IX.A.

# CONNECTICUT STATE BOARD OF EDUCATION Hartford

| TO BE PROPOSED:<br>December 4, 2019 |                                                                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| •                                   | d of Education, pursuant to Section 10-65a (b) of the eceives the Report on Agricultural Science and Technology after Graduation. |
| Approved by a vote of               | , this fourth day of December, Two Thousand Nineteen.                                                                             |
|                                     | Signed:                                                                                                                           |
|                                     | Dr. Miguel A. Cardona, Secretary                                                                                                  |
|                                     | State Board of Education                                                                                                          |

# CONNECTICUT STATE BOARD OF EDUCATION Hartford

**TO:** State Board of Education

**FROM:** Dr. Miguel A. Cardona, Commissioner of Education

**DATE:** December 4, 2019

**SUBJECT:** Report on Agricultural Science and Technology Education Graduates Five

Years after Graduation

### **Executive Summary**

### Introduction

Pursuant to Section 10-65a (b) of the Connecticut General Statutes, each local and regional board of education which operates an agricultural science and technology education (ASTE) center (including aquaculture and marine-related employment programs), shall conduct an annual study to ascertain the educational and vocational activities in which graduates of such center are engaged five years after graduation and shall submit the study to the Connecticut State Board of Education (Board).

### History/Background

In 1955, the State of Connecticut has offered ninth through twelfth grade students a unique opportunity to have concentrated curricula in agriculture. The ASTE Program started with a single pilot school and has grown to 20 programs across Connecticut. Connecticut's model of regionalized ASTE programs allow students from across the state to have access to rigorous, high quality agriculture education.

ASTE programs include students gaining knowledge and skills through:

- participation in challenging interdisciplinary agricultural curricula supported by state-of-the-art facilities and equipment;
- engagement in instruction that is rigorous, performance-based, and aligned to Board approved standards;
- acquirement of leadership, career, and social skills through participation in the National FFA Organization (formerly known as the Future Farmers of America); and
- completion of a Supervised Agriculture Experience (SAE) project.

### **Findings**

There were significant findings garnered from the 2013 Agricultural Science and Technology Education Graduates Five Years after Graduation survey responses including:

- eighty-one percent have postsecondary degrees and/or certificates;
- fifty-six percent have a degree from a four-year college or university;

- ninety percent of respondents enrolled in a four-year college degree program earned a degree;
- nine percent own a business, of which sixty percent operate an agriculture business;
- ninety-four percent are employed; and
- twenty-five percent are employed full-time in an agriculture-related field.

### **Conclusions**

There were significant conclusions synthesized from the 2013 Agricultural Science and Technology Education Graduates Five Years after Graduation survey responses including:

- graduates are prepared for and are attending rigorous postsecondary education and training opportunities;
- graduates are provided the skills and knowledge necessary to be entrepreneurs;
- graduates are prepared for career success in the agriculture, food and natural resources cluster area; and
- graduates are finding and retaining employment.

### Recommendation

I recommend that the Board receive the report on the status of the class of 2013 agricultural science and technology education graduates and continue to support the state's investment of resources to ASTE Centers.

| Prepared by: |                                                        |
|--------------|--------------------------------------------------------|
|              | Harold Mackin, Education Consultant<br>Academic Office |
| Approved by: |                                                        |
|              | Melissa K. Wlodarczyk Hickey, Ed.D.                    |
|              | Reading/Literacy Director                              |
|              | Academic Office                                        |

# **Connecticut State Department of Education**

# A Summary Report on the Five-Year Follow-up Study of Agricultural Science and Technology Education Graduates

Class of 2013

Submitted Pursuant to Section IO-65a (b) of the Connecticut General Statutes

### Overview

Sixty-four years ago the State of Connecticut revolutionized secondary agriculture education when creating a pilot program for regional agriculture centers. Connecticut's unique approach to providing access for all students (no other state has a system that allows students from urban, suburban, and rural communities to study agriculture) enables learners to explore, build knowledge and skills in one or more of the following agriculture pathways: Animal Systems; Aquaculture Systems; Marine and Technology Systems; Food Products and Processing Systems; Natural Resources and Environmental Systems; Plant Systems; Power, Structural and Technical Systems; and Biotechnology Science. This systems approach encompasses agricultural production and services, business management, career and leadership skills, scientific inquiry, use and conservation of land and water resources, career and environmental safety and security, global economics and the sociological and political aspects of the agricultural industry.

Agricultural Science and Technology Education (ASTE) Centers use a three-prong approach in preparing students. The curriculum is infused with industry recognized skill and knowledge, leadership, and career focus instruction. Leadership is developed through the activities of the National FFA Organization; and career skills are acquired though a student's Supervised Agriculture Experience (SAE).

Section 10-65a (b) of the Connecticut General Statutes states, "Each local and regional board of education which operates an agricultural science and technology education center shall conduct an annual study to ascertain the educational and vocational activities in which graduates of such center are engaged five years after graduation and shall submit the study to the State Board of Education." The information from the graduate survey is to be used to validate the importance of, and the need for, agriculture programs and to ensure that students are prepared for the current and emerging job market in agriculture and related industries. The Five-Year Graduate Follow-Up Summary Report is a summary of the survey responses reported to each of the respective regional ASTE centers. The survey was also designed to gather information from ASTE program graduates in the following areas:

- the adequacy of preparation in all phases of the ASTE program;
- the correlation between skills obtained in ASTE programs and those needed to be college and career ready; and
- the identification of education and work experiences since graduation.

### **Procedure**

Each of the regional ASTE schools conducted a survey of its 2013 graduates. Staff at each ASTE center was instructed to mail the survey during December 2018 and return results by April 1, 2019, to the Connecticut State Department of Education (CSDE). To obtain the information, the agriculture staff was instructed to use the "Suggestions for Conducting a Follow-up Study." Having the results collected and compiled at the regional level gave staff access to primary information for their immediate use. Data from the survey was submitted by each center, compiled, analyzed and is presented on the following pages. A copy of the *Agricultural Science and Technology Education Five-Year Graduate Follow-Up Summary Report* can be found in Appendix I.

