

Cornell University
FY05-06 State Plan of Work Update
For Agricultural Research and
Extension Formula Funds

Cornell University Agricultural Experiment Station
NYS Agricultural Experiment Station
Cornell Cooperative Extension
College of Agriculture and Life Sciences
College of Human Ecology
College of Veterinary Medicine

April 1, 2004

**FY2005-2006 Plan of Work Update
Cornell University**

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Background

Planning Option: Statewide activities -- integrated research and extension plan.

Period Covered: October 1, 2004 through September 30, 2006

Submission and Due Date: April 1, 2004

Projected Resources:

Dollars x 1000 and (SY) or (FTE)

| | FY2005 | FY2006 |
|-------------------------------|----------------|----------------|
| 1862 Research Formula | 5,209 (11.4) | 5,209 (11.4) |
| 1862 Research Match | 5,209 (113.6) | 5,209 (113.6) |
| 1862 Research Total | 10,418 (125) | 10,418 (125) |
| 1862 Extension Formula | 7564 (74.35) | 7564 (74.35) |
| 1862 Extension Match | 7,564 (193.1) | 7,564 (193.1) |
| 1862 Extension Total | 15,128 (267.5) | 15,128 (267.5) |

Projected Distribution Across Goals for FY2005-2006 (Dollars x 1000)

| | Goal 1 | Goal 2 | Goal 3 | Goal 4 | Goal 5 |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|
| 1862 Research Total | 5,009 | 566 | 504 | 2,329 | 1,134 |
| 1862 Extension Total | 2,934 | 1,874 | 3,272 | 2,704 | 4,344 |

Certification:

Daniel J. Decker, Director CUAES

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GOAL 1. AN AGRICULTURAL PRODUCTION SYSTEM THAT IS HIGHLY COMPETITIVE IN THE GLOBAL ECONOMY

Our plans for Goal 1 for FY05-06 largely are a continuation of the existing approved FY00-04 plan. Our outcome indicators are continued from the approved plan but targets are updated based on current reporting information. Priorities for our FY04-05 applied research and extension projects were updated through our stakeholder involvement processes to include the following.

Managing Human Resources Especially Related to Identifying, Hiring, and Retaining New Workers and the Education of Middle Management and Owners

The management and labor picture on New York farms has changed dramatically in recent years. There is a great need for skilled and specialized farm labor and farm owners/managers need the human resource skills and training to help recruit and retain this diverse and valuable work force. Owners and managers need to understand labor laws and how they apply to individual farms, be able to effectively communicate with local communities on issues related to farm/migrant labor, and ensure the quality of life for the labor force. In addition it is important that farm laborers feel engaged and that they are offered opportunities for professional advancement. A well-trained and professional workforce is important to the vitality of agricultural industry in New York.

Identifying Market Channels for Value Added Products

Diversification of production and development of innovative markets will help ensure the sustainability of agriculture and related industries in New York. Producers need to be able to assess the potential of new products (e.g., consumer preferences) and markets and have access to the technologies that will add value to their products. Adding value can include improving quality, extending the season, or developing a new product. Irrespective of added value, a marketing campaign to expand sales to local markets would help the economic viability of agriculture in New York.

OBJECTIVES AND INDICATORS SPECIFIC TO GOAL 1

OBJECTIVE 1.1 To produce new and value-added agricultural products and commodities.

INDICATOR 1.1.1 The total number of refereed or peer reviewed articles or materials reporting research on new or value-added products and commodities and the number of related patents, licenses, or varieties issued.

| Year | # refereed items | # patents, licenses, varieties |
|------|------------------|--------------------------------|
| 2005 | 675 | 40 |
| 2006 | 675 | 40 |

INDICATOR 1.1.2 The total number of persons completing non-formal education programs on production of new and value-added commodities and products and the number of these persons who actually adopt one or more recommended practices or technologies within six months after completing one or more of these programs.

| Year | Output: # completing programs | Outcome: # adopting practice/ technology |
|------|-------------------------------|--|
| 2005 | 10000 | 2500 |
| 2006 | 10000 | 2500 |

OBJECTIVE 1.2 To annually increase agricultural producer awareness, understanding, and information regarding the production of new and value-added commodities and products in U.S. agriculture.

