81% | 6.45% | 3.23% | 48.39% | 100.00% | | |
| | Frequency | 1 | 0 | 2 | 0 | 5 | 1 | 9 | | |
| 11% to 15% | Percent | 11.11% | 0.00% | 22.22% | 0.00% | 55.56% | 11.11% | 100.00% | | |
| | Frequency | 0 | 1 | 0 | 1 | 1 | 1 | 4 | | |
| 16% + | Percent | 0.00% | 25.00% | 0.00% | 25.00% | 25.00% | 25.00% | 100.00% | | |
| | Frequency | 14 | 31 | 37 | 29 | 21 | 69 | 201 | | |
| Total | Percent | 6.97% | 15.42% | 18.41% | 14.43% | 10.45% | 34.33% | 100.00% | | |

As Table 16 shows, respondents with more years of education were more willing to pay a premium for Jersey Fresh produce increases. For example, 68% of those respondents with a 2-year or 4-year college degree were willing to pay more for Jersey Fresh produce, while only 61% of high school graduates were willing to pay more.

| | | | Educational Levels | | | | | | |
|-------------------------------------|-----------|---------------------------|-------------------------|--------------------------|------------------|---------|--|--|--|
| Willing to Pay More (Percent) | | No Formal Schooling | Up to High School | 2/4 College Degree | Post Graduate | Total | | | |
| | Frequency | 1 | 34 | 30 | 13 | 78 | | | |
| Not Pay | Percent | 1.28% | 43.59% | 38.46% | 16.67% | 100.00% | | | |
| | Frequency | 0 | 39 | 44 | 18 | 101 | | | |
| 1% to 5% | Percent | 0.00% | 38.61% | 43.56% | 17.82% | 100.00% | | | |
| | Frequency | 0 | 12 | 14 | 6 | 32 | | | |
| 6% to 10% | Percent | 0.00% | 37.50% | 43.75% | 18.75% | 100.00% | | | |
| | Frequency | 0 | 1 | 5 | 3 | 9 | | | |
| 11% to 15% | Percent | 0.00% | 11.11% | 55.56% | 33.33% | 100.00% | | | |
| | Frequency | 0 | 2 | 0 | 2 | 4 | | | |
| 16% + | Percent | 0.00% | 50.00% | 0.00% | 50.00% | 100.00% | | | |
| | Frequency | 1 | 88 | 93 | 42 | 224 | | | |
| Total | Percent | 0.45% | 39.29% | 41.52% | 18.75% | 100.00% | | | |

Table 16: Willing to Pay More for Jersey Fresh by Education

As Table 17 shows, married respondents were more willing to pay an additional premium for Jersey Fresh produce while divorced people were the least likely group to pay more for Jersey Fresh produce. However, single people were more likely to pay 11% or more additional premium for Jersey Fresh produce than any other group, possibly because single people have more disposable income than the other marital status groups.

| Willing to | | Marital Status | | | | | | | | |
|-----------------------|-----------|----------------|----------|----------------|----------|---------|-------|---------|--|--|
| Pay More (Percent) | | Single | Separate | Widower (d) | Divorced | Married | Other | Total | | |
| | Frequency | 10 | 0 | 7 | 9 | 47 | 3 | 76 | | |
| Not Pay | Percent | 13.16% | 0.00% | 9.21% | 11.84% | 61.84% | 3.95% | 100.00% | | |
| | Frequency | 7 | 1 | 9 | 7 | 77 | 2 | 103 | | |
| 1% to 5% | Percent | 6.80% | 0.97% | 8.74% | 6.80% | 74.76% | 1.94% | 100.00% | | |
| | Frequency | 5 | 1 | 1 | 1 | 24 | 0 | 32 | | |
| 6% to 10% | Percent | 15.63% | 3.13% | 3.13% | 3.13% | 75.00% | 0.00% | 100.00% | | |
| | Frequency | 2 | 0 | 0 | 1 | 6 | 0 | 9 | | |
| 11% to 15% | Percent | 22.22% | 0.00% | 0.00% | 11.11% | 66.67% | 0.00% | 100.00% | | |
| | Frequency | 1 | 0 | 0 | 1 | 2 | 0 | 4 | | |
| 16% + | Percent | 25.00% | 0.00% | 0.00% | 25.00% | 50.00% | 0.00% | 100.00% | | |
| | Frequency | 25 | 2 | 17 | 19 | 156 | 5 | 224 | | |
| Total | Percent | 11.16% | 0.89% | 7.59% | 8.48% | 69.64% | 2.23% | 100.00% | | |

 Table 17: Willing to Pay More for Jersey Fresh by Marital Status

Figure 5 presents more graphical representations of consumer behavior and perceptions with regard to Jersey Fresh produce. Fifteen percent of consumers surveyed indicated that they always look specifically for Jersey Fresh logo items, while 62% said they occasionally look for Jersey Fresh logo items, and 23% said they never look for the Jersey Fresh logo.