### **Findings**

Significant findings from the Class of 2013 survey:

- eighty-one percent have postsecondary degrees and/or certificates;
- fifty-six percent have a degree from a four-year college or university;
- ninety percent of respondents enrolled in a four-year college degree program earned a degree;
- nine percent own a business, of which sixty percent operate an agriculture business;
- ninety-four percent are employed; and
- twenty-five percent are employed full-time in an agriculture-related field.

### **Conclusions**

Significant findings from the Class of 2013 survey:

- graduates are prepared for and are attending rigorous postsecondary education and training opportunities;
- graduates are provided the skills and knowledge necessary to be entrepreneurs;
- graduates are prepared for career success in the agriculture, food and natural resources cluster area; and
- graduates are finding and retaining employment.

These conclusions validate Connecticut's investment of resources to ASTE. The CSDE will ensure that all ASTE centers continue to implement rigorous standards-based curricula to prepare students to meet the changing needs of college, career, technology, and a global economy.

### Results

### **Reported Graduates**

Nineteen regional ASTE centers reported a total of 677 students graduating in 2013. Of that total, 436 graduates responded to the survey for a response rate of 65%. To increase the response rate, centers made additional contacts through mailings, Facebook contacts, E-mails, and telephone calls. Response rates from each of the 19 centers are shown in Table 1.

Table 1

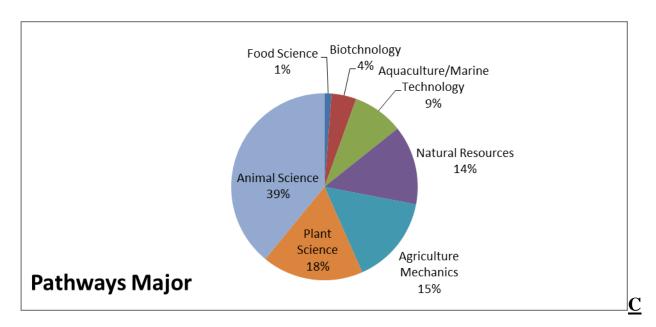
### **Reported Graduates**

| School<br>Town                                    | Response Rate<br>2012  |                        | School<br>Town   | Response Rate<br>2012                     |                        | ite                    |                  |
|---------------------------------------------------|------------------------|------------------------|------------------|-------------------------------------------|------------------------|------------------------|------------------|
|                                                   | Number of<br>Graduates | Number of<br>Responses | % Return<br>Rate |                                           | Number of<br>Graduates | Number of<br>Responses | % Return<br>Rate |
| Bloomfield High<br>School<br>Bloomfield           | 29                     | 4                      | 14               | Wamogo High<br>School<br>Litchfield       | 23                     | 20                     | 87               |
| Bridgeport<br>Aquaculture<br>School<br>Bridgeport | 100                    | 24                     | 24               | Northwestern<br>High School<br>Winsted    | 16                     | 14                     | 88               |
| Glastonbury High<br>School<br>Glastonbury         | 16                     | 5                      | 3125             | Nonnewaug High<br>School<br>Woodbury      | 62                     | 52                     | 84               |
| Killingly High<br>School<br>Dayville              | 18                     | 9                      | 50               | E. O. Smith High<br>School<br>Storrs      | 25                     | 19                     | 76               |
| Ledyard High<br>School<br>Ledyard                 | 44                     | 44                     | 100              | Rockville High<br>School<br>Vernon        | 13                     | 4                      | 31               |
| Lyman Hall High<br>School<br>Wallingford          | 47                     | 40                     | 85               | Southington High<br>School<br>Southington | 25                     | 20                     | 80               |
| Lyman Memorial<br>High School<br>Lebanon          | 25                     | 22                     | 88               | Suffield High<br>School<br>Suffield       | 34                     | 34                     | 100              |
| Middletown High<br>School<br>Middletown           | 31                     | 30                     | 89               | Trumbull High<br>School<br>Trumbull       | 43                     | 28                     | 65               |
| Sound School<br>New Haven                         | 72                     | 24                     | 33               | Westhill High<br>School<br>Stamford       | 20                     | 9                      | 45               |
| Housatonic Valley<br>High School<br>Falls Village | 34                     | 34                     | 100              | Total                                     | 667                    | 436                    | 65%              |

### **Graduates in the Five Pathways**

The percentage of majors reported by graduates are found in Chart 1. These totals may represent duplicate counts as graduates may have taken more than one major course of study.

Chart 1



### **Sample of Employment Data**

Graduates provided their current employer and job title. Table 2 provides a sampling of responses. For a complete listing of responses, refer to Appendix II.

Table 2 Sample of Employment Data

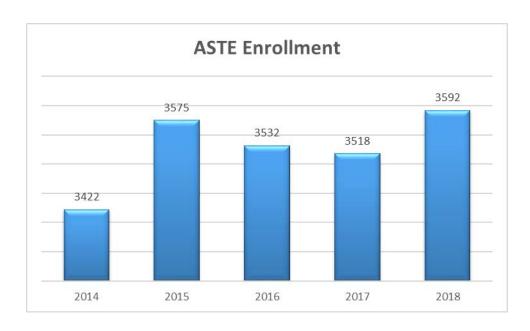
| Company                                   | Job Title                   | Agricultural<br>Related<br>Yes/No |
|-------------------------------------------|-----------------------------|-----------------------------------|
| MacDonald Veterinary Hospital             | Veterinary Assistant        | Yes                               |
| Composite Resources                       | Second Shift Lead           | Yes                               |
| Yacht StarShip                            | Deckhand                    | Yes                               |
| Complete Environmental Testing            | Lab Technician/Data Analyst | Yes                               |
| UCONN Hospital                            | Patient Registration        | No                                |
| Mount Desert Island Biological Laboratory | Research Assistant          | Yes                               |
| The Maritime Aquarium                     | Visitor Services            | Yes                               |
| Shelton Public Schools                    | TESOL Intern                | No                                |
| Glastonbury Public Schools                | ASTE Tutor                  | Yes                               |
| All Friends Animal Hospital               | Veterinary Technician       | Yes                               |
| Epic Systems Corporation                  | Project Manager             | No                                |
| PetSmart                                  | Dog Trainer                 | Yes                               |
| Children's Healthcare of Atlanta          | Registered Nurse            | No                                |
| Griffin Hospital                          | Emergency Room Technician   | No                                |
| JR Horsemanship                           | Owner                       | Yes                               |
| Arborino Corporation                      | Operating Engineer          | Yes                               |

