DISTRICT OF COLUMBIA

Agricultural Experiment Station
Cooperative Extension Service
FY 2005 – 2006 Joint Plan of Work Update

OVERVIEW

1.0 Introduction

The Agricultural Experiment Station (AES) and the Cooperative Extension Service (CES) has continued to develop research with practical application, practical learning, and public service that emphasize community engagement. Our urban land-grant focus dictates a close working relationship between the university, government, business and industry, community-based service providers, and stakeholders to address issues of socio-economic, physical, health, and environmental concerns to effect high quality living in the District of Columbia. The cooperative efforts of the Agricultural Experiment Station and the Cooperative Extension Service have resulted in new research opportunities, educational, and training activities that have impacted the quality of lives of our diverse ethnic and cultural customers.

2.0 Continuing Programs

The Agricultural Experiment Station and the Cooperative Extension Service will continue working together in finding solutions to urban problems through research, education, and training. Research and Extension project/programs will also reflect some of the Mayor's priorities for the District of Columbia while meeting the goals of the Cooperative State Research Education, and Extension Service (CSREES).

2.1 Agricultural Experiment Station

The Agricultural Experiment Station is unique among land-grant institutions because it is located in an urban area, thus focus on urban and peri-urban agriculture. Through research, investigational activities, teaching, and engagement, our urban agriculture seeks to assist in producing sustainable, healthy environs and communities, thereby enhancing the quality of life for the citizens of the District of Columbia. Our Urban Agricultural Initiatives emphases include, but not limited to, social and economic concerns, human health and nutrition, a healthy society, plight of the homeless, environmental education and stewardship, resource conservation, water quality, urban gardening and food productivity, pest management, and community vitality. The AES will continue to develop and implement urban agriculture consistent with the national goals promulgated by CSREES

2.1A AES CONTINUING AND DELETED PROGRAMS

Goal 1: An Agricultural System That Is Highly Competitive In the Global Economy

- CONTINUE - Promoting principles of Sustainable Agriculture to support methods of gardening in limited urban space in the District and throughout the world.

Cost Estimate: 22,548 FTE: .25

- DELETE – "Nodulation in *Vigna unquiculata* with *Rhizobium* or *Bradyrhizobium* After Treatment with Biosolids"

Goal 2: A Safe, Secure Food and Fiber System

- CONTINUE - "Postharvest Physiology of Fruits" undergoing request to write a proposal.

Cost Estimate: 97,048 FTE: 1.18

Goal 3: A Healthy, Well-Nourished Population

- CONTINUE - "Nutritional Risk and Antioxidant Status in the Elderly"

Cost Estimate: 122,313 FTE: 1.74

Goal 4: Greater Harmony Between Agriculture and the Environment

- CONTINUE - Assessing the use of biodegradable waste as composted material and used as soil amendments in crop production in the urban gardens of the District of Columbia

Cost Estimate: 22,549 FTE: .20

- CONTINUE (Title Should Have Read) - Speciation of Triorganotin Compounds and Their Interactions with Anacostia and Potomac River Sediments"

Cost Estimate: 54,256 FTE: .64

- CONTINUE - "The Water Environment Studies in Schools (WESS) Teacher Training Research"

Cost Estimate: 124,630 FTE: 1.36

- DELETE – Collaboration with the DC Cooperative Extension Service to test soil under laboratory conditions to determine the basic fertility levels of their garden soils.

Goal 5: To Enhance Economic Opportunities and The Quality of Life Among Families and Communities

- CONTINUE - "The Water Environment Studies in Schools (WESS) Teacher Training Research" sponsored by the Office of Postsecondary Education, Research and Assistance program.

Cost Estimate: 69,345 FTE: .68

- CONTINUE - The Adopt-A-Block a partnership beautification and litter program with the DC Public Schools and Keep Washington DC Beautiful.

