MICHIGAN STATE UNIVERSITY AGBIORESEARCH & EXTENSION PARTNER TO SHARPEN THEIR FOCUS ON COMMUNITY PRIORITIES STATISTICAL REPORT: FIELD CROPS FARMERS

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MICHIGAN STATE UNIVERSITY AGBIORESEARCH & EXTENSION PARTNER TO SHARPEN THEIR FOCUS ON COMMUNITY PRIORITIES STATISTICAL REPORT: FIELD CROPS FARMERS

INTRODUCTION

This quantitative report is divided into Four Main Sections: Statewide Priorities (Specific and Grouped); Specific Priority Areas; Knowledge, Use and Satisfaction; and Participant Demographics. Text information containing comments, priorities not listed, and suggestions regarding additional needs and research will be provided in a separate report. The General Statewide Priorities statistics includes all survey respondents that indicated Field Crops was "Very Important" and were rural living on a farm (n=394); Specific Priority Area numbers varied due to how many people checked the specific priority; Knowledge, Use and Satisfaction used all respondents to assess knowledge and use, while only current users and past users rated satisfaction for Extension, AgBioResearch and 4-H; and Demographics included all survey participants. For more information regarding this report, please contact Bruce Haas, Ph.D. at <u>haasb@msu.edu</u>.

SPECIFIC STATEWIDE PRIORITIES FOR COMMUNITIES

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The top priority identified for communities was "Assisting farmers in agricultural production and profitability." followed by "Preparing today's youth for tomorrow's jobs." and so on.

| Assisting formore in agricultural production and profitability | N 296 | Mean |
|--|------------------|-------------------|
| Assisting farmers in agricultural production and profitability. Preparing today's youth for tomorrow's jobs. | 386 | 1.17 |
| | 383 | |
| Conducting research and educational programs to combat diseases and pests that threaten the health of plants, animals, and people. | <mark>387</mark> | <mark>1.30</mark> |
| Ensuring that the food supply is safe and plentiful. | 385 | 1.33 |
| Develop new products that add value to agricultural commodities. | 383 | 1.34 |
| Creating and enhancing employment in Michigan's agricultural sector. | 387 | 1.37 |
| Ensure a safe food supply. | 383 | 1.37 |
| Ensure a safe and plentiful water supply. | 381 | 1.39 |
| Help youth develop leadership, citizenship, and other life skills. | 383 | 1.44 |
| Ensure a plentiful food supply. | 381 | 1.44 |
| Helping communities create jobs and be great places to live. | 385 | 1.45 |
| Conducting research and educational programs that lead to a better environment. | 383 | 1.47 |
| Helping Michigan maintain a healthy and sustainable environment for work, living, and play. | 384 | 1.54 |
| Strengthen early childhood education. | 382 | 1.56 |
| Conducting research and educational programs to build healthy and strong families. | 383 | 1.56 |
| Help rural communities understand how they can grow and prosper. | 381 | 1.61 |
| Help schools be places where students can choose healthy foods and be physically active. | 386 | 1.61 |
| Ensure that senior citizens and their families have adequate information to make wise choices about resources, care, and health. | 382 | 1.62 |
| Improve nutrition for all people of Michigan. | 385 | 1.62 |
| Conducting research and educational programs to make Michigan communities healthy places to live. | 382 | 1.63 |
| Involve youth and adults as active partners in decisions that affect the community. | 381 | 1.65 |
| Strengthen money management skills for all people | 383 | 1.67 |
| Creating and enhancing employment in Michigan's natural resource industry. | 379 | 1.68 |
| Assist local government and businesses with land use decisions. | 377 | 1.70 |
| Help local government officials learn more about their roles and responsibilities. | 378 | 1.73 |
| Help communities be more energy efficient. | 382 | 1.73 |
| Expand after school opportunities for our youth. | 377 | 1.75 |
| Help community leaders use planning data to improve their local economy. | 382 | 1.76 |
| Improve availability of quality child care. | 371 | 1.80 |
| Help communities be prepared for natural disasters. | 380 | 1.80 |
| Help households reuse and recycle consumer goods. | 382 | 1.80 |
| Help communities reduce obesity. | 384 | 1.84 |
| Provide training opportunities to foster more community leadership. | 372 | 1.84 |
| Help promote tourism and recreation to Michigan and out-of-state residents. | 379 | 1.87 |
| Help communities use practices that improve air quality. | 381 | 1.90 |
| Help urban communities understand how they can grow and prosper. | 380 | 1.97 |
| Valid N (listwise) | 309 | |

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GROUPED STATEWIDE PRIORITIES FOR COMMUNITIES

Five overall areas were identified using factor analyses using the 36 specific community priorities described above. Results of mean rankings found "Ensuring Michigan has a safe, plentiful food and water supply" as the top factor, followed by "Creating productive and profitable agriculture and natural resources".