| Prides Corner Farms              | Sales                     | Yes |
|----------------------------------|---------------------------|-----|
| Premier Education Group L.P.     | Marketing Specialist      | No  |
| Mapleleaf Farms                  | Farm Hand/Mechanic        | Yes |
| Cates Farm                       | Farm Worker/Show Crew     | Yes |
| Nature's Classroom               | Outdoor Education Teacher | Yes |
| Preston farms                    | Assistant herdsman        | Yes |
| Colchester Veterinary Hospital   | Veterinary Technician     | Yes |
| Dairy Farm                       | Farm Hand                 | Yes |
| Pfizer                           | Scientist                 | Yes |
| Perry home Improvements          | Owner                     | Yes |
| Florist                          | Floral Designer           | Yes |
| CWPM LLC                         | Swing Diver/Laborer       | Yes |
| Hazen                            | Assistant Engineer        | Yes |
| Scribe America                   | Medical Scribe            | No  |
| Flagler Construction Equipment   | Field Service Technician  | Yes |
| Electric Boat                    | Assistant                 | Yes |
| Horse Farm                       | Trainer                   | Yes |
| Saltwater Inc.                   | Observer                  | Yes |
| Longwood Gardens                 | Grower                    | Yes |
| University of Texas, San Antonio | Teacher Assistant         | Yes |
| Piper Olsen Veterinary           | Veterinary Assistant      | Yes |
| Petco Animal Supplies            | Companion Animal Leader   | Yes |

### **Enrollment**

Over the past five years, the percentage of students enrolling in ASTE programs has increased. There are still over 400 students that cannot enroll in ASTE programs due to the lack of space. Chart 2 shows the numbers of students enrolled in ASTE programs for the past five years

Chart 2



**Appendix I:** Agricultural Science and Technology Education Five-Year Graduate Follow-Up Summary Report

FOLLOW-UP REPORT ED 503, REVISED 03/2018

STATUTORY REF: C.G.S. 10-64 through 10-65b;

10-65; REG. 10-65-1 TO 10-65-8

Rev. 03/2018

### CONNECTICUT STATE DEPARTMENT OF EDUCATION

Agricultural Science and Technology Education Five-year Graduate Follow-Up Summary Report

### **SECTION 1**

| Town/Agency:                                                                                                   | Town Code:                      | Address:        |                         |
|----------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------|-------------------------|
| Double Click<br>Name                                                                                           |                                 |                 |                         |
| Name of Person Completing Form:                                                                                | Title:                          | Date:           | Telephone:              |
|                                                                                                                | E-mail:                         |                 |                         |
| Agricultural Science and Technology Education Con                                                              | tor Addross                     |                 | Telephone:              |
| Agricultural Science and Technology Education Cent                                                             | ter Address:                    |                 | relephone.              |
|                                                                                                                |                                 |                 |                         |
| Directions:                                                                                                    |                                 |                 |                         |
| Each Agricultural Science and Technology Education                                                             | (ASTE) operating center is to:  |                 |                         |
| <ul> <li>Survey the graduates from the class of 2013</li> </ul>                                                | s                               |                 |                         |
| <ul> <li>Record the tabulated data from the Agricult<br/>provided below and return by April 1, 2019</li> </ul> |                                 | ve-Year Follow- | Up Survey in the spaces |
| , , ,                                                                                                          |                                 |                 |                         |
| Mail or e-mail to: Harold Mackin, Education Consu                                                              | Itant, Agricultural Science and | Technology Edi  | ication, Connecticut    |
| State Department of Education, Academic Office, P.O. Box 2219, Hartford, CT 06145-2219. E-mail: ha             | arold.mackin@ct.gov             |                 |                         |
|                                                                                                                |                                 | 1               | 2012                    |
| Graduating year for which survey was conducted:  Number of graduates in 2013:                                  |                                 |                 | 2013                    |
| Number of graduates surveyed:                                                                                  |                                 |                 |                         |
| Total number of graduates responding:                                                                          |                                 |                 |                         |
|                                                                                                                | Program Information             |                 |                         |
| Number of years of agricultural science and techno                                                             |                                 |                 | Number of Graduates     |
| graduates:                                                                                                     |                                 |                 |                         |
|                                                                                                                | 1 year                          |                 |                         |
|                                                                                                                | 2 years                         |                 |                         |
|                                                                                                                | 3 years                         |                 |                         |
|                                                                                                                | 4 years                         |                 |                         |
| Number of graduates from each area of study:                                                                   |                                 |                 | Number of Graduates     |
|                                                                                                                | Agribusiness Systems            |                 |                         |
|                                                                                                                | Animal Systems                  |                 |                         |
|                                                                                                                | Aquaculture Systems             |                 |                         |
| Biotechnology Systems                                                                                          |                                 |                 |                         |
|                                                                                                                | Environmental Service System    | ns              |                         |
|                                                                                                                | Food Products & Processing S    | Systems         |                         |
|                                                                                                                | Marine Trades                   |                 |                         |
|                                                                                                                | Natural Resources Systems       |                 |                         |
|                                                                                                                | Plant Systems                   |                 |                         |
|                                                                                                                | Power, Structural & Technica    | Systems         |                         |
|                                                                                                                | D 4 . C.                        |                 |                         |