Cost Estimate: 49,293 FTE: .78

- DELETE – The National Tree Trust project

- DELETE AND PLACE UNDER COOPERATIVE EXTENSION - The **Center for Nutrition, Diet, and Health**

2.1 B DELETED AES PROJECTS, PROGRAMS AND INIATIVES

Urban Gardening

Project: "Gardening for Health and Profit"
Project: Achievement in Developmental Courses: A comparative Analysis
Project: "Global Positioning System/Geographic Information Systems"

2.1 C AES PLANNED PROJECTS, PROGRAMS, AND INITIATIVES FOR FY 2005 - 2006

Goal 4: Greater Harmony Between Agriculture and the Environment

<u>Project</u>: Influence of Bradyrhizobium Isolated from Soils and Treated with Biosolids

Statement of Issue: Biosolids recycling can save rapidly dimishing landfill space by promoting sustainable agriculture by using biosolids as a nutrient rich organic fertilizer in home and community gardens.

Methods: The relationship between bradyrhizobia genotypes, nitrogen fixation, and yield in cowpea with the level of biosolids compost treatment of soil will also be evaluated. All data will be statiscally analyzed by the analysis of variance (ANOVA) using the SAS system for Windows. Sample means will be separated by using the Duncan's multiple range tests.

Outcomes: Application of biosolids or biosolids compost to farm land offers the potential to improve soil fertility, thereby reducing the need for disposal on decreasingly available landfill.

Cost Estimate: 103,790 FTE: 1.49

<u>Project</u>: The Effect of Bradyrhizobial Genotypes on Nodulation in *Vigna unquiculata* and *Glycine max*

Statement of Issue: A comparison of the molecular pattern of two Bradyrhizobium species isolates that nodulate cowpea and soybean will be compared to determine the genes that relate to the shared nodulation phenotype.

Method: This research project will:

(1) The molecular pattern of the two *Bradyrhizobium* isolates, by DNA fingerprinting, will be compared to determine the genes that relate to their specific phenotypes.

(2) Examination of competitive interaction between the two isolates will be conducted to determine the most effective nodulating strain for cowpea, soybean, and soybean and cowpea.

(3) Determining the onset of production and the location of early nodulins in nodules will be done using in situ hybridization studies with fluorescent and transmission electron microscopy.

Outcomes: By examining DNA sequences and other characteristics of the two unique bacteria found in biosolids-amended soil may prove valuable in converting organic waste into composted biosolids as fertilizer for use in agriculture. This may help increase nitrogen fixation and plant yield and if verified, this will be significant in aiding in the disposal of biosolids and benefiting farm growers world-wide.

Cost Estimate: 97,048 **FTE: 1.09**

Project: Integrated Pest Management in Urban Gardens

Statement of Issue: This IR-4 project will concentrate on monitoring the use of pesticides among the urban gardeners of the District of Columbia and introduce safe cultural techniques for control of weed, disease, and insects.

Methods: The project director, the State Liaison Representative, will gather information on new pesticides and application techniques for using pesticides to control vegetable and ornamental crop pests in the Washington Metropolitan area. Information gathered will be demonstrated in field plot research at the Experiment Station's Research Farm and will be communicated to gardeners through seminars and workshops.

Outcomes: The use of cultural techniques, instead of chemical pesticides, will be adopted by our urban gardeners. Those techniques consist of the use of composted waste as soil amendments, instead of commercial fertilizers; employing crop rotation, and the use of resistant varieties of plants, as opposed to chemicals, to control weeds, disease and insects.

Cost Estimate: 82,668 **FTE: 1.15**

Project: Sustainable Agriculture

Statement of Issue: There is a need to develop safe low-input techniques, as opposed to traditional fertilizing techniques, for growing vegetable crops and ornamentals for urban gardeners without the possibility of polluting the environment with potentially harmful chemicals.

Methods: Demonstration, training and educational programs will continue to be conducted to show the use of composted yard waste and cow manure were good sources of soil amendments for growing crops and ornamentals. Additionally, gardeners will be given training through field days and seminars in applying sustainable agricultural techniques to achieve this low-input goal.

Outcomes: More local and community gardeners and garden clubs will be requesting assistance and information pertaining to the low-input techniques. It is expected that more gardeners will use compost and manure as a soil amendment rather than commercial fertilizer for increase yield, size, and weight. Local groups and citizens of the District of Columbia requests for copies of our articles on plot preparation for local gardens should increase.