Scale: High Priority (1), Some Priority (2), Little or No Priority (3)

| | N | Mean |
|--|-----|------|
| Ensuring Michigan has a safe, plentiful food and water supply | 372 | 1.39 |
| Creating productive and profitable agriculture and natural resources | 371 | 1.40 |
| Creating healthy families, schools, and communities | 342 | 1.53 |
| Helping urban and rural community development | 357 | 1.77 |
| Helping Michigan maintain a healthy and sustainable environment for work, living, and play | 372 | 1.80 |
| Valid N (listwise) | 309 | |

To further examine the factors, results from a series of statistical analyses of reliabilities found ten areas or themes. Results from the mean rankings of these, found "Creating and enhancing Agri-business" as the highest followed by "Promoting workforce preparation and development" and so on.

Scale: High Priority (1), Some Priority (2), Little or No Priority (3) Descriptive Statistics

| | N | Mean |
|--|-----|------|
| Creating and enhancing Agri-business | 379 | 1.27 |
| Promoting workforce preparation and development | 379 | 1.33 |
| Ensuring Michigan has a safe, plentiful food and water supply | 372 | 1.39 |
| Creating and enhancing employment in agriculture and natural resource industry | 378 | 1.52 |
| Conducting research and education programs | 373 | 1.54 |
| Promoting positive youth development | 374 | 1.60 |
| Promoting positive child, family and human Development | 367 | 1.65 |
| Promoting healthy nutrition and physical activity | 380 | 1.69 |
| Helping urban and rural community development | 357 | 1.77 |
| Helping Michigan maintain a healthy and sustainable environment for work, living, and play | 372 | 1.80 |
| Valid N (listwise) | 309 | |
| | | |
| | | |
| | | |

ITEMS WITHIN GROUPED STATEWIDE PRIORITIES FOR COMMUNITIES

PROMOTING WORKFORCE PREPARATION AND DEVELOPMENT

Scale: High Priority (1), Some Priority (2), Little or No Priority (3)

| | Ν | Mean |
|-----------------------------|-----|------|
| Preparing today's youth for | 383 | 1.21 |
| tomorrow's jobs. | | |
| Helping communities create | 385 | 1.45 |
| jobs and be great places to | | |
| live. | | |
| Valid N (listwise) | 379 | |

CREATING AND ENHANCING AGRI-BUSINESS

| | Ν | Mean |
|------------------------------|-----|------|
| Assisting farmers in | 386 | 1.17 |
| agricultural production and | | |
| profitability. | | |
| Conducting research and | 387 | 1.30 |
| educational programs to | | |
| combat diseases and pests | | |
| that threaten the health of | | |
| plants, animals, and people. | | |
| Develop new products that | 383 | 1.34 |
| add value to agricultural | | |
| commodities. | | |
| Valid N (listwise) | 379 | |

ENSURING MICHIGAN HAS A SAFE, PLENTIFUL FOOD AND WATER SUPPLY

| | Ν | Mean |
|--|-----|------|
| Ensuring that the food supply is safe and plentiful. | 385 | 1.33 |
| Ensure a safe food supply. | 383 | 1.37 |
| Ensure a safe and plentiful water supply. | 381 | 1.39 |
| Ensure a plentiful food supply. | 381 | 1.44 |
| Valid N (listwise) | 372 | |

CONDUCTING RESEARCH AND EDUCATION PROGRAMS

| | Ν | Mean |
|--|-----|------|
| Conducting research and educational programs that lead to a better environment. | 383 | 1.47 |
| Helping Michigan maintain a healthy and sustainable environment for work, living, and play. | 384 | 1.54 |
| Conducting research and educational programs to build healthy and strong families. | 383 | 1.56 |
| Conducting research and educational programs to make Michigan communities healthy places to live. | 382 | 1.63 |
| Valid N (listwise) | 373 | |

CREATING AND ENHANCING EMPLOYMENT IN AGRICULTURE AND NATURAL RESOURCE INDUSTRY

| | N | Mean |
|----------------------------|-----|------|
| Creating and enhancing | 387 | 1.37 |
| employment in Michigan's | | |
| agricultural sector. | | |
| Creating and enhancing | 379 | 1.68 |
| employment in Michigan's | | |
| natural resource industry. | | |
| Valid N (listwise) | 378 | |

PROMOTING POSITIVE YOUTH DEVELOPMENT

Scale: High Priority (1), Some Priority (2), Little or No Priority (3)

| | Ν | Mean |
|---|-----|------|
| Help youth develop leadership, citizenship, and other life skills. | 383 | 1.44 |
| Involve youth and adults as active partners in decisions that affect the community. | 381 | 1.65 |
| Expand after school opportunities for our youth. | 377 | 1.75 |
| Valid N (listwise) | 374 | |