### Agricultural Science and Technology Five-Year Graduate Follow-up Summary Report

| Postsecondary Education, Training, Work Experience and Employment History                                                                                             | Totals |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Agriculture or agricultural related education information. Number of graduates who:                                                                                   |        |
| attended postsecondary agricultural related training, (any formal training that is not part of a Baccalaureate or higher degree program)*;                            |        |
| completed postsecondary agricultural related training, (any formal training that is not part of a Baccalaureate or higher degree program)*;                           |        |
| are currently enrolled in postsecondary agricultural related training, (any formal training that is not part of a Baccalaureate or higher degree program)*;           |        |
| attended college and majored in an agriculture program or an agricultural related field that leads to a Baccalaureate or higher degree;                               |        |
| completed an agriculture college degree program or a program in an agricultural related field that leads to a Baccalaureate or higher degree;                         |        |
| are currently enrolled in college and are majoring in an agriculture program or in an agricultural related field that leads to a Baccalaureate or higher degree;      |        |
| Non-agriculture education information. Number of graduates who:                                                                                                       |        |
| attended postsecondary nonagricultural related training, (any formal training that is not part of a Baccalaureate or higher degree program)*;                         |        |
| completed postsecondary nonagricultural related training, (any formal training that is not part of a Baccalaureate or higher degree program)*;                        |        |
| attended college and majored in a nonagricultural program or a nonagricultural-related field that leads to a Baccalaureate or higher degree;                          |        |
| completed a nonagricultural college degree program or a program in a nonagricultural related field                                                                    |        |
| are currently enrolled in college and are majoring in a nonagricultural program or in a nonagricultural related field that leads to a Baccalaureate or higher degree; |        |
| Agriculture or agricultural related career information. Number of graduates who:                                                                                      |        |
| own an agriculture or agriculturally related business;                                                                                                                |        |
| own an agriculture or agriculturally related business and have employees besides themselves;                                                                          |        |
| Number of employees in the business not counting the owner;                                                                                                           |        |
| are considered employed full-time in an agricultural related field*;                                                                                                  |        |
| are currently seeking employment in agriculture or in an agricultural-related field;                                                                                  |        |
| are currently unemployed and seeking gainful employment*;                                                                                                             |        |
| Non-agriculture career information. Number of graduates who:                                                                                                          |        |
| own a nonagricultural business;                                                                                                                                       |        |
| own a nonagricultural business and have employees besides themselves;                                                                                                 |        |
| Number of employees in the business not counting the owner;                                                                                                           |        |
| are considered employed full-time in a nonagricultural related field*;                                                                                                |        |
| entered the armed services; and                                                                                                                                       |        |
| are currently unemployed and seeking gainful employment*.                                                                                                             |        |

<sup>\*</sup>Count a graduate only once for this line.

### Agricultural Science/Technology Five-Year Graduate Follow-up Summary Report

For each graduate currently employed, indicate in the chart below their employer and their current position (if known) and whether or not their employment is agricultural-related. If necessary, add additional pages.

Example: Pfizer, Inc., Groton – Laboratory Technician-Yes

| Current Employer | Position Within Company | Agricultural<br>Related,<br>yes/no |
|------------------|-------------------------|------------------------------------|
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |

### Agricultural Science/Technology Five-Year Graduate Follow-up Summary Report (continued)\*

| Current Employer | Position Within Company | Agricultural<br>Related,<br>yes/no |
|------------------|-------------------------|------------------------------------|
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |

<sup>\*</sup>If more space is need, continue with Appendix A

### Agricultural Science and Technology Five-Year Graduate Follow-up Summary Report

### **SECTION 2**

### Other Statutory and Regulatory Certification for the Program

For specific legislative and regulatory language, please refer to the Connecticut General Statutes Section 10-64 through 10-65b and Regulation Sections 10-65-1 to 10-65-8, inclusive.

The Superintendent of Schools for the operating district is to verify compliance with the following legislative requirements by checking the "YES" box for each item. A narrative MUST be attached for each "NO" item explaining specific measures the district will use to bring them into compliance with current legislation and regulations.

| YES | NO                                                                                                     | Legislative and Regulatory Requirements for the 2016-17 school term.                                    |  |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--|--|--|--|--|
|     |                                                                                                        | The facility and equipment funded by the State of Connecticut for the Regional Agricultural Science and |  |  |  |  |  |
|     |                                                                                                        | Technology Center is used exclusively by the agriculture program.                                       |  |  |  |  |  |
|     |                                                                                                        | A certified staff member is designated as administrator for the program.                                |  |  |  |  |  |
|     |                                                                                                        | All students in the program have a planned, supervised agricultural experience program which relates    |  |  |  |  |  |
|     |                                                                                                        | to the student's goals and abilities and is in addition to regularly scheduled classes.                 |  |  |  |  |  |
|     |                                                                                                        | The student leadership organization, FFA, is an integral part of the program.                           |  |  |  |  |  |
|     |                                                                                                        | An inventory of equipment purchased with state funds is maintained and is available upon request.       |  |  |  |  |  |
|     |                                                                                                        | Support staff such as school nurse, clerical, custodial and teacher substitutes are provided to ensure  |  |  |  |  |  |
|     |                                                                                                        | purposes of the program and standards of health and safety are maintained.                              |  |  |  |  |  |
|     | A racial and ethnic diversity plan, pursuant to Section 10-65a is accurate, on file and available upon |                                                                                                         |  |  |  |  |  |
|     |                                                                                                        | request.                                                                                                |  |  |  |  |  |
|     | A local advisory committee has met at least twice over the past year.                                  |                                                                                                         |  |  |  |  |  |
|     | A copy of the program of studies, classroom schedules and other supportive materials which will        |                                                                                                         |  |  |  |  |  |
|     |                                                                                                        | indicate no less than 320 minutes per week being provided for classroom instruction for Grades 10-12,   |  |  |  |  |  |
|     |                                                                                                        | time blocked to allow for laboratory, shop and fieldwork, and student/teacher ratios for the overall    |  |  |  |  |  |
|     |                                                                                                        | program and laboratory situations are available upon request.                                           |  |  |  |  |  |
|     |                                                                                                        | An admissions application for the program is available upon request.                                    |  |  |  |  |  |
|     |                                                                                                        | Certified agriculture and/or aquaculture staff are scheduled for proper coverage of the 12 month        |  |  |  |  |  |
|     |                                                                                                        | program.                                                                                                |  |  |  |  |  |