With regard to price, 22% of consumers said the price of Jersey Fresh produce was higher than expected while 41% said the Jersey Fresh price was the same as other fresh produce. In terms of freshness, 65% of consumers surveyed said that Jersey Fresh produce was very fresh compared to other produce, while 22% said that Jersey Fresh produce was the same as other fresh produce. In terms of quality, 59% of consumers indicated that Jersey Fresh produce represented better quality as compared to other fresh produce, while 26% of consumers thought the quality was the same as other fresh produce. In terms of packaging, 55% of consumers surveyed thought that

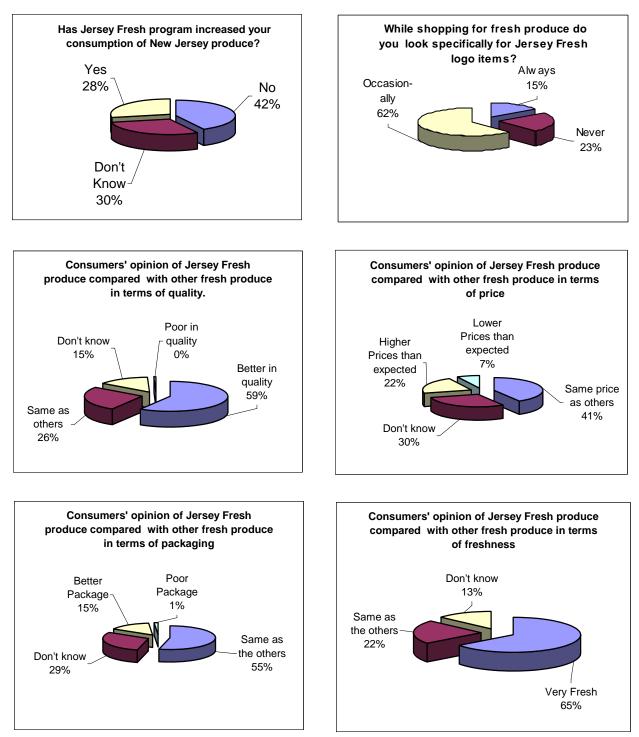


Figure 5. Consumers Behavior and Perceptions of Jersey Fresh

the Jersey Fresh packaging was the same as other fresh produce, while 15% thought that Jersey Fresh packaging was better, and 1% thought Jersey Fresh produce packaging was poor in comparison to other fresh produce.

In general, consumers want to purchase locally grown fresh produce. Eighty-six percent of surveyed consumers actually wish to buy produce that is grown on New Jersey farms; however, only 15% of consumers always look for Jersey Fresh produce and 62% only look for it occasionally. This indicates that there may be an opportunity to capture more of the produce market, either through increased marketing or by making Jersey Fresh produce more visible and more widely available.

Table 18 reveals consumers' preferences regarding different types of food advertisements. Not surprisingly, special price tags were most appealing to the consumers surveyed, 68% said that special price tags were more attractive, while only 4% indicated that special price tags were less attractive. Special in-store demonstrations were the second most attractive type of advertisement (47% of respondents), followed by colorful stickers (33%), posters and banners (31%), and brochures (25%). Indeed, brochures were the least attractive type of advertisement among consumers surveyed.

| Table 18: Consumer appeal towar | rd different types of food advertisements |
|---------------------------------|---|
|---------------------------------|---|

| | More Attractive | | Neutr | al | Less Attractive | | |
|------------------------|-----------------|-----|-----------|-----|-----------------|-----|--|
| Туре | Frequency | % | Frequency | % | Frequency | % | |
| Special price tags | 196 | 68% | 82 | 28% | 12 | 4% | |
| Special in-store demos | 129 | 47% | 115 | 41% | 33 | 12% | |
| Colorful stickers | 91 | 33% | 153 | 55% | 34 | 12% | |
| Posters and Banners | 84 | 31% | 155 | 57% | 33 | 12% | |
| Brochures | 67 | 25% | 147 | 54% | 57 | 21% | |

Survey respondents were asked to indicate how much of each type of fresh produce they purchase during the year. They were given 5 types of produce and given 4 different relative amounts (all, most, some, none). The results are presented in Table 19. In general, consumers purchase a mixed assortment of produce from a number of different sources. Fifty-nine percent of respondents said some of their produce was Jersey Fresh, while 27% said that most of their produce was Jersey Fresh, and 9% said that all of their purchased produce was Jersey Fresh.

| | All | | Most | Some | | None | | |
|--------------------------|-----------|----|-----------|------|-----------|------|-----------|-----|
| Туре | Frequency | % | Frequency | % | Frequency | % | Frequency | % |
| Jersey Fresh Produce | 24 | 9% | 73 | 27% | 159 | 59% | 12 | 5% |
| Locally grown Produce | 16 | 6% | 91 | 33% | 163 | 59% | 6 | 2% |
| Vine ripened Produce | 12 | 4% | 31 | 12% | 192 | 70% | 38 | 14% |
| Out-of-state Produce | 6 | 2% | 57 | 21% | 201 | 73% | 11 | 4% |
| Organic Produce | 3 | 1% | 12 | 4% | 109 | 40% | 148 | 55% |

