

## Example of A GOOD Budget Justification

The Ohio State University  
Dr. Mary M. Smith, Project Director

Title: Buckeye Blitz  
Program: AFRI (A1111) Pest and Beneficial Insects in Plant Systems Program  
Grant Period: 1/01/2011 – 12/31/2013  
Total Budget: \$442,686

Dr. M.M. Smith will serve as a Principal Investigator and Project Director responsible for all aspects of the project. She will insure that research goals are met in a timely manner, with scientific integrity, and completed within budgeted amounts. Dr. Brutus Jones (OSU) will serve as a Co-Principal Investigator on this project.

### **Salaries (\$163,200)**

#### **Project Director, Dr. Smith, Summer Salary: \$10,000**

One month of summer salary for Dr. Mary Smith is requested per year of the proposed project. This salary is based is based on a 9 month salary appointment.

#### **Co-Pi, Dr. Jones, Summer Salary: \$10,000**

One month of summer salary for Dr. Brutus Jones is requested per year of the proposed project. This salary is based is based on a 9 month salary appointment.

#### **Two Graduate Students (2): \$100,000**

Mary Smith and Brutus Jones will each advise a Ph.D. student for three years, beginning in year 1 of the project. In years 1 and 2 these students will be paid .50 FTE as a teaching assistant and .50 FTE as a research assistant. In year 3, the students will be paid full time on a research assistantship. The Ph.D. student working with Brutus Jones will oversee Obj. 1 of the project and the Ph.D. student working with Mary Smith will oversee Obj. 2-4.

#### **Undergraduate Research Assistants (4): \$43,200**

Four undergraduate student researchers will be paid an hourly rate of \$9 for 12 weeks (June-August), 40 hours per week during years 1-3 to complete field work and assist with sorting, identifying and entering data associated with the Buckeye Lady Beetle Blitz program.

Annual wage increase of 3% applied to each position in subsequent years.

### **Fringe (\$27,814)**

Fringe benefits are requested for all the above requested positions. Fringe rates are determined by the Ohio State University, and increase 1% annually.

### **Travel and Related Expenses (\$28,000)**

All funds requested are for domestic travel. Majority of funds will be used to pay the costs of fuel and vehicle rental. Funds will also cover the cost of food and lodging for a total of 35 days two students will spend in Iowa conducting research (2 weeks during 2011 and 2012, 3 weeks during 2013). Funding is also requested for PD travel to the USDA Project Directors workshop in Washington, D. C. (\$1,000).

**Materials and Supplies: (\$34,790)**

Funds are requested for consumable supplies to accomplish this project.

**Field Collecting Supplies:** A total of \$4,500 is requested for field collecting supplies such as sweep nets, plastic bags, clip cages, mesh fabric, PVC pipe, flagging, Petri dishes, and rearing containers.

**Microsatellite Development and Analysis:** A total of \$26,290 is requested for microsatellite analysis. Cost breakdown: 15 populations X 50 individuals X \$6.30 genotyping/individual = \$4,725 per species X 3 species = \$14,175 for current populations. Historical collections will add an additional 7 populations per species, totaling \$6,615. The \$6.30 per individual includes DNA extraction, PCR generation, genotyping costs, and general plastic lab equipment. For microsatellite development, \$5,500 is needed for 2nd generation sequencing and fluorescently labeled primers.

**Video Equipment:** A total of \$4,000 is requested to build three surveillance camera systems to collect video data of IGP events.

**Publication Costs: (\$2,000)**

A total of \$2000 is requested to publish peer-reviewed publications based on research findings.

**Other Direct Costs: (\$89,492 )**

**Other: Tuition and Fees (\$62,472)**

Tuition and fees are requested for all three years for graduate students in Dr. Smith and Dr. Michel's lab (stipend included in wages). Year One and Two, a total of four quarters (2 quarters for each student), in Year Three, a total of eight quarters (four quarters for each student)

**Other: Purchased Services (\$16,020)**

A total of \$16,020 is requested to purchase lady beetle populations from 14 individuals who have agreed to collect 50 individuals of *H. convergens*, *C. munda* and *C. maculata*.

**Other: Extension Expenses (\$11,000)**

The Buckeye Lady Beetle Blitz Toolkits

A total of \$9,000 is requested for step-in fence posts, yellow sticky card traps, folders, copying costs, padded mailing envelopes, and pre-paid mailing costs to produce 250 BLBB toolkits per year for three years.

### Extension Bulletins

A total of \$2,000 is requested to publish four extension bulletins to accompany webinars focused on enhancing beneficial insects in the home landscape.

**Indirect Costs** **\$97,390**

Indirect costs are calculated at the rate of 28.205% of the total direct costs.