INDICATOR 1.2.1 The total number of persons completing non-formal education programs to improve the productivity and global competitiveness of the U.S. agricultural production system and the number of these persons actually adopt one or more new production techniques or strategies within six months of completing one or more of these programs.

| Year | Output: # completing programs | Outcome: # adopting practice or technology |
|-------------|--------------------------------------|---|
| 2005 | 15000 | 5500 |
| 2006 | 15000 | 5500 |

OBJECTIVE 1.3 To improve decision-making on public policies related to the productivity and global competitiveness of the U.S. agricultural production system.

INDICATOR 1.3.1 The total number of persons annually completing non-formal education programs on topics related to public policy issues affecting the productivity and global competitiveness of the U.S. agricultural production system and the number of those persons make use of such knowledge within six months of completing one or more of these programs.

| Year | Output: # completing programs | Outcome: # utilizing information |
|-------------|--------------------------------------|---|
| 2005 | 8500 | 3200 |
| 2006 | 8500 | 3200 |

Resources Allocated to Goal 1
Dollars x 1000 and (FTE) or (SY)

| | FY2005 | FY2006 |
|------------------------|---------------|---------------|
| Extension Total | 2,934 (60.3) | 2,934 (60.3) |
| Research Total | 5,009 (80.6) | 5,009 (80.6) |

GOAL 2. A SAFE AND SECURE FOOD AND FIBER SYSTEM

Our plans for Goal 2 for FY05-06 largely are a continuation of the existing approved FY00-04 plan. Modest changes were made in our outcome indicators and targets to better reflect current CSREES family and consumer sciences initiatives. Priorities for our FY04-05 applied research and extension projects were updated through our stakeholder involvement processes to include the following.

Improving food security

- Improving availability of and access to nutritious foods at reasonable cost for all New Yorkers, particularly low income and other socially- and economically-disadvantaged populations.
- Helping families use their financial and food resources most efficiently.

OBJECTIVES AND INDICATORS SPECIFIC TO GOAL 2

OBJECTIVE 2.1 To improve food accessibility, affordability, safety, and nutritional value.

INDICATOR 2.1.1 The total number of refereed or peer reviewed articles or materials reporting research on food accessibility, affordability or safety and the number of related patents, licenses, or varieties issued.

| Year | # refereed items | # patents, licenses, varieties |
|------|------------------|--------------------------------|
| 2005 | 75 | 2 |
| 2006 | 75 | 2 |

INDICATOR 2.1.2 The total number of individuals who gain awareness, knowledge, and skills in: identifying food insecurity for themselves or their families, obtaining food assistance from community and alternative food resources and programs, and balancing available resources by planning economic and nutritional food choices and the number of participants who adopt one or more recommended practices within six months after completing one or more programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt practices |
|------|---------------------------------------|---|
| 2005 | 9500 | 3600 |
| 2006 | 9500 | 3600 |

OBJECTIVE 2.2 To increase the effectiveness of constituent and citizen participation on public policy issues affecting food security (i.e., food access, affordability, and recovery).

INDICATOR 2.2.1 The total number of persons completing non-formal education programs on public policy issues affecting food security (i.e., food access, affordability, and recovery) and the total number of these persons who actually become involved in such issues within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually become involved |
|-------------|--|--|
| 2005 | 7500 | 1500 |
| 2006 | 7500 | 1500 |

INDICATOR 2.2.2 The total number of community agencies and organizations that gain awareness of local food security issues and the number that subsequently disseminate information about community and alternative food resources and/or prepare and implement plans to improve local food security.

| Year | Output: # agencies/ organizations gaining awareness | Outcome: # agencies/ organizations distributing info or implementing plans |
|-------------|--|---|
| 2005 | 250 | 125 |
| 2006 | 250 | 125 |

OBJECTIVE 2.3 To annually increase consumer awareness, understanding, and information regarding food safety and food borne risks and illnesses.