 Table 19: Relative Quantities of Fresh Produce Bought by Consumers in 2003

As expected, larger households tend to spend more on Jersey Fresh produce (see Table 20). For example, 64% of respondents whose household size was 3 persons or less spent less than \$30 per month on Jersey Fresh produce. By contrast, the majority of respondents whose household size was 4 persons or more spent more than \$30 per month on Jersey Fresh produce.

| Jersey Fresh Expenditure | | | Household Size | | | | | | | | | |
|-----------------------------|-----------|--------|----------------|--------|--------|--------|--------|-------|-------|---------|--|--|
| (dollars) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total | | |
| | Frequency | 1 | 3 | 4 | 1 | 1 | 1 | 0 | 0 | 11 | | |
| 0-10 | Percent | 9.09% | 27.27% | 36.36% | 9.09% | 9.09% | 9.09% | 0.00% | 0.00% | 100.00% | | |
| | Frequency | 6 | 12 | 7 | 5 | 3 | 2 | 0 | 1 | 36 | | |
| 10-20 | Percent | 16.67% | 33.33% | 19.44% | 13.89% | 8.33% | 5.56% | 0.00% | 2.78% | 100.00% | | |
| | Frequency | 5 | 10 | 3 | 4 | 2 | 0 | 0 | 0 | 24 | | |
| 20-30 | Percent | 20.83% | 41.67% | 12.50% | 16.67% | 8.33% | 0.00% | 0.00% | 0.00% | 100.00% | | |
| | Frequency | 2 | 2 | 2 | 2 | 3 | 1 | 0 | 0 | 12 | | |
| 30-40 | Percent | 16.67% | 16.67% | 16.67% | 16.67% | 25.00% | 8.33% | 0.00% | 0.00% | 100.00% | | |
| | Frequency | 1 | 5 | 0 | 3 | 1 | 2 | 0 | 0 | 12 | | |
| 40-50 | Percent | 8.33% | 41.67% | 0.00% | 25.00% | 8.33% | 16.67% | 0.00% | 0.00% | 100.00% | | |
| | Frequency | 4 | 7 | 6 | 5 | 2 | 1 | 0 | 0 | 25 | | |
| 50-More | Percent | 16.00% | 28.00% | 24.00% | 20.00% | 8.00% | 4.00% | 0.00% | 0.00% | 100.00% | | |
| | Frequency | 19 | 39 | 22 | 20 | 12 | 7 | 0 | 1 | 120 | | |
| Total | Percent | 15.83% | 32.50% | 18.33% | 16.67% | 10.00% | 5.83% | 0.00% | 0.83% | 100.00% | | |

 Table 20: Jersey Fresh Expenditure per Month by Number of persons in a Family

 Table 21: Jersey Fresh Expenditure per Month by Sex

| Jersey Fresh Expenditure | | | Sex | |
|-----------------------------|-----------|--------|--------|---------|
| (dollars) | | Male | Female | Total |
| | Frequency | 1 | 10 | 11 |
| 0-10 | Percent | 9.09% | 90.91% | 100.00% |
| | Frequency | 14 | 23 | 37 |
| 10-20 | Percent | 37.84% | 62.16% | 100.00% |
| | Frequency | 7 | 17 | 24 |
| 20-30 | Percent | 29.17% | 70.83% | 100.00% |
| | Frequency | 3 | 9 | 12 |
| 30-40 | Percent | 25.00% | 75.00% | 100.00% |
| | Frequency | 5 | 7 | 12 |
| 40-50 | Percent | 41.67% | 58.33% | 100.00% |
| | Frequency | 14 | 11 | 25 |
| 50-More | Percent | 56.00% | 44.00% | 100.00% |
| | Frequency | 44 | 77 | 121 |
| Total | Percent | 36.36% | 63.64% | 100.00% |

Table 21 shows the breakdown of monthly Jersey Fresh expenditures by sex. In general, female respondents tended to spend slightly less than males. For example, 35% of female respondents spent \$30 or more per month while 50% of male respondents spent \$30 or more per month on Jersey Fresh produce.

| Jersey Fresh | | | | Age D | istribution | 1 | |
|--------------------------|-----------|-------|--------|--------|-------------|-----------------|---------|
| Expenditure (dollars) | | 0-20 | 21-35 | 36-50 | 51-65 | 65 and Above | Total |
| | Frequency | 0 | 1 | 3 | 4 | 3 | 11 |
| 0-10 | Percent | 0.00% | 9.09% | 27.27% | 36.36% | 27.27% | 100.00% |
| | Frequency | 0 | 6 | 15 | 7 | 9 | 37 |
| 10-20 | Percent | 0.00% | 16.22% | 40.54% | 18.92% | 24.32% | 100.00% |
| | Frequency | 0 | 3 | 12 | 6 | 3 | 24 |
| 20-30 | Percent | 0.00% | 12.50% | 50.00% | 25.00% | 12.50% | 100.00% |
| | Frequency | 0 | 2 | 6 | 3 | 1 | 12 |
| 30-40 | Percent | 0.00% | 16.67% | 50.00% | 25.00% | 8.33% | 100.00% |
| | Frequency | 0 | 3 | 3 | 4 | 2 | 12 |
| 40-50 | Percent | 0.00% | 25.00% | 25.00% | 33.33% | 16.67% | 100.00% |
| | Frequency | 0 | 0 | 10 | 8 | 7 | 25 |
| 50-More | Percent | 0.00% | 0.00% | 40.00% | 32.00% | 28.00% | 100.00% |
| | Frequency | 0 | 15 | 49 | 32 | 25 | 121 |
| Total | Percent | 0.00% | 12.40% | 40.50% | 26.45% | 20.66% | 100.00% |

Table 22: Jersey Fresh Expenditure per Month by Age

Table 22 shows the breakdown of monthly Jersey Fresh expenditures by age group. In general, it appears that younger age groups tend to spend less money on Jersey Fresh produce than older age groups.

