MEMORANDUM OF UNDERSTANDING

BETWEEN

JILIN AGRICULTURAL UNIVERSITY, (Changchun, Jilin, China)

AND

COLLEGE OF FOOD, AGRICULTURAL, AND
ENVIRONMENTAL SCIENCES, THE OHIO STATE UNIVERSITY
(Columbus, Ohio, USA)

Consistent with the cordial and cooperative bilateral relationship between USA and China and in order to foster additional academic and scholarly collaboration between The Ohio State University on behalf of its College of Food, Agricultural, and Environmental Sciences, (Columbus, Ohio, USA) and Jilin Agricultural University (Changchun, Jilin, China) hereinafter referred to as the ‘Parties’ or singularly as ‘Party’, these two post-secondary institutions have agreed to the following framework based upon principles of mutual equality and the reciprocity of benefits:

I. The Parties will make suitable arrangements to facilitate cooperation regarding international study abroad opportunities, exchanges and internships focusing on undergraduate and graduate students, post-doctoral fellows, faculty members, researchers, staff and administrators. The primary areas of focus for this framework relate to production and protection of agricultural crops and animals with emphasis on maize and soybean breeding, animal nutrition, and their production and protection management.

II. The Parties will explore opportunities to cooperate in various academic, research and scholarly endeavors. It is understood that the details of joint activities, conditions for utilization of the results achieved, and arrangements for specific visits, exchanges, and all other forms of cooperation will be negotiated separately for each specific case. Such scholarly collaboration will be coordinated through the Office of International Programs in Agriculture at The Ohio State University and through the Office of International Affairs at Jilin Agricultural University.

III. The Parties will exchange information regarding relevant scholarly and community-based initiatives being coordinated or undertaken by the respective campus communities.

IV. This Memorandum of Understanding reflects the commitment of the Parties to collaborate as expressed, and is not intended to be of a legally binding nature. As a result of this framework, neither Party will incur any financial obligations resulting from the actions of the other Party without a prior agreement in writing to accept specific financial obligations. Any additional agreement pertaining to financial matters will be negotiated separately and will be based upon the availability of funds for each Party.
V. It is recognized and understood that this Agreement is subject to all applicable sino-US export control laws and regulations controlling the transfer of technical information or items out of the US. The transfer of certain technical information or items may require a license from the US Government. All parties must comply with all applicable export control laws and regulations and no party may export or allow the export or re-export of any information or item when to do so would constitute a violation of those laws or regulations.

VI. This Memorandum of Understanding may be modified (and further elaborated upon by appended material) by mutual written consent and will be in effect from the date of signature for a period of five (5) years. The Memorandum of Understanding may be terminated by either Party within six months of written notice.

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**The Ohio State University**  
Dr. Bruce A. McPherson  
Vice President, Agricultural Administration  
Dean, College of Food, Agricultural, and Environmental Sciences  
The Ohio State University  
Date: 8/4/2014

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**Jilin Agricultural University**  
Prof. Qin Guixin  
President  
Jilin Agricultural University  
Date: 9/6/14

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Geoffrey S. Chratings  
Senior Vice President for Business and Finance and CFO  
The Ohio State University
11 May 2013

To: Dr. Kelechi Kalu, Associate Provost for Global Strategies and International Affairs

From: Department of Entomology; Dr. Daniel Herms, Professor & Chair, Dr. Mike Klein, Adjunct Professor.

Re: Concept Statement for the Memorandum of Understanding between Jilin Agricultural University, Changchun, Jilin Provence, China, and College of Food, Agricultural, and Environmental Sciences

Date: April 23, 2013

Background: The MOU is to establish collaboration between Jilin Agricultural University, Changchun, Jilin Provence, China, and College of Food, Agricultural, and Environmental Sciences at The Ohio State University, Columbus, Ohio, USA. In both China and the United States, as well as in the rest of the world, there will be a need for additional food to feed existing and expanding populations. Since arable and productive land is limited, and being threatened by cities, housing and recreational facilities for populations growing both in size and affluence, increased food production will require continuing breakthroughs in crop breeding and improved crop protection. The main crops in both Jilin and Ohio are corn and soybeans and much is to be gained by working together on challenges to agricultural production. China is the origin of the soybean and a key source of germplasm for that crop. The Emerald Ash Borer, soybean aphid, and numerous other insects, weeds and plant pathogens had their origin in China. China has the Asian corn borer, which is not currently in the U.S. but could be a threat if introduced. The European corn borer also reduces the Jilin corn crop each year by about 10%. In contrast, about 90% the corn crop in the US is resistant to the European corn borer because of the transgenic insertion of the toxic Bacillus thuringiensis protein crystal. The Jilin Agricultural University is well equipped for the transgenic and traditional improvements of several plant species, and limited transgenic field plots have been established here. The experience of OSU plant breeders would be important in supporting Chinese scientists as they move forward with transgenic work.
History of the relationship. Mike Klein, Entomology Department, was sponsored by Jilin to visit NE China in July of 2012 to test Japanese beetle lures on destructive species of scarab beetles which may someday be found in the U.S. He found that Japanese beetle attractants will trap other Popillia species and scarab pests from China. While there, he met with the Dean on the College of Agronomy who is very interested in cooperative programs with OSU. Dr. Klein will return again in early May to continue testing lures tests on beetle species that are active earlier in the year. There is one joint publication from the entomology work, one publication in review, and two more ready to submit.

Proposed activities. This general memorandum of agreement is intended to formalize the relationship that already exists between the parties. The proposed activities include the scientific cooperation and exchange and graduate study.

No financial resources beyond that required to administer the program at each location are committed to the proposed MOU.

_Daniel A. Herms_

Dr. Daniel Herms, Professor and Chair  
Department of Entomology  
The Ohio State University
Resource Commitments Approval Memo

Date: June 19, 2013
From: Melissa Krygier
To: Office of International Affairs
Subject: MOU between Jilin Agricultural University and CFAES

I have reviewed the attached document, also referenced above, for any potential financial and/or personnel obligations. The referenced document has my approval, and I authorize the Office of International Affairs to approve it in the Ohio State Contract Management Portal system.

Signature: [Signature]

(James A. Geither for Melissa Krygier)

Note: Senior fiscal officer approval is required even if there are no immediate financial or personnel obligations in order for the document to be approved in workflow in the Ohio State Contract Management Portal.