INDICATOR 2.3.1 The total number of persons completing non-formal, consumer education programs on food safety and/or food borne risks and illnesses including recommended food purchase, storage, handling, and preparation practices and the total number of these persons who actually adopt one or more recommended food safety behaviors or practices within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt behaviors |
|-------------|--|--|
| 2005 | 35000 | 17000 |
| 2006 | 35000 | 17000 |

Resources Allocated to Goal 2
Dollars (x 1000) and (FTE) or (SY)

| | FY2005 | FY2006 |
|------------------------|---------------|---------------|
| Extension Total | 1,874 (30.6) | 1,874 (30.6) |
| Research Total | 566 (7.7) | 566 (7.7) |

GOAL 3, A HEALTHY, WELL-NOURISHED POPULATION

Our plans for Goal 3 for FY05-06 largely are a continuation of the existing approved FY00-04 plan. Significant changes were made in our outcome indicators and targets to better reflect current CSREES family and consumer sciences initiatives. Priorities for our FY04-05 applied research and extension projects were updated through our stakeholder involvement processes to include the following.

Advancing Healthy Lifestyles, Safety, and Wellness

Desired Outcomes

- Changes in behaviors that contribute to obesity--diet and physical activity
- Reduction in incidence of obesity among vulnerable youth and other priority group
- Decrease in the number of youth and adults with TYPE II Diabetes in New York State
- Long-term changes in the indicators of chronic diseases associated with obesity (blood lipids, blood pressure, insulin resistance) as measured in young and middle age adults
- Longer-term changes in prevalence of obesity and its related diseases (diabetes, heart disease, some cancers, hypertension, etc) in older adults
- Increased fitness levels
- Improved availability and affordability of a safe, healthful and secure food supply
- Increased access to and use of preventative health care in communities

OBJECTIVES AND INDICATORS SPECIFIC TO GOAL 3

OBJECTIVE 3.1 To achieve a healthier, more well-nourished population.

INDICATOR 3.1.1 The total number of refereed or peer reviewed articles or materials reporting research on human nutrition and health or health promotion and the number of related patents, licenses, or varieties issued.

| Year | # refereed items | # patents, licenses, varieties |
|------|------------------|--------------------------------|
| 2005 | 125 | 2 |
| 2006 | 125 | 2 |

INDICATOR 3.1.2 The total number of persons completing non-formal education programs related to knowledge and skills in selecting and preparing foods that meet physiological needs (e.g., physical activity, fitness, weight control, hypertension, special dietary considerations) and the total number of these persons who actually adopt one or more recommended nutrition practices to reduce health risks within six months of completing one or more of these programs.

| Year | Output: # persons acquiring knowledge and skills | Outcome: # who actually adopt practices |
|------|--|---|
| 2005 | 45000 | 18500 |
| 2006 | 45000 | 18500 |

OBJECTIVE 3.2 To annually increase consumer awareness, understanding, and information on dietary guidance and appropriate nutrition practices.

INDICATOR 3.2.1 The total number of persons completing non-formal nutrition education programs related to skills and behaviors for improved nutrition (e.g., reduced portion size, increased selection of complex carbohydrates, improved intake of selected nutrients and food groups) and the total number of these persons who actually adopt one or more recommended practices within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt recommendations |
|-------------|--|--|
| 2005 | 38000 | 19000 |
| 2006 | 38000 | 19000 |

OBJECTIVE 3.3 To promote health, safety, and access to quality health care.