Table 23 shows the breakdown of monthly Jersey Fresh expenditures by education levels. It is difficult to make generalizations of Jersey Fresh expenditure levels based on education.

| | | | Educational Levels | | | | | | | | |
|---|-----------|---------------------------|-------------------------|--------------------------|------------------|---------|--|--|--|--|--|
| Jersey Fresh Expenditure (dollars) | | No Formal Schooling | Up to High School | 2/4 College Degree | Post Graduate | Total | | | | | |
| | Frequency | 0 | 5 | 5 | 1 | 11 | | | | | |
| 0-10 | Percent | 0.00% | 45.45% | 45.45% | 9.09% | 100.00% | | | | | |
| | Frequency | 0 | 13 | 19 | 5 | 37 | | | | | |
| 10-20 | Percent | 0.00% | 35.14% | 51.35% | 13.51% | 100.00% | | | | | |
| | Frequency | 0 | 11 | 7 | 6 | 24 | | | | | |
| 20-30 | Percent | 0.00% | 45.83% | 29.17% | 25.00% | 100.00% | | | | | |
| | Frequency | 0 | 6 | 5 | 1 | 12 | | | | | |
| 30-40 | Percent | 0.00% | 50.00% | 41.67% | 8.33% | 100.00% | | | | | |
| | Frequency | 0 | 3 | 7 | 2 | 12 | | | | | |
| 40-50 | Percent | 0.00% | 25.00% | 58.33% | 16.67% | 100.00% | | | | | |
| | Frequency | 0 | 12 | 9 | 2 | 23 | | | | | |
| 50-More | Percent | 0.00% | 52.17% | 39.13% | 8.70% | 100.00% | | | | | |
| | Frequency | 0 | 50 | 52 | 17 | 119 | | | | | |
| Total | Percent | 0.00% | 42.02% | 43.70% | 14.29% | 100.00% | | | | | |

Table 23: Jersey Fresh Expenditure per Month by Education

Table 24: Jersey Fresh Expenditure per Month by Occupation

| Jersey | | | Occupation | | | | | | | | | |
|-----------------------------------|-----------|---------|------------|----------|--------|--------|---------|--|--|--|--|--|
| Fresh Expenditure (dollars) | | Retired | | Employed | | Others | Total | | | | | |
| | Frequency | 1 | 1 | 8 | 1 | 0 | 11 | | | | | |
| 0-10 | Percent | 9.09% | 9.09% | 72.73% | 9.09% | 0.00% | 100.00% | | | | | |
| | Frequency | 11 | 1 | 18 | 4 | 3 | 37 | | | | | |
| 10-20 | Percent | 29.73% | 2.70% | 48.65% | 10.81% | 8.11% | 100.00% | | | | | |
| | Frequency | 5 | 2 | 14 | 3 | 0 | 24 | | | | | |
| 20-30 | Percent | 20.83% | 8.33% | 58.33% | 12.50% | 0.00% | 100.00% | | | | | |
| | Frequency | 1 | 2 | 7 | 2 | 0 | 12 | | | | | |
| 30-40 | Percent | 8.33% | 16.67% | 58.33% | 16.67% | 0.00% | 100.00% | | | | | |
| | Frequency | 3 | 2 | 5 | 0 | 1 | 11 | | | | | |
| 40-50 | Percent | 27.27% | 18.18% | 45.45% | 0.00% | 9.09% | 100.00% | | | | | |
| | Frequency | 6 | 5 | 11 | 2 | 1 | 25 | | | | | |
| 50-More | Percent | 24.00% | 20.00% | 44.00% | 8.00% | 4.00% | 100.00% | | | | | |
| | Frequency | 27 | 13 | 63 | 12 | 5 | 120 | | | | | |
| Total | Percent | 22.50% | 10.83% | 52.50% | 10.00% | 4.17% | 100.00% | | | | | |

Interestingly, self-employed respondents tend to spend the most money on Jersey Fresh produce (see Table 24). For example, 69% of self-employed respondents spent more than \$30 per month on Jersey Fresh produce. By contrast, the majority of all other occupation groups spent less than \$30 per month on Jersey Fresh produce.