| Data on t  | ne recruitment process conducted for the 2016-17 school term, including:     |                          |
|------------|------------------------------------------------------------------------------|--------------------------|
| 0          | number of students who applied ;                                             |                          |
| 0          | number of students accepted ;                                                |                          |
| 0          | number of students that enrolled in the program ;                            |                          |
| 0          | number of students not accepted because of lack of space availability in pr  | ogram ; and              |
| 0          | number of students rejected for other than space availability .              |                          |
| I hereby o | ertify that the information covered by Section 2, Form ED 503, is proper and | valid in connection with |
| the Regio  | nal Agricultural Science and Technology Program.                             |                          |
|            |                                                                              |                          |
|            | (Signature of ASTE Director\Department Head)                                 | (Date)                   |
|            |                                                                              | (5.1.)                   |
|            | (Print Name ASTE Director\Department Head)                                   | (Date)                   |
|            | (Signature Superintendent of Schools)                                        | (Date)                   |
|            | (Print Name Superintendent of Schools)                                       | (Date)                   |

## Appendix A

| Current Employer | Position Within Company | Agricultural<br>Related,<br>yes/no |
|------------------|-------------------------|------------------------------------|
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |
|                  |                         |                                    |

Appendix II: 2013 ASTE Graduates' Employers and Job Titles

| Current Employer                 | Position within Company             | Agricultural<br>Related, yes/no |
|----------------------------------|-------------------------------------|---------------------------------|
| Cumberland Farms                 | Sales                               | No                              |
| Rite Aid/Walgreens               | Cashier                             | No                              |
| Private Family                   | Nanny                               | No                              |
| Concentric Health Experience     | Copywriter                          | No                              |
| UCONN                            | Dinning Service Assistant           | No                              |
| Macy's                           | Beauty Advisor                      | No                              |
| Stamford Hospital                | Registered Nurse                    | No                              |
| Cadillac of Greenwich            | Auto Technician                     | No                              |
| Brain Balance Achievement Center | Mental Health Coach                 | No                              |
| Lord Chamberlin                  | Licensed Practical Nurse            | No                              |
| Bath and Body Works              | Sales Associate                     | No                              |
| Steward Healthcare               | Medical Laboratory Assistant        | No                              |
| Visiting Angels and Brightstar   | Certified Nurse's Aide              | No                              |
| Deluxe Entertainment             | Client Services                     | No                              |
| Cinemark                         | Assistant Manager                   | No                              |
| Dr. Energy Saver                 | Appointment Center                  | No                              |
| Mohegan Sun Casino               | Graphic Designer                    | No                              |
| Yale University                  | Clinical Research Assistant         | No                              |
| Putnam Medical Offices           | Medical Assistant                   | No                              |
| Credico-Robin & Company          | CEO/Senior Executive                | No                              |
| United States Marines            | Private First Class                 | No                              |
| Guilford Texaco                  | Service Attendant                   | No                              |
| CT Wedding Group                 | Lead Server                         | No                              |
| Los Alamitos Medical Center      | Registered Nurse                    | No                              |
| Raymond's Auto Repair            | Mechanic                            | No                              |
| Windham Hospital                 | Clinical Exercise Psychologist      | No                              |
| Vernon Pediatrics                | Medical Assistant                   | No                              |
| Wabtech                          | Mechanical Engineer                 | No                              |
| Courtyard Norwich                | Catering Sales Manager              | No                              |
| Area Wide Protection             | Flagger                             | No                              |
| The Kids Club                    | Daycare Teacher                     | No                              |
| The Farmers Cow Café             | Food Service                        | Yes                             |
| Kforce                           | Account Manager                     | No                              |
| The Richards Group               | Account Manager                     | No                              |
| Little Learners                  | Director                            | No                              |
| Great Destinations               | Office Manager                      | No                              |
| Navy Federal Credit Union        | Member Service Representative       | No                              |
| Fast Signs                       | Production Coordinator              | No                              |
| Citizens Bank                    | Banker                              | No                              |
| Burger King                      | Quick Service Attendant             | No                              |
| Physical Therapy                 | Physical Therapist                  | No                              |
| Foxwoods                         | Waiting Tables                      | No                              |
| Dunkin Donuts                    | Assistant                           | No                              |
| Conerstone Energy Services       | Right-of-way Acquisition Specialist | No                              |
| Dunkin Donuts                    | Shift Leader                        | No                              |