PROMOTING HEALTHY NUTRITION AND PHYSICAL ACTIVITY

| | Ν | Mean |
|---------------------------|-----|------|
| Help schools be places | 386 | 1.61 |
| where students can choose | | |
| healthy foods and be | | |
| physically active. | | |
| Improve nutrition for all | 385 | 1.62 |
| people of Michigan. | | |
| Help communities reduce | 384 | 1.84 |
| obesity. | | |
| Valid N (listwise) | 380 | |

PROMOTING POSITIVE CHILD, FAMILY AND HUMAN DEVELOPMENT

Scale: High Priority (1), Some Priority (2), Little or No Priority (3)

| | Ν | Mean |
|---------------------------------|-----|------|
| Strengthen early childhood | 382 | 1.56 |
| education. | | |
| Ensure that senior citizens | 382 | 1.62 |
| and their families have | | |
| adequate information to | | |
| make wise choices about | | |
| resources, care, and health. | | |
| Strengthen money | 383 | 1.67 |
| management skills for all | | |
| people | | |
| Improve availability of quality | 371 | 1.80 |
| child care. | | |
| Valid N (listwise) | 367 | |

HELPING MICHIGAN MAINTAIN A HEALTHY AND SUSTAINABLE ENVIRONMENT FOR WORK, LIVING, AND PLAY

| | Ν | Mean |
|----------------------------|-----|------|
| Help communities be more | 382 | 1.73 |
| energy efficient. | | |
| Help households reuse and | 382 | 1.80 |
| recycle consumer goods. | | |
| Help communities use | 381 | 1.90 |
| practices that improve air | | |
| quality. | | |
| Valid N (listwise) | 372 | |

HELPING URBAN AND RURAL COMMUNITY DEVELOPMENT

Scale: High Priority (1), Some Priority (2), Little or No Priority (3)

| | Ν | Mean |
|--|-----|------|
| Help rural communities understand how | 381 | 1.61 |
| they can grow and prosper. | | |
| Assist local government and businesses | 377 | 1.70 |
| with land use decisions. | | |
| Help local government officials learn more | 378 | 1.73 |
| about their roles and responsibilities. | | |
| Help community leaders use planning | 382 | 1.76 |
| data to improve their local economy. | | |
| Help communities be prepared for natural | 380 | 1.80 |
| disasters. | | |
| Provide training opportunities to foster | 372 | 1.84 |
| more community leadership. | | |
| Help promote tourism and recreation to | 379 | 1.87 |
| Michigan and out-of-state residents. | | |
| Help urban communities understand how | 380 | 1.97 |
| they can grow and prosper. | | |
| Valid N (listwise) | 357 | |

OVERVIEW OF PRIORITIES FOR "YOU AND YOUR FAMILY"

The top priority for the individual or their family was "Agriculture", followed by "4-H & Youth" and so on.

Scale: Checked (1), Not Checked (0)

| | Ν | Mean |
|---------------------------|-----|------|
| Agriculture | 394 | 100% |
| 4-H & Youth | 300 | 76% |
| Family | 209 | 53% |
| Natural Resources | 190 | 48% |
| Food (Nutrition) & Health | 179 | 45% |
| Community | 151 | 38% |
| Business | 138 | 35% |
| Volunteerism | 110 | 28% |
| Lawn & Garden | 109 | 28% |
| Valid N (listwise) | 394 | |

Scale: "Very Important" (4), "Important" (3), "Somewhat Important" (2), "Not Important" (1)

AGRICULTURE

| | Ν | Mean |
|--------------------------------------|-----|------|
| Field Crops | 394 | 4.00 |
| Farm Business & Financial Management | 391 | 3.68 |
| Environmental Stewardship on Farms | 389 | 3.39 |
| Beef | 391 | 3.36 |
| Vegetables | 390 | 3.14 |
| Small Farms and/or Urban Farms | 389 | 3.13 |
| Dairy | 383 | 3.12 |
| Pork | 388 | 2.93 |
| Pollinators & Pollination | 387 | 2.93 |
| Poultry | 388 | 2.90 |
| Floriculture/Greenhouses | 387 | 2.65 |
| Fruit & Nuts | 389 | 2.63 |
| Sheep/Goats | 385 | 2.62 |
| Organic Agriculture | 389 | 2.36 |
| Horses | 388 | 2.21 |
| Nursery & Christmas Trees | 383 | 2.20 |
| Valid N (listwise) | 367 | |