| Jersey Fresh | | Income (dollars) | | | | | | | | |
|--------------------------|-----------|------------------|-------------------|--------|--------|--------|--------|---------|--|--|
| Expenditure (dollars) | | Up to 20,000 | 100,000 - More | Total | | | | | | |
| | Frequency | 0 | 1 | 1 | 4 | 3 | 2 | 11 | | |
| 0-10 | Percent | 0.00% | 9.09% | 9.09% | 36.36% | 27.27% | 18.18% | 100.00% | | |
| | Frequency | 6 | 5 | 8 | 5 | 3 | 8 | 35 | | |
| 10-20 | Percent | 17.14% | 14.29% | 22.86% | 14.29% | 8.57% | 22.86% | 100.00% | | |
| | Frequency | 1 | 3 | 1 | 8 | 3 | 6 | 22 | | |
| 20-30 | Percent | 4.55% | 13.64% | 4.55% | 36.36% | 13.64% | 27.27% | 100.00% | | |
| | Frequency | 2 | 5 | 2 | 0 | 0 | 3 | 12 | | |
| 30-40 | Percent | 16.67% | 41.67% | 16.67% | 0.00% | 0.00% | 25.00% | 100.00% | | |
| | Frequency | 1 | 2 | 2 | 0 | 2 | 4 | 11 | | |
| 40-50 | Percent | 9.09% | 18.18% | 18.18% | 0.00% | 18.18% | 36.36% | 100.00% | | |
| | Frequency | 1 | 3 | 5 | 3 | 1 | 9 | 22 | | |
| 50-More | Percent | 4.55% | 13.64% | 22.73% | 13.64% | 4.55% | 40.91% | 100.00% | | |
| | Frequency | 11 | 19 | 19 | 20 | 12 | 32 | 113 | | |
| Total | Percent | 9.73% | 16.81% | 16.81% | 17.70% | 10.62% | 28.32% | 100.00% | | |

 Table 25: Jersey Fresh Expenditure per Month by Income level

Table 25 shows the breakdown of monthly Jersey Fresh expenditures by income levels. Surprisingly, the two groups most likely to spend less than \$30 per week on Jersey Fresh were at the upper end of the income range.

Eighty-five percent of the \$60,000-\$79,000 income group and 75% of the \$80,000-\$99,000 income group spent less than \$30 per month on Jersey Fresh produce.

As expected, married respondents spent more on Jersey Fresh produce than the other groups (see Table 26). In addition, divorced respondents spent more than widowed and single respondents.

| Jersey Fresh | | Marital Status | | | | | | | | | | |
|--------------------------|-----------|----------------|----------|----------------|----------|---------|-------|---------|--|--|--|--|
| Expenditure (dollars) | | Single | Separate | Widower (d) | Divorced | Married | Other | Total | | | | |
| | Frequency | 1 | 0 | 3 | 0 | 6 | 0 | 10 | | | | |
| 0-10 | Percent | 10.00% | 0.00% | 30.00% | 0.00% | 60.00% | 0.00% | 100.00% | | | | |
| | Frequency | 4 | 0 | 7 | 3 | 21 | 1 | 36 | | | | |
| 10-20 | Percent | 11.11% | 0.00% | 19.44% | 8.33% | 58.33% | 2.78% | 100.00% | | | | |
| | Frequency | 3 | 0 | 1 | 4 | 15 | 1 | 24 | | | | |
| 20-30 | Percent | 12.50% | 0.00% | 4.17% | 16.67% | 62.50% | 4.17% | 100.00% | | | | |
| | Frequency | 2 | 0 | 1 | 2 | 7 | 0 | 12 | | | | |
| 30-40 | Percent | 16.67% | 0.00% | 8.33% | 16.67% | 58.33% | 0.00% | 100.00% | | | | |
| | Frequency | 1 | 0 | 1 | 0 | 10 | 0 | 12 | | | | |
| 40-50 | Percent | 8.33% | 0.00% | 8.33% | 0.00% | 83.33% | 0.00% | 100.00% | | | | |
| | Frequency | 0 | 1 | 2 | 2 | 20 | 0 | 25 | | | | |
| 50-More | Percent | 0.00% | 4.00% | 8.00% | 8.00% | 80.00% | 0.00% | 100.00% | | | | |
| | Frequency | 11 | 1 | 15 | 11 | 79 | 2 | 119 | | | | |
| Total | Percent | 9.24% | 0.84% | 12.61% | 9.24% | 66.39% | 1.68% | 100.00% | | | | |

Table 26: Jersey Fresh Expenditure per Month by Marital Status

Tables 27 through 33 show the breakdown of monthly produce expenditures by different categories. These tables can be compared with the tables above which show the breakdown of monthly Jersey Fresh produce expenditures for different categories. As expected, larger families spend more on produce than smaller families (see Table 27). Sex doesn't appear to be a determining factor with regard to monthly produce expenditures. (See Table 28). In general, respondents between ages 21-35 spent less on produce than respondents older than age 35 (see Table 29). As Table 30 indicates, more respondents in up to High School and 2/4 College Degree spend on Jersey Fresh

compared to other educational levels. And also 29% of the consumers spend \$20-40 range and 38% of consumers spend \$60 and above on Jersey Fresh produce. Self-employed respondents tended to spend more on produce than other occupation groups (see Table 31).