INDICATOR 3.3.1 The total number of persons completing non-formal education programs on positive health behaviors (e.g., increased exercise, stress reduction practices, etc.) and the total number of these persons who actually adopt one or more recommended practices within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt practices |
|-------------|--|--|
| 2005 | 20000 | 12000 |
| 2006 | 20000 | 12000 |

INDICATOR 3.3.2 The total number of persons completing non-formal education programs on selecting health care options, knowledge of health care issues, and health care rights and responsibilities and the total number of these persons who actually adopt one or more recommended practices within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt practices |
|-------------|--|--|
| 2005 | 12000 | 6000 |
| 2006 | 12000 | 6000 |

OBJECTIVE 3.4 To annually increase the level of individual and family safety (or reduce risk levels) from accidents in the homes, schools, workplaces, and communities.

INDICATOR 3.4.1 The total number of persons completing non-formal education programs on home and workplace safety and risk reduction and the number who actually adopt one or more recommended practices within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt practices |
|-------------|--|--|
| 2005 | 8500 | 4000 |
| 2006 | 8500 | 4000 |

OBJECTIVE 3.5 To annually increase the effectiveness of constituent and citizen participation on public policy issues affecting health community decision-making.

INDICATOR 3.5.1 The total number of persons completing non-formal education programs on public policy issues affecting health community decision-making and the total number of these persons who actually become involved in one or more public policy issues within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually Become involved |
|-------------|--|--|
| 2005 | 2500 | 500 |
| 2006 | 2500 | 500 |

INDICATOR 3.5.2 The total number of organizations and insitutions (schools, government and community agencies and organizations, coroporations, etc.) completing non-formal education programs on public policy issues affecting healthy eating practices, improved dietary quality, or increased physical activities and the total number of these organizations and institutions that take action to implement one or more policy/action steps to enhance nutrition and health.

| Year | Output: # organizations/ institutions gaining awareness | Outcome: # organizations/ institutions taking action |
|-------------|--|---|
| 2005 | 250 | 125 |
| 2006 | 250 | 125 |

Resources Allocated to Goal 3
Dollars x 1000 and (FTE) or (SY)

| | FY2005 | FY2006 |
|------------------------|---------------|---------------|
| Extension Total | 3,272 (49.0) | 3,272 (49.0) |
| Research Total | 504 (3.5) | 504 (3.5) |

GOAL 4. GREATER HARMONY BETWEEN AGRICULTURE AND THE ENVIRONMENT

Our plans for Goal 1 for FY05-06 largely are a continuation of the existing approved FY00-04 plan. Our outcome indicators are continued from the approved plan although some targets are modified based on current reporting information. Priorities for our FY04-05 applied research and extension projects were updated through our stakeholder involvement processes to include the following.

Managing Animal Wastes through Whole Farm Nutrient Management Plans and Practice

Clearly the highest rated priority and considered an issue critical to the future of agriculture in New York. Animal wastes from both small and large operations contribute to the degradation of both water and air quality and contribute to the negative perception of farming by the general public/local communities and lawmakers. Issues related to odors are particularly acute near urban development. A multi-disciplinary approaches such as whole farm nutrient plans promise to improve economic returns and minimize risks to the environment. Plans may be broadened to include pesticides and water usage. In addition there exist opportunities to improve manure handling technologies and to market excess nutrients to other cropping systems and to other outlets once composted.

Improving Watershed and Water Resource Protection and Management, Especially in Agricultural and Rural Systems

This priority encompasses a wide range of issues and objectives including water quality protection, watershed restoration and management including practices for the specification of Total Maximum Daily Loads (TMDLs), upstream impacts on estuaries and marine water quality including fish and wildlife habitat. This priority area also includes specific measures directly related to watershed and water resource protection like livestock waste management, pesticide use reduction, and growth management for watershed protection. While the emphasis should be on agricultural and rural systems, it is recognized that New York is a state with significant urbanization and a variety of constituencies often interlinked within large, complex watersheds.

Improving Management Practices for Sustainable Agricultural and Natural Resource Systems

Management options to address land use change and assure more sustainable patterns of population and economic growth and to respond to climate change fall under this priority area. Technologies or practices to conserve energy and to reduce or eliminate agriculture's dependency on chemical pesticides and fossil fuels are important aspects considered in this area.