Cost Estimate: 146,006 **FTE: 1.28**

Goal 5: To Enhance Economic Opportunities and The Quality of Life Among Families and Communities

Project: Does Space Matter: The Neighborhood Context of Drug Market Activity

Statement of Issue: The purpose of this study is to conduct an exploratory spatial analysis of drug market hot spots in the District of Columbia. The relationship between social, economic variables, and built in environmental factors will be examined in each of the communities that are identified as sites of on-going drug market activities.

Method: This research will employ the use of GIS technology into a qualitative and quantitative research design to allow for the integration of different data sources that provide useful and important information in an effort to construct profiles of the drug market hot spots. The following social and economic variables will be examined: absolute poverty, number of vacant housing units, unemployment rates, and educational levels of the population. Profiles will be developed for each of the identified drug hot spots and comparisons will be made between those areas that have and have not been affected by drug market activities. The analysis will consider other indicators of the social climate and a built environment including the presence or absence of churches, bars, liquor stores, and known gang territories. A statistical analysis will be conducted on the quantitative data collected. Logistic regression analysis will be employed, using hot spots and non-hot spots at the block group level as a dichotomous variable.

Outcomes: Data will add contextual information about the social conditions of the drug market locations, which will provide further insight into the nature of the environment and useful information about the physical conditions and the vitality of the neighborhoods examined. Research findings will provide relevant information that will aid the development of theoretical and policy considerations concerning the presence of drug market activities at the neighborhood level. Additional findings from this study will also have implications for the relevance of location in the perpetuation of such activity in other metropolitan areas.

Cost Estimate: 23,179 **FTE: .5**

Project: The Green Team Beautification and Maintenance Program

Statement of Issue: To transform Washington, DC – America's Crown Jewel – into a cleaner and more beautiful environment to live, work and play, through establishing and sustaining effective partnerships with multi-sector partners and individuals that support local cleaning enhancement and education programs.

Method: Provide quality maintenance and upkeep and maintain good community relationships and to offer the homeless and unemployed members of the community opportunities for full-time employment. Services will include sweeping and removal of

all trash and debris from the curbside, including vacant lots and in front of vacant building, removal of posters, signs and placards from trees and lamppost, removal of Graffiti within the business and neighborhood area, clean litter from the tree spaces, flower boxes and street center islands.

Outcomes: Restoring pride in the neighborhood and enhancing employment and housing opportunities for the homeless. This program will demonstrate to the community that there is a coordinated effort to improve public space for residents and businesses.

Cost Estimate: 250,000 **FTE: 1**

2.1 D MULTISTATE RESEARCH ACTIVITIES

The two Multistate Research Projects are:

(1) CONTINUE - NE-103 Post-Harvest Physiology of Fruits
(2) CONTINUE - NE-172 Nutritional Risk and Antioxidant Status in the Elderly

2.2 Cooperative Extension Service

The Cooperative Extension Service will continue to address the practical educational and training needs of District residents. CES will seek new effective and efficient ways to enhance educational and training opportunities while it maintains relevant high quality programs and activities with measurable outcomes. CES will continue to be involved in programming activities that will include interagency and public/private collaborations. Programs, activities, educational and applied research in support of national goals will continued to be provided through the CES program units.

2.2. A CES CONTINUING AND DELETED PROGRAMS

Goal 1: To Achieve An Agricultural Production System That Is Highly Competitive In The Global Economy.

- **CONTINUE:** 1) Master Gardener, 2) Junior Master Gardener, 3) Home Lawn and Garden Assessment

Cost Estimate: 60,000 **FTE: 1. 5**

Goal 2: A Safe, Secure Food and Fiber System

- **CONTINUE:** 1) Food Safety, 2) Food Handling, 3) Food Safety in Day Centers, 4) Food Safety for Children, 5) Food Safety and HIV

Cost Estimate: $415,212. **FTE: 5.0**

Goal 3: A Healthy, Well-Nourished Population

- **CONTINUE - "Nutrition on Demand Programs":** 1) Senior Nutrition Program, 2) Diabetes and the Homeless, 3) Family Nutrition in the Hispanic Community, 4) Welfare to Work, 5) Nutrition from the Garden
  "Center for Nutrition and Health": 1) Determinants of Childhood Obesity, 2) Food Stamp Nutrition Education Program