| Expenditure on Produce | | | | | Hous | sehold Si | ze | | | |
|---------------------------|-----------|--------|--------|--------|--------|-----------|-------|-------|-------|---------|
| (dollars) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total |
| | Frequency | 6 | 7 | 6 | 4 | 3 | 1 | 0 | 0 | 27 |
| 0-20 | Percent | 22.22% | 25.93% | 22.22% | 14.81% | 11.11% | 3.70% | 0.00% | 0.00% | 100.00% |
| | Frequency | 14 | 22 | 12 | 12 | 3 | 5 | 0 | 1 | 69 |
| 20-40 | Percent | 20.29% | 31.88% | 17.39% | 17.39% | 4.35% | 7.25% | 0.00% | 1.45% | 100.00% |
| | Frequency | 7 | 14 | 9 | 10 | 4 | 2 | 0 | 1 | 47 |
| 40-60 | Percent | 14.89% | 29.79% | 19.15% | 21.28% | 8.51% | 4.26% | 0.00% | 2.13% | 100.00% |
| | Frequency | 11 | 28 | 20 | 20 | 7 | 6 | 0 | 0 | 92 |
| 60-More | Percent | 11.96% | 30.43% | 21.74% | 21.74% | 7.61% | 6.52% | 0.00% | 0.00% | 100.00% |
| | Frequency | 38 | 71 | 47 | 46 | 17 | 14 | 0 | 2 | 235 |
| Total | Percent | 16.17% | 30.21% | 20.00% | 19.57% | 7.23% | 5.96% | 0.00% | 0.85% | 100.00% |

 Table 27: Expenditure on Produce per Month by Number of persons in a Family

 Table 28: Expenditure on Produce per Month by Sex

| Expenditure | | | 0 | |
|-------------------------|-----------|--------|---------------|---------|
| on Produce (dollars) | | Male | Sex Female | Total |
| (| Frequency | 12 | 16 | 28 |
| 0-20 | Percent | 42.86% | 57.14% | 100.00% |
| | Frequency | 22 | 47 | 69 |
| 20-40 | Percent | 31.88% | 68.12% | 100.00% |
| | Frequency | 17 | 30 | 47 |
| 40-60 | Percent | 36.17% | 63.83% | 100.00% |
| | Frequency | 35 | 57 | 92 |
| 60-More | Percent | 38.04% | 61.96% | 100.00% |
| | Frequency | 86 | 150 | 236 |
| Total | Percent | 36.44% | 63.56% | 100.00% |

| Expenditure | | | Age Distribution | | | | | | | |
|-------------------------|-----------|-------|------------------|--------|--------|-----------------|---------|--|--|--|
| on Produce (dollars) | | 0-20 | 21-35 | 36-50 | 51-65 | 65 and Above | Total | | | |
| | Frequency | 1 | 6 | 7 | 7 | 7 | 28 | | | |
| 0-20 | Percent | 3.57% | 21.43% | 25.00% | 25.00% | 25.00% | 100.00% | | | |
| | Frequency | 0 | 10 | 28 | 19 | 12 | 69 | | | |
| 20-40 | Percent | 0.00% | 14.49% | 40.58% | 27.54% | 17.39% | 100.00% | | | |
| | Frequency | 0 | 4 | 19 | 15 | 8 | 46 | | | |
| 40-60 | Percent | 0.00% | 8.70% | 41.30% | 32.61% | 17.39% | 100.00% | | | |
| | Frequency | 0 | 7 | 41 | 23 | 20 | 91 | | | |
| 60-More | Percent | 0.00% | 7.69% | 45.05% | 25.27% | 21.98% | 100.00% | | | |
| | Frequency | 1 | 27 | 95 | 64 | 47 | 234 | | | |
| Total | Percent | 0.43% | 11.54% | 40.60% | 27.35% | 20.09% | 100.00% | | | |

Table 29: Expenditure on Produce per Month by Age

Table 30: Expenditure on Produce per Month by Education

| | | | Educ | ational Le | evels | |
|--|-----------|---------------------------|-------------------------|--------------------------|------------------|---------|
| Expenditure on Produce (dollars) | | No Formal Schooling | Up to High School | 2/4 College Degree | Post Graduate | Total |
| | Frequency | 1 | 6 | 18 | 3 | 28 |
| 0-20 | Percent | 3.57% | 21.43% | 64.29% | 10.71% | 100.00% |
| | Frequency | 0 | 32 | 24 | 13 | 69 |
| 20-40 | Percent | 0.00% | 46.38% | 34.78% | 18.84% | 100.00% |
| | Frequency | 0 | 19 | 15 | 13 | 47 |
| 40-60 | Percent | 0.00% | 40.43% | 31.91% | 27.66% | 100.00% |
| | Frequency | 0 | 33 | 35 | 22 | 90 |
| 60-More | Percent | 0.00% | 36.67% | 38.89% | 24.44% | 100.00% |
| | Frequency | 1 | 90 | 92 | 51 | 234 |
| Total | Percent | 0.43% | 38.46% | 39.32% | 21.79% | 100.00% |