Improving Policy Makers' and Individual Citizens' Understanding of Different Planning and Management Practices to Make Natural and Agricultural Systems More Sustainable

Different planning and management approaches for addressing issues like land use change, odor control of agricultural wastes, human-animal conflicts, consequences of climate change, use of consumer products, and indoor air quality are part of this priority area. Efforts to address this priority are likely to require the integration of data from biological, physical and social sciences in policy and management decisions.

Improving the Quality of Housing, Home, School, Workplace, and Community Environments

Desired Outcomes

- Reduction in the incidence of illness and injury due to environmental factors
- Increased identification and mitigation of environmental health risks
- More informed decisions about water treatment systems and other water quality choices
- Safer water supplies and better-maintained septic systems
- Adoption of safe use and disposal of household chemical products
- Improved home and community landscapes
- Increased adoption of good horticultural practices to improve life quality

OBJECTIVES AND INDICATORS SPECIFIC TO GOAL 4

OBJECTIVE 4.1 To develop, transfer, and promote adoption of efficient and sustainable agricultural, forestry, and other resource policies, programs, technologies, and practices that protect, sustain, and enhance water, soil and air resources.

INDICATOR 4.1.1 The total number of refereed or peer reviewed articles or materials reporting research on efficient and sustainable agricultural, forestry, and other resource policies, programs, technologies and practices and the number of related patents, licenses, or varieties issued.

| Year | # refereed items | # patents, licenses, varieties |
|------|------------------|--------------------------------|
| 2005 | 255 | 2 |
| 2006 | 255 | 2 |

INDICATOR 4.1.2 The total number of persons completing non-formal education programs on sustaining and/or protecting the quantity and quality of surface water and ground water supplies and the total number of these persons who actually adopt one or more water management practices within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt practices |
|------|---------------------------------------|---|
| 2005 | 15000 | 5000 |
| 2006 | 15000 | 5000 |

OBJECTIVE 4.2 To annually increase producer adoption of agricultural production "best practices" that conserve, protect, and/or enhance the soil resources on or adjacent to agricultural production sites or land uses.

INDICATOR 4.2.1 The total number of persons completing non-formal education programs on conserving, sustaining, and/or protecting soil resources and the total number of these persons who actually adopt one or more soil conservation practices within six months of completing one or more non-formal education programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt practices |
|------|---------------------------------------|---|
| 2005 | 6500 | 3250 |
| 2006 | 6500 | 3250 |

OBJECTIVE 4.3 To annually increase the effectiveness of constituent and citizen participation on public policy issues affecting agricultural production, the environment, and ecosystem integrity and biodiversity.

INDICATOR 4.3.1 The total number of persons completing non-formal education programs on public policy issues affecting agricultural production and ecosystem integrity and biodiversity and the total number of these persons who actually become actively involved in one or more public policy issues within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually become involved |
|-------------|--|--|
| 2005 | 30000 | 2000 |
| 2006 | 30000 | 2000 |

Resources Allocated to Goal 4
Dollars x 1000 and (FTE) or (SY)

| | FY2005 | FY2006 |
|------------------------|---------------|---------------|
| Extension Total | 2,704 (49.1) | 2,704 (49.1) |
| Research Total | 2,329 (23.0) | 2,329 (23.0) |

GOAL 5. ENHANCED ECONOMIC OPPORTUNITIES AND QUALITY OF LIFE FOR AMERICANS

Our plans for Goal 5 for FY05-06 largely are a continuation of the existing approved FY00-04 plan. Significant changes were made in indicators and targets to better reflect current CSREES family and consumer sciences initiatives. Priorities for our FY04-05 applied research and extension projects were updated through our stakeholder involvement processes to include the following.