Cost Estimate: $249,000 **FTE: 2.95**

Goal 4: Greater Harmony Between Agriculture and the Environment

- **CONTINUE:** 1) Pesticide Safety Programs, 2) Program: Agriculture In the Classroom , Program: Project Learning Tree (PLT)

Cost Estimate: $100,000 **FTE: 1.5**

Goal 5: To Enhance Economic Opportunities And The Quality of Life Among Families and Communities

- **CONTINUE:** 4-H and Youth Development Program,

Cost Estimate: $180,000 **FTE: 1.4**

- **CONTINUE:** Personal and Business Economics

Cost Estimate: $150,000 **FTE: 2.25**

- **CONTINUE:** 1) LifeSmarts, 2) Literacy - DC READS

Cost Estimate: $197,000 **FTE: 1.0**

- **CONTINUE:** Family Resource Management

Cost Estimate: $20,000 **FTE: 0.5**

- **DELETE:** Parenting Education and Senior Issues

- **CONTINUE:** Promoting Housing Programs (re-named from Energy Conservation and Home Repair)

Cost Estimate: $125,000 **FTE: 1.5**

- **CONTINUE:** Healthy Indoor Air Quality

Cost Estimate: $125,000 **FTE: 1.0**

- **CONTINUE**: Center for Nutrition, Diet, and Health research projects.

Cost Estimate: $ 87,000. **FTE: 1.0**

- **CONTINUE**: Center for the Study of Cooperatives programs/projects/activities.

Cost Estimate: $115,342 **FTE: 1.5**

2.2. B DELETED CES PROGRAMS AND INITIATIVES

Goal 5: To Enhance Economic Opportunities And The Quality of Life Among Families and Communities

Youth Development Programs (Youth at Risk)

- "A Day in your Future Life"
- "Academic Achievement through Athletics"

Community Leadership Development

- "Community Leadership for Civic Leaders"

Adult Literacy

- "High School Completion to College Entrance"

2.2.C CES PLANNED PROJECTS, PROGRAMS, AND INITIATIVES FOR FY 2005 -2006

New initiatives were developed and/or enhanced to reflect the input of the Advisory Board as financial and human resources permit. The emphasis for project and program development during the remainder of the POW will be on children, youth, and families.

Goal 1: An Agricultural System that is Highly Competitive in the Global Economy

Key Theme: Water Quality: Geological Information Systems and the Global Positional Systems

Statement of Issue: As drinking water for the District of Columbia is derived from the Potomac River a "surface water" supply, contaminants may be present in this source water. Rain and other precipitation and harmful contaminants such as microbes, viruses, bacteria, inorganic salts, pesticides, herbicides, and radioactive contaminants may adversely affect the quality of the water supply. To that end, the public perception of the city's water quality is less than desirable. It is felt by many consumers that bottled water is superior to that derived from the tap. Therefore, as the city seeks to improve the perception and possible quality of the water supply, it may be useful to discover the status of safety of city drinking water as it relates to possible consumer threats in specific locations and to discern if there is validity in public opinion about the safety of the District of Columbia drinking water. As the District of Columbia and its surrounding areas are already identified as jurisdiction whose water supply contains lead at dangerous levels, this project, **"DC H_2O: What's On Tap?,"** proposes to identify sources of water within each of the city's eight wards that pose threats to consumer health and safety in households, schools, and public libraries.

Method: Eight teams of 2 to 3 youth will be recruited from the pool of 4-H youth in the UDC 4-H/Youth Development Program. Each team will be assigned a ward in the city to collect water samples. Each ward team will collect water samples from the taps of their homes, schools, and community libraries. Water samples will be analyzed by a local laboratory for possible contaminants which will include, but not be limited to: lead, copper, and coliform bacteria. The teams will prepare an interactive map of water sources to demonstrate their working knowledge of the GIS technology and of the quality of the water supply in their wards. Recruiting, training, and preparation for the project will be led by the UDC Cooperative Extension Service 4-H/Youth Development Unit and its partners at the United States Department of Agriculture (USDA), D.C. Public School System (DCPS) and 4-H volunteers.