4-H & YOUTH

Scale: "Very Important" (4), "Important" (3), "Somewhat Important" (2), "Not Important" (1)

| | Ν | Mean |
|-----------------------------|-----|------|
| 4-H | 295 | 3.78 |
| Life Skills | 299 | 3.63 |
| Academic Success | 298 | 3.58 |
| Animal Science | 297 | 3.57 |
| Youth Development | 297 | 3.55 |
| Career Preparation | 295 | 3.48 |
| Youth Money Management | 297 | 3.48 |
| Leadership & Citizenship | 297 | 3.47 |
| Youth Entrepreneurship | 296 | 3.31 |
| Mentoring | 295 | 3.28 |
| Community Service & | 297 | 3.27 |
| Learning | | |
| Volunteering | 297 | 3.24 |
| Healthy Youth | 296 | 3.24 |
| Global & Cultural Education | 295 | 2.75 |
| Valid N (listwise) | 283 | |

FAMILY

Scale: "Very Important" (4), "Important" (3), "Somewhat Important" (2), "Not Important" (1)

| | Ν | Mean |
|------------------------|-----|------|
| Money Management | 204 | 3.55 |
| Parenting | 202 | 3.53 |
| Homeownership | 204 | 3.38 |
| Aging | 204 | 3.32 |
| Managing Relationships | 203 | 3.31 |
| Caregiving | 203 | 3.30 |
| Violence Prevention | 203 | 3.26 |
| Early Childhood | 203 | 3.21 |
| Development | | |
| Bullying | 203 | 3.19 |
| Special Needs Children | 203 | 3.12 |
| Valid N (listwise) | 200 | |

NATURAL RESOURCES

Scale: "Very Important" (4), "Important" (3), "Somewhat Important" (2), "Not Important" (1)

| | Ν | Mean |
|----------------------|-----|------|
| Water Quality | 187 | 3.68 |
| Lakes, Streams & | 186 | 3.58 |
| Watersheds | | |
| Energy | 186 | 3.58 |
| Invasive Species | 185 | 3.53 |
| Forestry | 187 | 3.47 |
| Fisheries & Wildlife | 187 | 3.47 |
| Tourism | 186 | 2.82 |
| Valid N (listwise) | 181 | |

FOOD, NUTRITION & HEALTH

| | N | Mean |
|-----------------------|-----|------|
| Safe Food & Water | 178 | 3.69 |
| Nutrition | 178 | 3.66 |
| Physical Activity | 176 | 3.56 |
| Food Preservation | 178 | 3.43 |
| Weight Management | 177 | 3.43 |
| Healthy Relationships | 176 | 3.33 |
| Chronic Disease | 176 | 3.24 |
| Food Budgeting | 177 | 3.24 |
| Diabetes | 177 | 3.21 |
| Food Policy | 178 | 3.21 |
| Valid N (listwise) | 173 | |

COMMUNITY

Scale: "Very Important" (4), "Important" (3), "Somewhat Important" (2), "Not Important" (1)

| | N | Mean |
|-------------------------|-----|------|
| Farm & Farmers Markets | 144 | 3.62 |
| Leadership | 145 | 3.56 |
| Economic Development | 144 | 3.48 |
| Fiscal Management | 144 | 3.47 |
| Planning/Land Use | 145 | 3.43 |
| Sustainable Communities | 144 | 3.43 |
| Public Policy | 143 | 3.21 |
| Government | 143 | 3.19 |
| Conflict Resolution | 144 | 3.17 |
| Community Food Systems | 146 | 3.16 |
| Civic Engagement | 144 | 3.13 |
| Facilitation | 144 | 3.04 |
| Valid N (listwise) | 139 | |

BUSINESS

Scale: "Very Important" (4), "Important" (3), "Somewhat Important" (2), "Not Important" (1)

Descriptive Statistics

| | Ν | Mean |
|----------------------------|----|------|
| Business Development | 47 | 3.70 |
| Entrepreneurship | 47 | 3.68 |
| Food Business & Regulation | 47 | 3.57 |
| Bio-Economy | 47 | 3.21 |
| Tourism | 47 | 3.04 |
| Valid N (listwise) | 47 | |

VOLUNTEERISM

Scale: "Very Important" (4), "Important" (3), "Somewhat Important" (2), "Not Important" (1)

| | Ν | Mean |
|---------------------------|-----|------|
| 4-H | 108 | 3.79 |
| Breakfast on the Farm | 106 | 3.12 |
| Conservation Stewards | 107 | 2.99 |
| Program | | |
| Master Gardener Program | 108 | 2.81 |
| Master Naturalist Program | 107 | 2.74 |
| Citizen Planner | 107 | 2.65 |
| Valid N (listwise) | 103 | |

LAWN & GARDEN

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Scale: "Very Important" (4), "Important" (3), "Somewhat Important" (2), "Not Important" (1)

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| | N | Mean |
|-------------------------|-----|------|
| Home Gardening | 107 | 3.63 |
| Pest Management | 108 | 3.47 |
| Water Usage | 107 | 3.33 |
| Composting & Recycling | 108 | 3.22 |
| Landscaping | 107 | 3.12 |
| Master Gardener Program | 108 | 2.80 |
| Community Gardening | 107 | 2.64 |
| Turf | 107 | 2.47 |
| Valid N (listwise) | 107 | |