Enable Community and Government Capacity Building Quality of life improvements include a wide range of economic and social development affecting individuals, families, firms, and communities. This incorporates sound decision-making systems, community-led development, partnership building, an informed and educated citizenry, community entrepreneurship, and place-based approaches. Training and resources might focus on community-building skills, planning tools, civic engagement, leadership development, local government issues, and community decision-making. Emphases:

- Community leadership
- Governance and management capacity building
- Fiscal and organizational research and innovation
- Community visioning and strategic planning

Strengthen Community Economic Development New measures and resources to create an entrepreneurial climate might include: human capital improvement through youth and adult workforce development and education; technical assistance and resource toolkits appropriate for diverse communities and economic diversification; and extension educators skilled in value-added entrepreneurship, economic impact analysis, e-commerce, market development, business planning, and brokering partnerships. Emphases:

- Main street revitalization and retail trade analysis and development
- Community-based agricultural economic development
- Fiscal and economic impact analysis
- Workforce development
- Business development and assistance

Develop Effective and Collaborative Land Use Management Approaches and Policies that Enhance Connections Between Economic and Environmental Dimensions of Community Development The environment is an essential basis for community prosperity over time and we need to insure environmental stewardship of the state's natural support system of watersheds, woodlands, wildlife and habitats, open spaces, and forests. Research interests could include the need to better understand the value of natural resources and environment to communities and society in order to adequately address environmental vulnerabilities in a cost-effective and sustainable manner. Training and resources might focus on land use issues, farmland preservation, sprawl and growth, use of open spaces, and community decision-making. Emphases:

- Community environmental management (e.g. water quality improvement and protection)
- Smart growth, rural-urban interface, and land use planning issues
- Infrastructure management

Improving Caregiving for Children and Elders

Desired Outcomes

- Increased parents' engagement in positive activities and interactions with their young children
- More parents who wish to are able to care for their young children in the home
- Increased developmentally appropriate and affordable child care and early education programs
- Increased knowledge of high quality elder care
- Improved social support and decreased isolation of elders
- Support of and education with caregivers and families lead to improved elder care

Enhancing Personal Skills in Household Economics, Financial Literacy, and Resource Management

Desired Outcomes:

- Increased household wealth
- Decreased household debt
- Improved financial management knowledge and skills
- Changed financial management behaviors of youth and adults
- Enhanced food security
- Improved financial plans and status into retirement
- Improved ability to manage medical care expenses

Develop And Apply Youth Community Action Models And Methods

Desired Outcomes:

- Youth will be respected as learners and teachers, and their knowledge, talents, and skills are put to use educating others.
- Youth will be engaged in public work, producing things of lasting value to our communities and our commonwealth.
- 4-H work positively influences adult and community attitudes toward youth.

Advance Life Skill Development

Desired Outcomes

- Deepening our understanding of how young people acquire life skills (health/physical, personal/social, cognitive/creative, and vocational/citizenship skills) will strengthen educational practice.

Defining and Applying Principles Of Positive Youth Development There is evidence that youth with more personal and social assets have greater positive development. Since program features typically work together in synergistic ways, programs with more features are likely to provide better supports for young people's positive development. Research that focuses directly on these features in the Cooperative Extension youth programming setting would increase our understanding of how community programs for youth could incorporate these features into program design and implementation. Desired Outcome:

- Strengthened educational practice within CCE and collaborating youth-serving organizations

Enhancing Science And Technology Literacy

Desired Outcomes:

- CCE 4-H youth development programs will contribute substantively to youth achievement of new learning standards.
- 4-H Youth Development curriculum in science and technology will prepare youth for the future through helping them to develop mastery. Mastery is the building of knowledge, skills and attitudes and then demonstrating the competent use of this knowledge and skills in the manner of a proficient practitioner.

OBJECTIVES AND INDICATORS SPECIFIC TO GOAL 5

OBJECTIVE 5.1 To increase the capacity of communities and families to enhance their economic well-being.