Outcomes/Impact: In addition to increasing the health and environmental knowledge of 4-H members, students will also enhance their knowledge of Global Information Systems (GIS) mapping technology. In the project, District of Columbia youth ages 12 to 18, will be exposed to technology and water resource management while increasing their awareness of water quality in the District of Columbia.

Cost Estimate: $15,000.00 **FTE: 1.5**

Goal 3: A Well-Nourished Population

Key Theme: Health **"Is Your Water Safe"**

Statement of Issue(s): The question consumers are most often faced with, **"Is your water safe?"** The District water supply has become a District-wide concern. The lead levels have been reported to be above the healthy limits. Water is essential for many body functions. Water provides an aqueous medium for cellular metabolism, transports materials to and from cells, acts as a solvent, regulates body temperature, maintains the vascular blood volume, aids in the digestion of food, maintains the chemical and physical constancy of the intracellular and extracellular fluids, and aids in the excretion of waste from the body. Body water balance is essential for good health. Water imbalances may lead to overload or dehydration. Many of our customers do not have the resources to purchase bottle water. This proposed project, "District of Columbia Drinking Water Blind Taste Testing", seeks to gather information on consumers' consumption of the District's drinking water. The research objectives are as follows: 1) to conduct drinking water Blind Taste Testing to a cross-sectional sample of 100 individuals who live and /or work in the District of Columbia; 2) to determine the comfort level of individuals with the District of Columbia drinking water; 3) to determine the types of water being consumed by individuals who live and work in the District of Columbia; 4) to determine factors related to the selection of drinking water by individuals who live and work in the District of Columbia; 5) to develop recommendations for the increased consumption of the District of Columbia drinking water supply.
Method: Blind taste testing panels and survey instrument
Outcomes/Impact: Increase understanding of DC water supply; Increased number of individuals drinking DC Tap water; Increased knowledge on the importance of water.
Cost Estimate: $15,000 **FTE: 0.5**

Goal 4: Greater Harmony between Agriculture and the Environment

Key Theme: Sustainable Agriculture - Agriculture in the Classroom (AITC)

Statement of Issue: PARTNERSHIP WITH CORNELL UNIVERSITY/CES
"Kids Growing Food" is a gardening program that gives teachers and students an opportunity to grow their own food at school. The goals of the program are to increase agricultural awareness and to provide a garden classroom for teachers and students. Begun in 1998, Kids Growing Food has helped establish over 250 school food gardens throughout New York and other Mid-Atlantic states. The participating schools in the District of Columbia are: Wilson Senior High, Browne Jr. High, Hine Jr. High, Bowen ES, Adams ES, Rudolph ES, Seaton ES, John Burroughs ES, Community Academy Public Charter and St. Augustine Catholic PreK-8. Special "Planting" activities/celebration will be held during National Agriculture Week, which is the third week in March.
Method: Develop more partnerships with community organizations that focus on agriculture and gardening, seek sustaining funds from local, state and federal sources, continue the format used for AITC training program, solicit in-kind services, matching

funds and support, establish an advisory committee, include middle and junior high school teachers and students as part of the target group.

Outcomes/Impact: On going impact for teachers and students in DCPS will be access to the vast information resources to be found on the Internet and from individual staff members at USDA, and Access to the scientific information provided by the Agricultural Research Service staff including a tour of the facility.

Cost Estimate: $65,000 **FTE: 0.60**

Goal 5: To Enhance Economic Opportunities and the Quality of Life among Families and Communities

Key Theme: Children, Youth and Families at Risk -"CES Asthma Project Collaborative"

Statement of Issue: Often undiagnosed and under-treated, asthma is the number one serious chronic illness in children and the leading cause of school absences and hospitalization. An estimated 10,000 children under age 18 and 22,000 adults in the District of Columbia suffer from asthma, according to the Allergy and Asthma Foundation of America, costing the District more than an estimated $14 million in 1998 in direct medical expenditures for hospitalizations, doctor visits, medications, and related expenses. Factors such as poverty, inconsistent primary care follow-up, hazardous environmental conditions, and lack of community awareness contribute to the disproportionate impact of asthma on African-American and Hispanic children in the District.