| | | | Occupation | | | | |
|--|-----------|---------|------------|-----------------------|-----------|--------|---------|
| Expenditure on Produce (dollars) | | Retired | | Employed by others | Homemaker | Others | Total |
| | Frequency | 4 | 2 | 16 | 3 | 3 | 28 |
| 0-20 | Percent | 14.29% | 7.14% | 57.14% | 10.71% | 10.71% | 100.00% |
| | Frequency | 18 | 5 | 38 | 7 | 1 | 69 |
| 20-40 | Percent | 26.09% | 7.25% | 55.07% | 10.14% | 1.45% | 100.00% |
| | Frequency | 9 | 10 | 16 | 9 | 2 | 46 |
| 40-60 | Percent | 19.57% | 21.74% | 34.78% | 19.57% | 4.35% | 100.00% |
| | Frequency | 18 | 14 | 45 | 10 | 4 | 91 |
| 60-More | Percent | 19.78% | 15.38% | 49.45% | 10.99% | 4.40% | 100.00% |
| | Frequency | 49 | 31 | 115 | 29 | 10 | 234 |
| Total | Percent | 20.94% | 13.25% | 49.15% | 12.39% | 4.27% | 100.00% |

 Table 31: Expenditure on Produce per Month by Occupation

Furthermore, as expected, respondents with higher income spent more on produce than respondents with relatively lower income (see Table 32). Finally, as expected, married respondents spent the most on produce, followed by divorced respondents. Single and widowed respondents spent the least on produce (see Table 33).

| Expenditure | | | Income (dollars) | | | | | |
|-------------------------|-----------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| on Produce (dollars) | | Up to 20,000 | 20,000- 39,000 | 40,000- 59,000 | 60,000- 79,000 | 80,000- 99,000 | 100,000 - More | Total |
| | Frequency | 3 | 6 | 6 | 3 | 3 | 4 | 25 |
| 0-20 | Percent | 12.00% | 24.00% | 24.00% | 12.00% | 12.00% | 16.00% | 100.00% |
| | Frequency | 8 | 10 | 9 | 14 | 4 | 15 | 60 |
| 20-40 | Percent | 13.33% | 16.67% | 15.00% | 23.33% | 6.67% | 25.00% | 100.00% |
| | Frequency | 2 | 8 | 9 | 3 | 6 | 16 | 44 |
| 40-60 | Percent | 4.55% | 18.18% | 20.45% | 6.82% | 13.64% | 36.36% | 100.00% |
| | Frequency | 7 | 11 | 14 | 7 | 9 | 36 | 84 |
| 60-More | Percent | 8.33% | 13.10% | 16.67% | 8.33% | 10.71% | 42.86% | 100.00% |
| | Frequency | 20 | 35 | 38 | 27 | 22 | 71 | 213 |
| Total | Percent | 9.39% | 16.43% | 17.84% | 12.68% | 10.33% | 33.33% | 100.00% |

Table 32: Expenditure on Produce per Month by Income

| Expenditure | | | | Ma | arital Stat | us | | |
|-------------------------|-----------|--------|----------|----------------|-------------|---------|-------|---------|
| on Produce (dollars) | | Single | Separate | Widower (d) | Divorced | Married | Other | Total |
| | Frequency | 7 | 0 | 4 | 5 | 11 | 1 | 28 |
| 0-20 | Percent | 25.00% | 0.00% | 14.29% | 17.86% | 39.29% | 3.57% | 100.00% |
| | Frequency | 12 | 1 | 9 | 5 | 40 | 1 | 68 |
| 20-40 | Percent | 17.65% | 1.47% | 13.24% | 7.35% | 58.82% | 1.47% | 100.00% |
| | Frequency | 3 | 0 | 1 | 5 | 39 | 0 | 48 |
| 40-60 | Percent | 6.25% | 0.00% | 2.08% | 10.42% | 81.25% | 0.00% | 100.00% |
| | Frequency | 6 | 1 | 9 | 7 | 64 | 4 | 91 |
| 60-More | Percent | 6.59% | 1.10% | 9.89% | 7.69% | 70.33% | 4.40% | 100.00% |
| | Frequency | 28 | 2 | 23 | 22 | 154 | 6 | 235 |
| Total | Percent | 11.91% | 0.85% | 9.79% | 9.36% | 65.53% | 2.55% | 100.00% |

Table 33: Expenditure on Produce per Month by Marital Status

Figure 6 exhibits consumer behavior with regard to farmers markets. Seventyeight percent of New Jersey consumers surveyed indicated that they visit farmers markets.

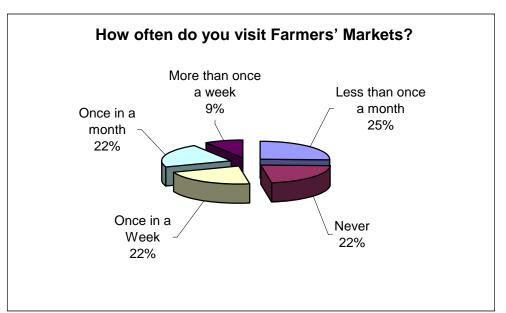


Figure 6. Consumers Visiting Farmers Markets

Thirty-one percent said they visit farmers markets at least once per week, while 22% said they visit farmers markets once per month. Only 22% of those surveyed said they never visit a farmer's market.