KNOWLEDGE, USE AND SATISFACTION OF MSU EXTENSION, MSU AGBIORESEARCH, AND MSU EXTENSION 4-H

OVERVIEW OF SATISFACTION AND INVOLVEMENT

Scale: "Very Satisfied" (5), "Satisfied" (4), "Neutral" (3), "Dissatisfied" (2), "Very Dissatisfied" (1)

| | Ν | Mean |
|---|-----|------|
| How satisfied were you with your involvement with MSU Extension? | 347 | 4.44 |
| How satisfied were you with your involvement with MSU AgBioResearch? | 171 | 4.19 |
| How satisfied were you with your involvement with MSU Extension 4-H Youth Development Programs? | 293 | 4.29 |
| Valid N (listwise) | 142 | |

| | Ν | Minimum | Maximum | Mean |
|---------------------------------|-----|---------|---------|---------|
| How many years have you been | 326 | .00 | 76.00 | 21.0552 |
| involved with MSU Extension | | | | |
| program(s)?-Number of Years | | | | |
| How many years have you been | 145 | .00 | 52.00 | 17.2345 |
| involved with MSU AgBioResearch | | | | |
| program(s)?-Number of Years | | | | |
| How many years have you been | 270 | .00 | 63.00 | 16.5741 |
| involved with MSU Extension 4-H | | | | |
| Youth Development Programs?- | | | | |
| Number of Years | | | | |
| Valid N (listwise) | 118 | | | |

MSU EXTENSION

| | | | | | Cumulative |
|---------|---|-----------|---------|---------------|------------|
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | Currently using | 274 | 69.5 | 69.9 | 69.9 |
| | Used in the past, but not currently | 75 | 19.0 | 19.1 | 89.0 |
| | Heard of, never used and did know it is part of MSU | 34 | 8.6 | 8.7 | 97.7 |
| | Heard of, never used and did not know it is part of MSU | 1 | .3 | .3 | 98.0 |
| | Never heard of it | 8 | 2.0 | 2.0 | 100.0 |
| | Total | 392 | 99.5 | 100.0 | |
| Missing | System | 2 | .5 | | |
| Total | | 394 | 100.0 | | |

How familiar are you with MSU Extension

How satisfied were you with your involvement with MSU Extension?

| | | | | | Cumulative |
|---------|-------------------|-----------|---------|---------------|------------|
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | Very Dissatisfied | 1 | .3 | .3 | .3 |
| | Dissatisfied | 4 | 1.1 | 1.2 | 1.4 |
| | Neutral | 19 | 5.4 | 5.5 | 6.9 |
| | Satisfied | 142 | 40.7 | 40.9 | 47.8 |
| | Very Satisfied | 181 | 51.9 | 52.2 | 100.0 |
| | Total | 347 | 99.4 | 100.0 | |
| Missing | System | 2 | .6 | | |
| Total | | 349 | 100.0 | | |

Scale: Checked (1), Not Checked (0)

| | Ν | Mean |
|--|-----|------|
| Involved in 4-H Youth | 349 | 80% |
| Involved in MSUE Agriculture | 349 | 80% |
| Involved in MSUE Volunteerism | 349 | 31% |
| Involved in MSUE Business | 349 | 28% |
| Involved in MSUE Community | 349 | 24% |
| Involved in MSUE Family | 349 | 22% |
| Involved in MSUE Natural Resources | 349 | 19% |
| Involved in MSUE Food (Nutrition) & Health | 349 | 16% |
| Involved in MSUE Lawn & Garden | 349 | 13% |
| Involved in MSUE Other, please describe below: | 349 | 4% |
| Valid N (listwise) | 349 | |

Scale: "Very Effective" (4), "Effective" (3), "Somewhat Effective" (2), "Ineffective" (1)

| | Ν | Mean |
|---------------------------------------|-----|------|
| MSUE Personal Contact (phone, email, | 327 | 3.41 |
| face-to-face) | | |
| MSUE Training/Workshop | 309 | 3.35 |
| MSUE Bulletins/Print Resources | 328 | 3.32 |
| MSUE Newsletters, Emails, Digests | 322 | 3.32 |
| MSUE Meetings/Updates | 314 | 3.29 |
| Other MSUE resource (please enter | 30 | 3.13 |
| below) | | |
| MSUE Web Site | 303 | 2.98 |
| MSUE Media (newspaper, radio, TV) | 275 | 2.69 |
| MSUE Social Media (Facebook, Twitter, | 257 | 2.68 |
| Pinterest) | | |
| Valid N (listwise) | 24 | |