| Current Employer                       | Position within Company         | Agricultural<br>Related, yes/no |
|----------------------------------------|---------------------------------|---------------------------------|
| Family Tree Learning Center            | Teacher                         | No                              |
| Town of Old Orchard Beach              | Reserve Police Officer          | No                              |
| Intervarsity Christian Fellowships     | Campus Staff                    | No                              |
| Northeastern Communications and        | Journeyman Electrician          | Yes                             |
| Electrical                             |                                 |                                 |
| EnPro Industries                       | Environmental Health and Safety | Yes                             |
|                                        | Specialist                      |                                 |
| Pacetti Road Pet Spa                   | Animal Care Taker               | Yes                             |
| Rick Riggs                             | Assistant Manager               | No                              |
| Connecticut Children's Medical center  | Medical Assistant               | No                              |
| The Learning Experience                | Teacher                         | No                              |
| Courtyard at Marriott                  | Bistro Attendant                | No                              |
| River Restaurant                       | Server                          | No                              |
| Twist of Fate Spinnery                 | Owner                           | Yes                             |
| John Deere                             | Mechanic                        | Yes                             |
| Shoreline Farrier                      | Owner                           | Yes                             |
| Wal-Mart                               | Sales Associate                 | No                              |
| Pieper Olsen                           | Veterinary Assistant            | Yes                             |
| Coldwell Banker Calabro and Associates | Secretary                       | No                              |
| Safe Home Security                     | Customer Retention Specialist   | No                              |
| HKCubs                                 | Teacher                         | No                              |
| U.S. Marine Corps                      | Lt. Corporal                    | No                              |
| Fuss and O'Neil                        | Environmental Technician        | Yes                             |
| Children's Center of Hamden            | Child Care                      | No                              |
| Northern Power Systems                 | Mechanical Engineer             | Yes                             |
| FedEX Ground                           | Package Handler                 | No                              |
| Milford Library                        | Library Assistant               | No                              |
| Travel Centers of America              | Fuel Attendant                  | No                              |
| Webstaurant                            | Assistant Photographer          | No                              |
| Best Buy                               | Customer Service                | No                              |
| Pine Orchard Yacht and Country Club    | Groundskeeper                   | Yes                             |
| Fork Hospitality                       | Front of House Staff            | No                              |
| Bausch and Strobel                     | US Events and Marketing Manager | No                              |
| Kelly Services                         | Substitute Teacher              | No                              |
| Encon Heating and Ac                   | HVAC Technician                 | Yes                             |
| Boston University Marsh Chapel         | Ministry Associate              | No                              |
| Georgetown University                  | Graduate Student Assistant      | No                              |
| Self-Employed                          | Pet Sitter                      | Yes                             |
| Town of Southbury                      | Animal Control                  | Yes                             |
| Haymore Services                       | Landscaper                      | Yes                             |
| UCONN Health                           | Clinical Research Assistant     | No                              |
| Up Country                             | Landscaper                      | Yes                             |
| Mac's Tile LLC                         | Tile Setter                     | No                              |
| US Air Force                           | Senior Airman                   | No                              |
| B and B Rare Books                     | Book Seller                     | No                              |
| Arnold's Garage                        | Secretary                       | No                              |
| Self-Employed                          | Property Manager                | Yes                             |
| Aergelic Ballooning                    | Co-Pilot                        | No                              |

| Current Employer                       | Position within Company                     | Agricultural<br>Related, yes/no |
|----------------------------------------|---------------------------------------------|---------------------------------|
| Walton Family Foundation               | Grant Writer                                | Yes                             |
| Springbrook School For Developmental   | Aide/House Staff                            | No                              |
| Disability Services                    |                                             |                                 |
| Lincoln Financial Group                | Contract Compliance                         | No                              |
|                                        | Bartender                                   | No                              |
| O and G                                | Machine Operator                            | No                              |
| Sunburst landscaping                   | Landscaper                                  | Yes                             |
| Berkshire School                       | Groundskeeper                               | Yes                             |
| Mercer Software                        | Consultant                                  | No                              |
| Newberry Insurance                     | Customer Service Assistant                  | No                              |
| Pine Island Farm                       | Part Owner                                  | Yes                             |
| Invasive Plant Solution                | Owner/General Manager                       | Yes                             |
| Town of North Canaan                   | Selectman                                   | No                              |
| Aliydale Limestone Corporation         | Sales Developer                             | No                              |
| Simsbury School District               | First Grade Teacher                         | No                              |
| Farmington Metal Fabrication           | Fabricator                                  | Yes                             |
| Nantucket Golf Club                    | Assistant Director Programming and Services | No                              |
| White Hart Inn                         | Manager of Housekeeping                     | No                              |
| Deano's Pizza                          | Pizzaiolo                                   | No                              |
| Litchfield Toll Gate Veterinary Clinic | Veterinary Technician                       | Yes                             |
| RT Facts Antiques and Design           | Shop Worker                                 | No                              |
| Massage Envy                           | Massage Therapist                           | No                              |
| All About You Home Care                | Office Manager                              | No                              |
| Roaring Brook Veterinary Hospital      | Receptionist and Exam Room Technician       | Yes                             |
| Powder Brook Farm                      | Horse Exerciser                             | Yes                             |
| WR Horse Sales                         | Owner                                       | Yes                             |
| Eastern States Exposition              | Agriculture and Education Coordinator       | Yes                             |
| US Navy                                | Nuclear Mechanic                            | No                              |
| Region 6                               | Biotechnology Teacher                       | Yes                             |
| Adam's                                 | Assistant customer Service Manager          | No                              |
| Bantam Pizza                           | Waitress                                    | No                              |
| CT DEEP                                | Seasonal Resource Assistant                 | Yes                             |
| GeoSonics                              | Field Technician                            | Yes                             |
| Community Services                     | Support professional                        | No                              |
| Bed Bath and Beyond                    | Customer Service                            | No                              |
| US Forest Service                      | Wildland Firefighter                        | Yes                             |
| Centerville Specialty Care             | Certified Nurse's Aide                      | No                              |
| CT DEEP                                | Wildlife Technician                         | Yes                             |
| The Wild Center                        | Interpretive Naturalist                     | Yes                             |
| Colebrook Consolidated School          | Paraprofessional                            | No                              |
| GCP Technologies International         | Concrete Specialist, Western U.S.A.         | Yes                             |
| US Air force                           | Airman                                      | No                              |
| United Silicone                        | Field Service Technician                    | No                              |
| Ski Colorado Vacation Rentals          | Ski Instructor                              | Yes                             |
| US Army                                | Infantry                                    | No                              |
| Alaska Sealife Center                  | Research Fellow                             | Yes                             |