INDICATOR 5.1.1 The total number of refereed or peer reviewed articles or materials reporting research on community or family economic or social well being.

| Year | # refereed items |
|------|------------------|
| 2005 | 200 |
| 2006 | 200 |

INDICATOR 5.1.2 The total number of public officials and community leaders completing non-formal education programs on community economic development and/or enterprise development and the total number of these public officials and community leaders who actually adopt one or more recommended practices to promote economic development, attract new businesses or help retain or expand existing businesses within six month after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt practices |
|------|---------------------------------------|---|
| 2005 | 3500 | 850 |
| 2006 | 3500 | 850 |

INDICATOR 5.1.3 The total number of persons completing non-formal education programs on community decision making, public issues, or leadership development and the total number of these persons who actually become actively involved in one or more community projects within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually become involved |
|------|---------------------------------------|---|
| 2005 | 6500 | 3000 |
| 2006 | 6500 | 3000 |

OBJECTIVE 5.2 To annually improve individual abilities to achieve financial self-sufficiency and stability.

INDICATOR 5.2.1 The number of persons who increase financial knowledge by completing non-formal financial management education programs and the number of those who implement practice changes such as setting or revising spending plans, tracking household expenditures, paying bills on time, and/or reducing debt within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt practices |
|-------------|--|--|
| 2005 | 10500 | 4000 |
| 2006 | 10500 | 4000 |

INDICATOR 5.2.2 The number of persons who increase knowledge related to financial security in the life course by completing educational programs and the number of those who implement practice changes such as beginning or increasing saving, establishing or revising investment plans, initiating participation in or increasing contributions to employer-provided and/or other retirement plans, and/or developing and/or implementing a plan for managing long-term health care needs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt practices |
|-------------|--|--|
| 2005 | 10500 | 4000 |
| 2006 | 10500 | 4000 |

OBJECTIVE 5.3 To increase the capacity of youth to improve their own quality of life and the quality of their communities.

INDICATOR 5.3.1 The total number of youth participating in youth community action projects and the number of those youth who become actively involved engaged in community-based projects or issues within six months after completing one or more of these programs.

| Year | Output: # youth participating in community action | Outcome: # youth who become involved in public work |
|-------------|--|--|
| 2005 | 5000 | 1500 |
| 2006 | 5000 | 1500 |

INDICATOR 5.3.2 The number of persons participating in non-formal life skills education programs (health/physical, personal/social, cognitive/creative, and vocational/citizenship skills) and the number of those persons who actually apply those skills within six months after completing one or more of these programs.

| Year | Output: # youth participating in community action | Outcome: # youth who become involved in public work |
|-------------|--|--|
| 2005 | 15000 | 4500 |
| 2006 | 15000 | 4500 |

INDICATOR 5.3.3 The number of youth participating in non-formal education programs preparing youth for science and technology demands of the future and the number of youth demonstrating mastery of science and technology concepts and/or achievement of new learning standards within six months after completing one or more of these programs.

| Year | Output: # youth participating | Outcome: # youth achieving mastery |
|-------------|--------------------------------------|---|
| 2005 | 15000 | 4500 |
| 2006 | 15000 | 4500 |

OBJECTIVE 5.4 To annually increase the availability and affordability of high quality family care.

INDICATOR 5.4.1 The total number of professionals who work with infants, children, youth, and older adults completing non-formal education programs about high quality, age-appropriate care, and developmental experiences and the total number of these care providers who actually adopt one or more new principles, behaviors, or practices within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt new principles, etc. |
|-------------|--|---|
| 2005 | 15000 | 4500 |
| 2006 | 15000 | 4500 |

INDICATOR 5.4.2 The total number of persons completing non-formal education programs on parenting and the total number of these persons who actually adopt one or more parenting principles, behaviors, or practices within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt principles, etc. |
|-------------|--|---|
| 2005 | 25000 | 14000 |
| 2006 | 25000 | 14000 |

INDICATOR 5.4.3 The total number of persons with care-requiring dependents (infants, children, youth, and older adults) completing non-formal education programs on selection of and interaction with care-giving individuals and facilities and the total number of these persons who actually apply that knowledge in selecting care within six months after completing one or more of these programs.

| Year | Output: # persons completing programs | Outcome: # who actually adopt principles, etc. |
|-------------|--|---|
| 2005 | 15000 | 4500 |
| 2006 | 15000 | 4500 |