MSU AGBIORESEARCH

| r | | | | | |
|---------|---|-----------|---------|---------------|------------|
| | | | | | Cumulative |
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | Currently using | 100 | 25.4 | 25.7 | 25.7 |
| | Used in the past, but not currently | 75 | 19.0 | 19.3 | 45.0 |
| | Heard of, never used and did know it is part of MSU | 151 | 38.3 | 38.8 | 83.8 |
| | Heard of, never used and did not know it is part of MSU | 20 | 5.1 | 5.1 | 88.9 |
| | Never heard of it | 43 | 10.9 | 11.1 | 100.0 |
| | Total | 389 | 98.7 | 100.0 | |
| Missing | System | 5 | 1.3 | | |
| Total | | 394 | 100.0 | | |

How familiar are you with MSU AgBioResearch

How satisfied were you with your involvement with MSU AgBioResearch?

| | | | | | Cumulative |
|---------|-------------------|-----------|---------|---------------|------------|
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | Very Dissatisfied | 1 | .6 | .6 | .6 |
| | Neutral | 21 | 12.0 | 12.3 | 12.9 |
| | Satisfied | 93 | 53.1 | 54.4 | 67.3 |
| | Very Satisfied | 56 | 32.0 | 32.7 | 100.0 |
| | Total | 171 | 97.7 | 100.0 | |
| Missing | System | 4 | 2.3 | | |
| Total | | 175 | 100.0 | | |

Scale: Checked (1), Not Checked (0)

| | Ν | Mean |
|---|-----|------|
| Involved in MSU AgBioResearch Agriculture | 175 | 93% |
| Involved in MSU AgBioResearch Attending Field Days | 175 | 67% |
| Involved in MSU AgBioResearch Visiting Research Centers | 175 | 31% |
| Involved in MSU AgBioResearch Natural Resources | 175 | 23% |
| Involved in MSU AgBioResearch Youth | 175 | 19% |
| Involved in MSU AgBioResearch Family | 175 | 11% |
| Involved in MSU AgBioResearch Community and Economic Development | 175 | 10% |
| Involved in MSU AgBioResearch Health | 175 | 7% |
| Involved in MSU AgBioResearch Other, please describe below: | 175 | 3% |
| Valid N (listwise) | 175 | |

Descriptive Statistics

Scale: "Very Effective" (4), "Effective" (3), "Somewhat Effective" (2), "Ineffective" (1)

| | N | Mean |
|---|-----|------|
| MSU AgBioResearch Personal Contact (phone, email, face-to-face) | 141 | 3.32 |
| MSU AgBioResearch Meetings/Updates | 147 | 3.30 |
| MSU AgBioResearch Training/Workshop | 145 | 3.30 |
| MSU AgBioResearch Bulletins/Print Resources | 153 | 3.21 |
| MSU AgBioResearch Newsletters, Emails, Digests | 143 | 3.13 |
| MSU AgBioResearch Web Site | 126 | 2.88 |
| MSU AgBioResearch Other resource (please enter below) | 14 | 2.71 |
| MSU AgBioResearch Media (newspaper, radio, TV) | 132 | 2.70 |
| MSU AgBioResearch Social Media (Facebook, Twitter, Pinterest) | 107 | 2.41 |
| Valid N (listwise) | 14 | |

| | , | | | | |
|---------|---|-----------|---------|---------------|------------|
| | | | | | Cumulative |
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | Currently using | 180 | 45.7 | 46.2 | 46.2 |
| | Used in the past, but not currently | 131 | 33.2 | 33.6 | 79.7 |
| | Heard of, never used and did know it is part of MSU | 58 | 14.7 | 14.9 | 94.6 |
| | Heard of, never used and did not know it is part of MSU | 15 | 3.8 | 3.8 | 98.5 |
| | Never heard of it | 6 | 1.5 | 1.5 | 100.0 |
| | Total | 390 | 99.0 | 100.0 | |
| Missing | System | 4 | 1.0 | | |
| Total | | 394 | 100.0 | | |

How familiar are you with MSU Extension 4-H Youth Development Programs

How satisfied were you with your involvement with MSU Extension 4-H Youth Development Programs?

