



Hartnell College Office of Advancement and Development Grant Pre and Post Award Form

October 2013

1. Funding Agency/Organization and Title of Grant Project			
US Department of Agriculture – Hispanic Serving Institutions			
2. Applicant		Fiscal Agent	
<input checked="" type="checkbox"/> Hartnell College <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Hartnell College <input type="checkbox"/> Other	
3. Submitted		Submission Date	4. Awarded
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		04-16-2015	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
If not submitted, why?		Reviewer Notes Attached	
Reviewer Notes on file			
Hartnell College Board of Trustees report date:		05-05-2015	
Abstract:			
See attached.			

PROJECT SUMMARY/ABSTRACT

- **Project Title:** Hartnell College Agricultural Sciences Underrepresented Student Pipeline HSI Project
- **Project Code:** NJ
- **Project Director:** Dr. Zahi K. Atallah, Dean, Advanced Technology, Hartnell College
- **Degree Level:** Associate of Science
- **Priority Need Areas:** 1. Agricultural and Natural Resources Science for Climate Variability and Change; 2. Food Security and Hunger; 3. Food Safety; and 4. Water for Agriculture
- **Educational Strategies:** Faculty Preparation and Enhancement for Teaching; Student Experiential Learning; Student Recruitment and Retention.
- **Primary Discipline/Subject Matter:** Plant Health and Production and Plant Products – Plant systems; Food Safety, Nutrition, and Health – Nutrition, food safety, quality, and health; and Renewable Energy, Natural Resources, and Environment – Natural resources, environment.
- **Partners:** N.A.
- **Total Funds Requested:** \$250,000
- **Summary Text - (250 word): Purpose.** Hartnell College’s Agricultural Sciences Underrepresented Student Pipeline HSI Project centers on an alarming decline in agricultural sciences enrollments by low income, underrepresented students from regional high schools. Since Fall, 2011 through Fall, 2014, overall enrollment in agriculture courses and majors has increased 54 percent at Hartnell. However, during that same time period Latino enrollment in agriculture majors/courses at Hartnell has declined by 39 percent. **Audience.** The project will help a large population of underrepresented Hispanic students access high wage, career track training in agriculture. And, it will help the regional \$4.4 billion agriculture industry meet a need for qualified high skill workers to advance sustainability and competitiveness. When implemented, the project will deliver training to 75-100 K-12 counselors and teachers; outreach and instruction to 500 or more middle and high school **students;** and result in 100 new agricultural science majors at Hartnell. **Products** will include: classroom and lab instructional materials for at least six agricultural science modules; a program web site; research intern program model; outreach/recruitment materials; teacher training materials; student enrollment, retention, persistence, and outcomes data. **Outcomes/Impacts** will include enrollment of at least 100 new underrepresented students per year in agricultural

sciences majors at Hartnell; an 80 percent student completion and graduation rate; a 90 percent research intern success rate; increased quality of instruction; improved college readiness for participating underrepresented students; a 90 percent industry satisfaction rating; and increased representation by Hispanics in high skill agricultural jobs. This project will strengthen agricultural education for students, faculty and industry.