The DC Asthma Coalition's three key activity areas are:

(1) Strengthening collaboration, coordination, resource sharing, and policy development
(2) Educating children, caregivers, professionals, and the community on best practices to manage asthma through trainings, home visits, health fairs, and targeted campaigns
(3) Conducting a two-year demonstration project that will:
    (a) Enroll 230 study participants (400 before attrition)
    (b) Facilitate a collaborative case management process with six multidisciplinary teams of medical, community, social service, daycare, and school health providers
    (c) Implement an extensive home visit and follow-up program
    (d) Utilize Asthma Action Plans to help manage and coordinate care
    (e) Promote extensive data sharing among partners.

Outcomes/Impact:

This endeavor is not a clinical trial but rather a systematic documentation of the procedures, barriers, and facilitating characteristics associated with collaborative interventions and care for this target population. It is intended to result in the delineation of a series of best practices, collaborative care protocols, and guidelines that will assist practitioners and inform policy regarding optimal management of diverse resources in this community in the diagnosis, provision, and monitoring of care for at-risk children with asthma.

Our challenge is to help diverse disciplines and programs to work together to produce manageable interventions appropriate for at-risk children and their families.
Cost Estimate: **$25,000** **FTE: .85**

Key Theme: 4-H/Youth Development

Statement of Issue: There is mounting evidence of the usefulness and need for a strong and vital 4-H and Youth Development Program that serves all youth in the Nation's Capital. However, as the faces, cultures, and economic dynamics of the city continue to change, so does the need for increased resources in the program. The number of youth and families that comprise the growing numbers of the underserved urban population continue to swell. The UDC 4-H Youth Development Program provides the training, guidance, and preparation for the life skills development that ensures the outcome of productive citizenry among involved youth. **Banner Programs and Projects under the UDC 4-H Youth Development Unit:**

- **Sew-n-Know Entrepreneurship Program**-A clothing construction, design, and re-design program that teaches youth ages 11-17, to construct and re-design garments for the purpose of becoming entrepreneurs.
- **UDC 4-H Cyber Camp**-Cyber Camp - In the cyber camp, youth ages 11-17 gain basic computer skills and learns to use various software programs. As a part of this multi-disciplinary program, youth improve their presentation and public speaking skills as well enhance their nutrition, fitness and entrepreneurship knowledge.
- **Embryology Program-** teaches youth the principals of animal husbandry and animal science through growing baby chicks from eggs. It is projected to be used in all 8 wards of the city during the FY 04 and 05 fiscal years as volunteer leaders in each ward are trained to use it in their after-school programs.

Method: The program will be conducted using national and local networks to build and sustain partnerships for collaboration. Partners will assist in delivering 4-H projects, programs, and will advise the state office and its supporters on matters of program delivery that are relevant to our customer and stake-holder base.
Outcomes/Impact: With additional human capital, the procurement of contractors to deliver the banner programs and educational materials for new volunteer support, the 4-H Program could increase the number of active clubs by 10 in FY 04. The number of new volunteers to be trained to deliver banner programs could be increased by 30 and the number of new recruits in 4-H youth could be increased by 100, while the number of clubs could be increased by 10 resulting in a 4-H presence in each ward of 1-2 clubs per ward.
Cost Estimate: **$150,310** **FTE: 2.0**

Key Theme: Family Resource Management

Statement of Issues: Most people like to take their car in for service and repairs about as much as they like getting a root canal! Often consumers feel uncertain, overwhelmed, and distrustful at a repair shop. The reasons consumers dislike service facilities vary. Expected poor service, confusing explanations, inconsistent diagnoses of a problem from one shop to another, differing prices, general fear and distrust arising from a lack of

knowledge of what the vehicle needs – all of these problems and more can contribute to consumers' car-care wariness.

Method: Information about the Motorist Assurance Program will be distributed to District residents through workshops, exhibits, newsletters, and fliers.

Outcome/Impact: The MAP Program will help the automotive service and repair industry cultivate consumer trust. Both the shop and the consumer will develop a long-term relationship based on trust and confidence.