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|-------------------|-----------|---------|---------------|-----------------------|
| Valid | Very Dissatisfied | 4 | 1.3 | 1.4 | 1.4 |
| | Dissatisfied | 6 | 1.9 | 2.0 | 3.4 |
| | Neutral | 29 | 9.3 | 9.9 | 13.3 |
| | Satisfied | 116 | 37.3 | 39.6 | 52.9 |
| | Very Satisfied | 138 | 44.4 | 47.1 | 100.0 |
| | Total | 293 | 94.2 | 100.0 | |
| Missing | System | 18 | 5.8 | | |
| Total | | 311 | 100.0 | | |

Scale: "Very Effective" (4), "Effective" (3), "Somewhat Effective" (2), "Ineffective" (1)

| | Ν | Mean |
|--|-----|------|
| 4-H Personal Contact (phone, email, face-to-face) | 250 | 3.36 |
| 4-H Training/Workshop (Kettunen Center workshop, 4-H | 235 | 3.34 |
| 4-H Meetings/Updates (club meetings) | 263 | 3.33 |
| 4-H Bulletins/Print Resources | 248 | 3.22 |
| 4-H Newsletters, Emails, Digests | 243 | 3.21 |
| 4-H Web Site | 212 | 3.02 |
| 4-H Social Media (Facebook, Twitter, Pinterest) | 199 | 2.88 |
| 4-H Other resource (please enter below) | 27 | 2.81 |
| 4-H Media (newspaper, radio, TV) | 218 | 2.81 |
| Valid N (listwise) | 24 | |

DEMOGRAPHICS

| | N | Minimum | Maximum | Mean | Std. Deviation |
|-------------------------|-----|---------|---------|---------|----------------|
| How many years have you | 383 | .00 | 100.00 | 33.1110 | 17.74503 |
| lived in your county of | | | | | |
| residence? | | | | | |
| Valid N (listwise) | 383 | | | | |

What best describes where you live?

| | | | | | Cumulative |
|-------|-----------------|-----------|---------|---------------|------------|
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | Rural on a farm | 394 | 100.0 | 100.0 | 100.0 |

What gender are you?

| | | | | | Cumulative |
|---------|------------------------|-----------|---------|---------------|------------|
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | Female | 226 | 57.4 | 59.3 | 59.3 |
| | Male | 155 | 39.3 | 40.7 | 100.0 |
| | Total | 381 | 96.7 | 100.0 | |
| Missing | Do not wish to provide | 12 | 3.0 | | |
| | System | 1 | .3 | | |
| | Total | 13 | 3.3 | | |
| Total | | 394 | 100.0 | | |

How do you describe yourself?

| | | | | | Cumulative |
|---------|--------------------------------------|-----------|---------|---------------|------------|
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | African-American, not Hispanic | 2 | .5 | .5 | .5 |
| | American Indian or Alaskan Native | 1 | .3 | .3 | .8 |
| | Hispanic | 6 | 1.5 | 1.5 | 2.3 |
| | White, not Hispanic | 360 | 91.4 | 91.6 | 93.9 |
| | Multi-racial, please describe | 5 | 1.3 | 1.3 | 95.2 |
| | Do not wish to provide | 19 | 4.8 | 4.8 | 100.0 |
| | Total | 393 | 99.7 | 100.0 | |
| Missing | System | 1 | .3 | | |
| Total | | 394 | 100.0 | | |

COUNTY RESIDENCE

| | | | Junty | | |
|-------|----------------|-----------|---------|---------------|------------|
| | | | | | Cumulative |
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | Alcona | 1 | .3 | .3 | .3 |
| | Alger | 1 | .3 | .3 | .5 |
| | Allegan | 6 | 1.5 | 1.5 | 2.0 |
| | Alpena | 1 | .3 | .3 | 2.3 |
| | Antrim | 2 | .5 | .5 | 2.8 |
| | Arenac | 7 | 1.8 | 1.8 | 4.6 |
| | Barry | 7 | 1.8 | 1.8 | 6.3 |
| | Bay | 8 | 2.0 | 2.0 | 8.4 |
| | Benzie | 2 | .5 | .5 | 8.9 |
| | Berrien | 5 | 1.3 | 1.3 | 10.2 |
| | Branch | 4 | 1.0 | 1.0 | 11.2 |
| | Calhoun | 2 | .5 | .5 | 11.7 |
| | Cass | 10 | 2.5 | 2.5 | 14.2 |
| | Charlevoix | 6 | 1.5 | 1.5 | 15.7 |
| | Cheboygan | 3 | .8 | .8 | 16.5 |
| | Chippewa | 3 | .8 | .8 | 17.3 |
| | Clare | 5 | 1.3 | 1.3 | 18.5 |
| | Clinton | 9 | 2.3 | 2.3 | 20.8 |
| | Crawford | 1 | .3 | .3 | 21.1 |
| | Delta | 4 | 1.0 | 1.0 | 22.1 |
| | Dickinson | 1 | .3 | .3 | 22.3 |
| | Eaton | 7 | 1.8 | 1.8 | 24.1 |
| | Emmet | 2 | .5 | .5 | 24.6 |
| | Genesee | 5 | 1.3 | 1.3 | 25.9 |
| | Gladwin | 6 | 1.5 | 1.5 | 27.4 |
| | Gogebic | 1 | .3 | .3 | 27.7 |
| | Grand Traverse | 1 | .3 | .3 | 27.9 |
| | Gratiot | 12 | 3.0 | 3.0 | 31.0 |
| | Hillsdale | 9 | 2.3 | 2.3 | 33.2 |
| | Houghton | 2 | .5 | .5 | 33.8 |
| | Huron | 19 | 4.8 | 4.8 | 38.6 |
| | Ingham | 8 | 2.0 | 2.0 | 40.6 |
| | Ionia | 7 | 1.8 | 1.8 | 42.4 |