| Current Employer                      | Position within Company            | Agricultural<br>Related, yes/no |
|---------------------------------------|------------------------------------|---------------------------------|
| Dymax                                 | Manufacturing Set Up and Tear Down | No                              |
| Petco                                 | Pet Stylist                        | Yes                             |
| Lowe's Home Improvement               | Sales Specialist                   | Yes                             |
| Lynnhaven dairy Goats                 | Farm Manager                       | Yes                             |
| US Marine Corps                       | Sergeant                           | No                              |
| Symise                                | Flavors Laboratory Technician      | Yes                             |
| Phil's Landscape LLC                  | Landscape Supervisor               | Yes                             |
| Freelance                             | Art Department                     | No                              |
| Earth Tones Native Plant Nursery and  | Propagator and Laborer             | Yes                             |
| Landscapes                            |                                    |                                 |
| HO Peen Machinery Company             | Apprentice                         | Yes                             |
| Chuck Melius Horseshoeing             | Apprentice                         | Yes                             |
| Alvord Baker and Associates           | Part-Time Intake Coordinator       | No                              |
| Brookfield Animal Hospital            | Veterinary Technician              | Yes                             |
| New Fairfield Public Schools          | Sixth Grade Math Teacher           | No                              |
| US Coast Guard                        | Enlisted                           | No                              |
| Watts Water Technologist              | Human Resources Partner            | Yes                             |
| Porsche Audi of Wallingford           | Receptionist                       | No                              |
| University of New England             | Library Staff                      | No                              |
| Tractor Supply Company                | Team Leader                        | Yes                             |
| US DOI Bureau of Land Management      | Range Aide/Biological Science      | Yes                             |
|                                       | Technician                         |                                 |
| Flanders Nature Center and Land Trust | Farm Manager and Summer Camp       | Yes                             |
|                                       | Teacher                            |                                 |
| Sikorsky                              | Proposal Analyst Associate         | No                              |
| Newtown Public Schools                | Paraprofessional                   | No                              |
| Massachusetts General Hospital        | Research Animal Specialist II      | Yes                             |
| Mohawk Mountain                       | Ski School Supervisor              | No                              |
| Icons Sports Bar and Grill            | Waitress                           | No                              |
| Animal Medical care                   | Technician Assistant               | Yes                             |
| Earth Tones Native Plant Nursery      | Crewmember                         | Yes                             |
| Michael-Shaked group                  | Analyst                            | No                              |
| Northfield Property Care LLC          | Owner/Operator                     | Yes                             |
| Clemans Food Group                    | Food Safety and Quality Assurance  | Yes                             |
|                                       | Technician                         |                                 |
| Audet Farm                            | Farmer                             | Yes                             |
| US Coast Guard                        | SK3                                | No                              |
| Great Basin Institute                 | AmeriCorps Program Coordinator     | Yes                             |
| Markforged                            | Scale-Up Engineer                  | Yes                             |
| Ironworkers Local 424 New Haven       | Ironworker                         | Yes                             |
| New England Equine                    | Veterinary Technician              | Yes                             |
| Lewis and Sons Landscaping            | Supervisor                         | Yes                             |
| New England Home Care                 | Licensed Practical Nurse           | No                              |
| University of New Haven               | Graduate Assistant                 | No                              |
| Pomperaug River Watershed Coalition   | Intern                             | Yes                             |
| Naples Humane Society                 | Surgery Veterinary Technician      | Yes                             |
| Burns Construction                    | Water Foremen                      | Yes                             |
| Beardsley Zoo                         | Intern                             | Yes                             |

| Current Employer                          | Position within Company                  | Agricultural<br>Related, yes/no |
|-------------------------------------------|------------------------------------------|---------------------------------|
| Southbury Veterinary Hospital             | Veterinary Technician                    | Yes                             |
| Center for Human Development              | Direct Care Staff                        | No                              |
| Windhorse Stables                         | Manager                                  | Yes                             |
| St. Mary's Hospital                       | Security Officer                         | No                              |
| Walgreens                                 | Certified Pharmacy Technician            | No                              |
| Town of Watertown                         | Laborer                                  | Yes                             |
| Heights Café                              | Server                                   | No                              |
| Gossen Agriculture                        | Combine Driver                           | Yes                             |
| Sherman IGA                               | Cashier                                  | No                              |
| Alberti Realty Associates LLC             | Realtor                                  | No                              |
| Hartford Hospital                         | Registered Nurse                         | No                              |
| UCONN                                     | Culinary Assistant                       | Yes                             |
| Town of Lexington, KY                     | Elementary School Teacher                | No                              |
| Hartford Hospital                         | Pathology                                | No                              |
| Investment Management Associates          | Receptionist/Clerical                    | No                              |
| Town of Gorham, CT                        | Firefighter/Paramedic                    | No                              |
| Worchester, Maine                         | Firefighter/Paramedic                    | No                              |
| US Army                                   | PFC                                      | No                              |
| Sweet Water                               | Waitress                                 | No                              |
| CT Engineering                            | Engineer                                 | No                              |
| US Navy                                   | Petty Officer                            | No                              |
| US Navy                                   | Seaman                                   | No                              |
| Town of Mansfield                         | Highway and Road Maintenance             | No                              |
| Willington, CT                            | Firefighter/Paramedic                    | No                              |
| FedEX                                     | Package Handler                          | No                              |
| VT Consulting                             | Field Manager                            | Yes                             |
| Cutting Edge Chiropractic                 | Massage Therapist                        | No                              |
| CT DEEP                                   | Environmental Educator                   | Yes                             |
| Colorado Department of Parks and Wildlife | Park Ranger                              | Yes                             |
| The Russell Group, Washington, DC         | Agricultural Advocate/Lobbyist           | Yes                             |
| Earth Tones Nursery                       | Plant Propagator                         | Yes                             |
| VCA Shoreline Emergency Center            | Veterinary Assistant                     | Yes                             |
| Tractor Supply                            | Customer Service Associate               | Yes                             |
| H.O. Penn Equipment                       | Mechanic                                 | Yes                             |
| Madison Oneida BOCES                      | Teaching Assistant and Riding Instructor | Yes                             |
| Self-Employed                             | CDL Driver                               | Yes                             |
| A New Hope farm                           | Owner                                    | Yes                             |
| Avon Valley Show Stables                  | Assistant Trainer                        | Yes                             |
| Pratt and Whitney                         | Welder                                   | Yes                             |
| The Flower Girl                           | Florist                                  | Yes                             |
| NDZ Performance                           | Warehouse Worker                         | Yes                             |
| Stop & Shop                               | Department Supervisor                    | No                              |
| Dattco                                    | Student Assistant                        | No                              |
| Advantage Sales and Marketing             | Sales Associate                          | No                              |
| McDonalds                                 | Customer Service Associate               | No                              |
| European Wax Center                       | Clinician                                | No                              |
| Shoprite Supermarkets                     | Cashier                                  | No                              |