INDICATOR 5.4.4 The total number of organizations, agencies, and institutions participating in non-formal educational programs about social and public policy issues to enhance opportunities for safe, economical, and developmentally appropriate care-giving programs for infants, children, youth, and older adults and the number of those entities implementing one or more policy or practice changes within six months after completing one or more of these programs.

| Year | Output: # agencies/ organizations completing programs | Outcome: # agencies/ organizations making policy changes |
|-------------|--|---|
| 2005 | 750 | 200 |
| 2006 | 750 | 200 |

INDICATOR 5.4.5 The total number of persons completing non-formal education programs on the practice of youth development and the total number of these persons who actually adopt one or more youth development principles, behaviors, or practices within six months after completing one or more of these programs.

| Year | Output: # persons completing Programs | Outcome: # who actually adopt principles, etc. |
|-------------|--|---|
| 2005 | 20000 | 11000 |
| 2006 | 20000 | 11000 |

OBJECTIVE 5.5 To improve home environment safety and quality and decrease home energy costs.

INDICATOR 5.5.1 The total number of persons completing non-formal educational programs and acquiring knowledge and skills for acquiring and maintaining housing and enhancing indoor environmental quality and the number of those persons who actually adopt one or more recommended practices within six months after completing one or more programs.

| Year | Output: # persons completing programs | Outcome: # who adopt practices |
|-------------|--|---------------------------------------|
| 2005 | 3500 | 1650 |
| 2006 | 3500 | 1650 |

INDICATOR 5.5.2 The total number of persons completing non-formal educational programs and gaining knowledge and skills related to acquiring/adapting energy-efficient housing units and the number of those persons who actually adopt one or more recommended practices within six months after completing one or more programs.

| Year | Output: # persons completing programs | Outcome: # who adopt practices |
|-------------|--|---------------------------------------|
| 2005 | 3000 | 1200 |
| 2006 | 3000 | 1200 |

Resources Allocated to Goal 5
Dollars x 1000 and (FTE) or (SY)

| | FY2000 | FY2001 |
|------------------------|---------------|---------------|
| Extension Total | 4,344 (78.5) | 4,344 (78.5) |
| Research Total | 1,134 (10.2) | 1,134 (10.2) |

STAKEHOLDER INPUT PROCESS

Our Stakeholder Input Process for FY05-06 is a continuation of the approach outlined in our existing approved FY00-04 plan as updated in our annual reports. More specifically, we fully transitioned from our structure of Statewide Program Committees to that of Program Councils and Program Work Teams. Complete documentation is available at: <http://www.cce.cornell.edu/admin/program/pwts/> Each of the goal descriptions in this update includes additional priorities coming forward from the deliberations of our Applied Research and Extension Program Councils.

CCE local plans of work undergo formal review every four years and are updated at the mid point of the four-year period. A major review is nearing completion and will be reported upon in our FY04 annual report. At least 5,000 audience members and volunteers contributed to local and statewide “environmental scanning” data gathering to inform this process.

PROGRAM REVIEW PROCESSES

Our Program Review Processes for FY05-06 continue approaches outlined in our existing approved FY00-04 plan as updated in our annual reports.

MULTISTATE RESEARCH AND EXTENSION ACTIVITIES

Our plans for Multistate Research and Extension Activities for FY05-06 continue those established in our existing approved FY00-04 plan as updated in our annual reports. As such, our target multistate activity percentage for Smith-Lever expenditures continues at 12% and the research target remains 25%.

INTEGRATED RESEARCH AND EXTENSION ACTIVITIES

Our plans for Integrated Research and Extension Activities for FY05-06 continue those established in our existing approved FY00-04 plan as updated in our annual reports. As such, our target percentage of expenditures for integrated activities is 25% for both research and extension.

MULTI-COUNTY INITIATIVES

Our plans for Multi-county Initiatives for FY05-06 extend plans established in our existing approved FY00-04 plan as updated in our annual reports. Of particular note will be full integration of our more than 20 distance-learning centers in program delivery.