The Uniform Inspection and Communication Standards develop through MPA by the industry, will give the repair shops and consumer a common road map to follow to prevent misunderstandings. Service staff can review the UICS with consumer and give him/her a copy of the MAP required estimate, which explains in clear language what will be done to the vehicle, and why.

Cost Estimate: $3,000 **FTE: 0.25**

3.0 STAKEHOLDERS INPUT FOR NEW PROGRAM INITIATIVES FOR FY 2005-2006

Agricultural Experiment Station

ADD - The AES redesigned the Stakeholders Survey to address issues based on three of the District of Columbia Mayor's priorities: (1) Strengthening Children, Youth, Families, and Elders; (2) Building Sustainable Neighborhoods; and (3) Promoting Economic Development. This instrument is distributed to and collected from residents attending group meetings in each of the eight Wards in the District of Columbia. We will expand this effort by conducting a random mailing of the survey. The surveys will be reviewed for possible new research and integrated research and extension projects that will focus on some of the urban issues identified by our stakeholders. Additionally, stakeholders' input will be provided by way of informal contacts with individuals through personal interviews, e-mail, and by telephone. Other means of obtaining input will include attendance at seminars, conferences, and community meetings whereby stakeholders can provide comments and offer suggestions for possible research projects. The collected surveys will allow AES to solicit research projects consistent with one of the five USDA's CSREES National Goals.

Cooperative Extension Service

DELETE: (previous Advisory Board info…)

ADD: The Cooperative Extension Service has reinstated the CES Advisory Committee system, consisting of two to three representatives from each of the program unit advisory groups, through a democratic process selection. Essential priority programs selected by the CES Advisory Committee will be enhanced and/or implemented during FY 2005-2006, as follows:

4.0 PROGRAM REVIEW PROCESS

Research

Each year the Associate Director of the Agricultural Experiment Station reviews the progress of each research project to ensure the researchers are accomplishing their objectives. Modification have been made to move in the direction of implementing research and integrated activities based on the District of Columbia's Mayor's priorities. A Peer Review panel is selected from the various university departments, the community, state, and local government to review proposal before being forwarded to USDA for a Scientific Peer Review whereby the technical quality and relevance to program goals area assessed.

Extension

We are continuing our current program review process as stated in our FY 2003-2004 approved POW update.

5.0 FUNDING FOR ALL PROGRAMS

The major funding source for both AES and CES is USDA/CSREES. Our goal for FY 2005-FY 2006 is to fully match federal dollars with "state" dollars and non-federal grants. The following funding is projected:

Extension

Year	Federal	State	Local	Other
2005	1,008,981	778,976	NA	275,000
2006	1,008,981	778,976	NA	300,000

Research

Year	Federal	State	Local	Other
2005	752,772	382,250	NA	130,000
2006	780,000	382,250	NA	150,000

6.0 FULL TIME EQUIVALENT PERSONNEL

Extension

Year	Professional	Paraprofessional	Total
2005	18	4	22
2006	20	4	24

Research

Year	Professional	Paraprofessional	Total
2005	11	1	12.00
2006	11	1.5	12.50

7.0 INTEGRATED RESEARCH AND EXTENSION ACTIVITIES

The AES and CES will continue to work together on the following programs:

(1) Post-Harvest Physiology of Fruits [if rewrite is approved}
(2) Nutritional Risk and Antioxidant Status in the Elderly
(3) Adopt-A-Block
(4) Urban Gardening
(5) Integrated Pest Management

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CIVIL RIGHTS AND PROFESSIONAL DEVELOPMENT PROGRAM

CONTINUE - Equal Employment Opportunity

CONTINUE - Equal Educational and Training Opportunities
Change dates to FY 2005 – FY 2005

CONTINUE - Equal Opportunity Program Delivery

CONTINUE - Public Notification

CONTINUE - Civil Rights Training
ADD - Training Schedule for FY 2005 - 2006 is as follows:
2005 Civil Rights 501, 50, 504 and 509
2006 Sexual Harassment/Age Discrimination

CONTINUE - On-Site Civil Rights Compliance Review
ADD - An On-Site Civil Rights Compliance Review will be undertaken during FY 2006.

CONTINUE - CLIENTELE PROJECTIONS FOR FY 2005 – 2006.

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