|                                    |                                         | Agricultural    |
|------------------------------------|-----------------------------------------|-----------------|
| Current Employer                   | Position within Company                 | Related, yes/no |
| Self-Employed                      | Pet Services                            | Yes             |
| Shoprite Supermarkets              | Maintenance                             | No              |
| Strawberry Hill Animal Hospital    | Kennel Assistant                        | Yes             |
| SeaWorld Orlando                   | Aquarist                                | Yes             |
| Prides Corner Farm                 | Live Roof Sales Specialist              | Yes             |
| Westhill High School               | Volleyball Coach                        | No              |
| Brown University                   | Graduate Fellow                         | No              |
| Engineered Building Products       | Welder/Fabricator                       | Yes             |
| Christian Farms                    | Farmhand/Horse Handler                  | Yes             |
| Beach Construction                 | Owner                                   | Yes             |
| Starbucks                          | Manager                                 | No              |
| Southern New Hampshire University  | Assistant Director, Community Relations | No              |
| Cantar                             | Customer Service                        | No              |
| iHeart Media, Inc.                 | Social Media Sales                      | No              |
| Town of East Granby                | Grounds maintenance Technician          | Yes             |
| Self-Employed                      | Dog Breeder/Trainer                     | Yes             |
| Cheesecake Factory                 | Server                                  | No              |
| Men's Warehouse                    | Sales Associate                         | No              |
| Salon 241                          | Stylist                                 | No              |
| Suffield by the River              | Certified Nurse's Assistant             | No              |
| Dunkin Donut                       | Server                                  | No              |
| Veterinary Specialist of CT        | Technician                              | Yes             |
| Suffield Hardware                  | Sales                                   | Yes             |
| Ball Horticulture-PanAmerican Seed | Seed Research Technician                | Yes             |
| USDA                               | Food Inspector                          | Yes             |
| Ford and Paulekas LLP              | Administrator                           | No              |
| Building Blocks of Windsor         | Child Caretaker                         | No              |
| SS and C Technologies              | Market Sales Leader                     | Yes             |
| River Valley Animal Center         | Veterinary Assistant                    | Yes             |
| Allen Farm                         | Owner                                   | Yes             |
| Firestone Complete Auto Care       | Mechanic                                | Yes             |
| Domino's Pizza                     | Customer Service Representative         | No              |
| United States Beverage             | Marketing Executive                     | No              |
| Giga Farm                          | Owner                                   | Yes             |
| Aquarion                           | O Miles                                 | Yes             |
| Stratford Animal Hospital          | Part-Time Assistant                     | Yes             |
| Self-Employed                      | Pet Sitter                              | Yes             |
| Silly Cow Farms                    | 1 ct sitter                             | Yes             |
| IBM                                | Software Engineer                       | No              |
| Savin Rock Community School        | Kindergarten Teacher                    | No              |
| Wallingford Public Schools         | Teacher                                 | No              |
| Yale School of Medicine            | Portfolio Associate                     | No              |
| Franklin Pierce University         | Health Care Administrator               | No              |
| Northridge Health Care             | Receptionist                            | No              |
| Nutrien                            | Advisor, Registrations                  | No              |
| Victim Rights Center               | Legal Administration Assistant          | No              |
| Station Bar and Grill              | Waitress                                |                 |
|                                    |                                         | No<br>No        |
| Hilton Hotel and Resorts           | Management Development Program          | No              |

| Current Employer                     | Position within Company      | Agricultural<br>Related, yes/no |
|--------------------------------------|------------------------------|---------------------------------|
| Macy's                               |                              | No                              |
| LuAnn's Bakery                       | Sales Clerk                  | Yes                             |
| Del Home Improvement                 | Construction Foreman         | No                              |
| Virkler cabinet                      | Carpenter                    | No                              |
| Katherine Robinson                   | Cashier                      | No                              |
| Cornell University                   | Graduate Student             | Yes                             |
| NYC restaurant Marketing             | Head of Marketing            | No                              |
| Physical Therapy and Sports Medicine | Physical Therapy Aide        | No                              |
| Sally Beauty                         | Assistant Manager            | No                              |
| Beverly Early Learning Center        | Substitute Teacher/Aide      | No                              |
| Executive Dodge Jeep Ram             | Receptionist                 | No                              |
| Cape Fear Valley Medical Center      | Registered Nurse             | No                              |
| Honey Road Restaurant                | Cook                         | No                              |
| Pieper-Olson Veterinary Hospital     | Veterinary Technician        | Yes                             |
| Geremia Farm                         | Greenhouse manager           | Yes                             |
| Big Y                                | Florist                      | Yes                             |
| Jordan's Furniture                   | Sales Associate              | No                              |
| Blakeslee Arpaia Chapman             | Mechanic                     | No                              |
| Monro Muffler and Brake              | Mechanic                     | No                              |
| Hunter's Ambulance                   | Emergency Medical Technician | No                              |
| Pine Bush Equipment                  | Mechanic                     | No                              |
| Bark Avenue Pet House                | Kennel Attendant             | Yes                             |
| Power Home Remodeling                | Marketing Representative     | No                              |
| Olympia Sports                       | Manager                      | No                              |
| Risk Placement services              | Underwriting Assistant       | No                              |
| Anything's Pawsible                  | Owner                        | Yes                             |
| Home Depot                           | Sales Associate              | Yes                             |
| Shoreline Arts Alliance              | Social Media Consultant      | No                              |