| | 1 | 2 | .3 | 40.6 |
|----------------------|----|-----------|-----|------|
| losco | 10 | .3 2.5 | 2.5 | 42.6 |
| Isabella | | | | 45.2 |
| Jackson Kalamazoo | 7 | 1.8 | 1.8 | 47.0 |
| | 3 | .8 | .8 | 47.7 |
| Kalkaska | 2 | .5 | .5 | 48.2 |
| Kent | 11 | 2.8 | 2.8 | 51.0 |
| Lapeer | 15 | 3.8 | 3.8 | 54.8 |
| Leelanau | 6 | 1.5 | 1.5 | 56.3 |
| Lenawee | 15 | 3.8 | 3.8 | 60.2 |
| Livingston | 5 | 1.3 | 1.3 | 61. |
| Luce | 1 | .3 | .3 | 61. |
| Macomb | 3 | .8 | .8 | 62. |
| Manistee | 3 | .8 | .8 | 63. |
| Marquette | 2 | .5 | .5 | 63. |
| Mason | 3 | .8 | .8 | 64. |
| Mecosta | 5 | 1.3 | 1.3 | 65. |
| Menominee | 2 | .5 | .5 | 66. |
| Midland | 2 | .5 | .5 | 66. |
| Missaukee | 10 | 2.5 | 2.5 | 69. |
| Monroe | 10 | 2.5 | 2.5 | 71. |
| Montcalm | 3 | .8 | .8 | 72. |
| Montmorency | 1 | .3 | .3 | 72. |
| Muskegon | 2 | .5 | .5 | 73. |
| Newaygo | 1 | .3 | .3 | 73. |
| Oakland | 4 | 1.0 | 1.0 | 74. |
| Oceana | 6 | 1.5 | 1.5 | 76. |
| Ogemaw | 4 | 1.0 | 1.0 | 77. |
| Osceola | 5 | 1.3 | 1.3 | 78. |
| Ottawa | 10 | 2.5 | 2.5 | 81. |
| Saginaw | 9 | 2.3 | 2.3 | 83. |
| Saint Clair | 8 | 2.0 | 2.0 | 85. |
| Saint Joseph | 6 | 1.5 | 1.5 | 86. |
| Sanilac | 14 | 3.6 | 3.6 | 90. |
| Schoolcraft | 4 | 1.0 | 1.0 | 91. |
| Shiawassee | 7 | 1.8 | 1.8 | 93. |
| Tuscola | 9 | 2.3 | 2.3 | 95. |
| Van Buren | 5 | 1.3 | 1.3 | 96. |
| Washtenaw | 3 | .8 | .8 | 97. |

| Wayne | 1 | .3 | .3 | 97.7 |
|---------|-----|-------|-------|-------|
| Wexford | 4 | 1.0 | 1.0 | 98.7 |
| 84 | 5 | 1.3 | 1.3 | 100.0 |
| Total | 394 | 100.0 | 100.0 | |

DISTRICT DISTRIBUTION

| | | | District | | |
|---------|--------|-----------|----------|---------------|------------|
| | | | | | Cumulative |
| | | Frequency | Percent | Valid Percent | Percent |
| Valid | 1.00 | 8 | 2.0 | 2.1 | 2.1 |
| | 2.00 | 13 | 3.3 | 3.3 | 5.4 |
| | 3.00 | 16 | 4.1 | 4.1 | 9.5 |
| | 4.00 | 14 | 3.6 | 3.6 | 13.1 |
| | 5.00 | 12 | 3.0 | 3.1 | 16.2 |
| | 6.00 | 45 | 11.4 | 11.6 | 27.8 |
| | 7.00 | 27 | 6.9 | 6.9 | 34.7 |
| | 8.00 | 53 | 13.5 | 13.6 | 48.3 |
| | 9.00 | 31 | 7.9 | 8.0 | 56.3 |
| | 10.00 | 65 | 16.5 | 16.7 | 73.0 |
| | 11.00 | 8 | 2.0 | 2.1 | 75.1 |
| | 12.00 | 49 | 12.4 | 12.6 | 87.7 |
| | 13.00 | 35 | 8.9 | 9.0 | 96.7 |
| | 14.00 | 13 | 3.3 | 3.3 | 100.0 |
| | Total | 389 | 98.7 | 100.0 | |
| Missing | System | 5 | 1.3 | | |
| Total | | 394 | 100.0 | | |

District