Characteristics of Survey Respondents

As Figure 7 shows, 72% of survey respondents considered lived in suburban neighborhoods, 15% lived in rural areas, and 13% lived in urban areas. More than 50% of survey respondents have lived in New Jersey for at least 35 years.

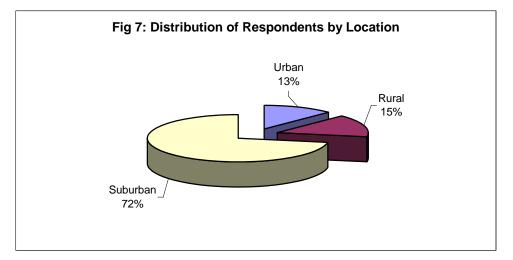


Figure 7. Distribution of Respondents by Location Type

When asked the question, "Do you believe it is necessary to maintain open space/greenery in New Jersey", 98% of respondents responded yes and only 2% responded negatively. Furthermore, 95% believe that agriculture will help maintain open space/greenery in New Jersey.

Sixty-three percent of survey respondents were female. The average family size of survey respondents was 2.84 and the average number of children per household was 0.66. As Table 34 shows, 39% of the survey respondents were between 36 and 50 years of age, and 50% were under the age of 50.

| Age | | |
|--------------|-----------|------------|
| Distribution | Frequency | Percentage |
| Less than 20 | 1 | 0.32 |
| 21-35 | 34 | 10.90 |
| 36-50 | 121 | 38.78 |
| 51-65 | 84 | 26.92 |
| Over 65 | 72 | 23.08 |
| Total | 312 | 100.00 |

Table 34: Age Distribution of Survey Respondents

As Table 35 shows, 61% of respondents were either employed or self-employed,

while 24% were retired, and 12% were homemakers.

| Occupation | Frequency | Percentage |
|--------------------|-----------|------------|
| Employed by others | 149 | 48.06 |
| Retired | 73 | 23.55 |
| Self-employed | 39 | 12.58 |
| Homemaker | 38 | 12.26 |
| Other | 11 | 3.55 |
| Total | 310 | 100.00 |

Eighty-four percent of respondents were Caucasian, 6% were Hispanic (or Latino), 4% were African American, and 4% were Asian. See Table 36 for a further breakdown of respondents by ethnicity.

| Table 36: Distrib | ution of Survey Res | pondents by Ethnicity |
|-------------------|----------------------|-----------------------|
| | ation of our roy not | |

| Occupation | Frequency | Percentage |
|-----------------------------------|-----------|------------|
| Caucasian | 259 | 83.82 |
| Hispanic or Latino | 17 | 5.50 |
| African American | 12 | 3.88 |
| Asian | 12 | 3.88 |
| Others | 7 | 2.28 |
| American Indian and Alaska Native | 1 | 0.32 |
| Native Hawaiian and other Pacific | 1 | 0.32 |
| Total | 309 | 100.00 |

The majority of respondents had household income above \$60,000 per year (see Table

37). Thirty-one percent of respondents earned more than \$100,000 per year.

| Income Group (in dollars) | Frequency | Percentage |
|------------------------------|-----------|------------|
| Less than 20,000 | 30 | 10.83 |
| 20,000-39,000 | 47 | 16.97 |
| 40,000-59,000 | 46 | 16.60 |
| 60,000-79,000 | 38 | 13.72 |
| 80,000-99,000 | 29 | 10.47 |
| 100,000 or more | 87 | 31.41 |
| Total | 160 | 57.76 |

 Table 37: Distribution of Survey Respondents by Income Level

Sixty-six percent of respondents were married, 12% of respondents were single, 10%

were widowed, and 9% were divorced (see Table 38).

| Marital Status | Frequency | Percentage |
|-------------------|-----------|------------|
| Married | 205 | 66.13 |
| Single | 36 | 11.61 |
| Widower | 30 | 9.68 |
| Divorced | 28 | 9.03 |
| Other | 8 | 2.58 |
| Separated | 3 | 0.97 |
| Total | 310 | 100.00 |

Conclusions

The results of the survey indicate that the Jersey Fresh promotional program has been effective in creating brand awareness among New Jersey consumers. The study also confirmed that consumer are willing to purchase Jersey Fresh produce if available. Females were more likely to be aware of Jersey Fresh, as were married people. Consumers reported seeing the Jersey Fresh logo most frequently on in-store produce displays. Moreover, consumers associate the Jersey Fresh logo with locally grown, quality produce.

Increasing the availability of Jersey Fresh produce during the production seasons would ensure continued consumer patronage. Also, increasing promotions of Jersey Fresh produce in supermarkets may further increase the popularity of Jersey Fresh produce. Moreover, the study showed that a majority of consumers were willing to pay only a small percentage premium for Jersey Fresh produce over the market prices for other fresh produce.

Survey participants believed Jersey Fresh produce to be better than produce in other states and counties in terms of quality and freshness. This research may lead to better understanding of New Jersey consumers' shopping behavior, their preferences towards local produce and their demographic composition. These findings may be especially encouraging to those developing marketing strategies for Jersey Fresh produce or for other similar consumer products in the state of New Jersey.

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