

**GENERAL ASSEMBLY OF NORTH CAROLINA**  
**SESSION 2005**

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**HOUSE DRH60665-LH-247A\* (05/09)**

Short Title: NCSU Funds/Williamsdale Farm & Ag. Programs. (Public)

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Sponsors: Representative Hill.

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Referred to:

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A BILL TO BE ENTITLED

1  
2 AN ACT TO APPROPRIATE FUNDS TO THE BOARD OF GOVERNORS OF THE  
3 UNIVERSITY OF NORTH CAROLINA FOR NORTH CAROLINA STATE  
4 UNIVERSITY TO ESTABLISH THE WILLIAMSDALE FARM ENERGY FIELD  
5 LABORATORY IN DUPLIN COUNTY AND TO FUND VARIOUS  
6 INNOVATIVE AGRICULTURAL PROGRAMS OFFERED BY THE COLLEGE  
7 OF AGRICULTURE AND LIFE SCIENCES AT NORTH CAROLINA STATE  
8 UNIVERSITY.

9 The General Assembly of North Carolina enacts:

10 **SECTION 1.** There is appropriated from the General Fund to the Board of  
11 Governors of The University of North Carolina the sum of four million one hundred  
12 sixty-five thousand six hundred dollars (\$4,165,600) for the 2006-2007 fiscal year to be  
13 allocated to North Carolina State University, North Carolina Agricultural Research  
14 Service to establish the Williamsdale Farm Energy Field Laboratory on the site of  
15 Williamsdale Farm in Duplin County. Of the funds appropriated by this act, the sum of  
16 three million five hundred ninety thousand dollars (\$3,590,000) shall be used for  
17 infrastructure and equipment for the field laboratory, and the sum of five hundred  
18 seventy-five thousand six hundred dollars (\$575,600) shall be used for recurring  
19 operational expenses of the field laboratory.

20 **SECTION 2.** There is appropriated from the General Fund to the Board of  
21 Governors of The University of North Carolina the sum of five million dollars  
22 (\$5,000,000) for the 2006-2007 fiscal year to be allocated to the College of Agriculture  
23 and Life Sciences at North Carolina State University to fund various innovative  
24 agricultural programs that encourage economic growth. The funds shall be allocated as  
25 follows:

- 26 (1) \$1,000,000 to develop and promote local agricultural systems and  
27 enterprises. Economic development activity will involve expansion of

1 small scale finishing and marketing of cattle; local production and  
2 marketing of plant and animal food products, including organic  
3 production; enhancing urban landscapes and environments; grass  
4 based meat goat and dairy systems; training and assistance in business  
5 development and management skills; and agricultural workforce  
6 preparedness in the areas of worker protection, efficient workplace  
7 management and worker benefits, especially for nontraditional  
8 workers.

9 (2) \$1,250,000 to support competitive cropping opportunities. These  
10 opportunities may include research and development of strategies and  
11 systems that focus on the following: the development of methods that  
12 make it possible to convert to narrow-row production of cotton and  
13 that optimize nitrogen fertilizer to increase cotton production; the  
14 development of intensive disease management strategies, especially in  
15 lettuce and berry production that will enable large-scale production of  
16 fruits and vegetables for the Dole Initiative and other enterprises; the  
17 development of mechanical harvesting and stripping aids to increase  
18 production of burley tobacco; supporting a breeding position in  
19 turfgrasses research; and support of the AgBiotech initiative that  
20 applies functional genomics to systems that have potential for rapid,  
21 on-the-ground impacts.

22 (3) \$1,000,000 to be used for specialty enterprise opportunities. These  
23 developments will include expansion of the current Specialty Crops  
24 Program; development of technology and management systems for  
25 profitable production of grapes and grape products; improve the  
26 sustainability of plant production by developing transgenic plants that  
27 tolerate environmental stresses (temperature extremes, drought,  
28 disease); discovery of development of plant derived materials that  
29 benefit health, nutrition, and pest management; and enhance the health,  
30 productivity and survivability of honeybees, which are critical for  
31 sustainable agricultural systems.

32 (4) \$750,000 to be used for animal systems opportunities. Economic  
33 development will accrue to research and technical assistance in  
34 production systems and genetic improvement of aquaculture species,  
35 with an emphasis on hybrid striped bass and flounder; and to  
36 significantly increasing the longevity, health, and production levels of  
37 swine.

38 (5) \$1,000,000 to be used for value-added bioprocessing. These  
39 opportunities will involve development of processes to enhance  
40 quality, safety and utility of foods and food products; discovering  
41 methods to convert wastes and biomass to energy; and to create  
42 profitable, viable markets for byproducts of animal systems and other  
43 waste materials.

44 **SECTION 3.** This act becomes effective July 1, 2006.