

STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
GENERAL SERVICES DIVISION
OFFICE OF PROCUREMENT SERVICES
4200 SURFACE ROAD, COLUMBUS, OH 43228-1395

AMENDMENT FOR CHANGE
AMENDMENT NO. 3

TO: OHIO DEPARTMENT OF AGRICULTURE
FROM: ROBERT BLAIR, DIRECTOR, DEPARTMENT OF ADMINISTRATIVE SERVICES
SUBJECT: CONTRACT FOR OHIO GRAPE INDUSTRIES EXTENSION AND RESEARCH PROGRAM

Attached are pages 5, 6 and 8 to this contract. Remove these pages from the existing contract and replace with the attached pages on the effective and/or revision date.

This amendment is issued to add the Entomology costs and to include these costs in the Grand Total amounts.

All other prices, terms and conditions remain unchanged.

Questions regarding this Amendment and/or the Requirements Contract may be directed to:

Therese Gallego, CPPB
therese.gallego@das.state.oh.us

This Amendment, the main Requirements Contract and any additional amendments thereto are available from the DAS Web site at the following address:

<http://www.ohio.gov/procure>

Affected Contractor(s):

678 (address 49)
The Ohio State University
Office of Sponsored Programs
Food Agricultural and Environmental
Sciences
Suite 112 Agricultural Engineering Bldg
590 Woody Hayes Dr
Columbus, OH 43210
finch.24@osu.edu

Plant Pathology (continued)	Year 1 Cost	Year 2 Cost
a. Determine the effects of dormant applications of a potential substitute for Liquid Lime Sulfur (Sulfurix) on the development of Phomopsis cane and leaf spot and other grape diseases in Ohio, and the effects of dormant applications of phosphorous acid on control of grape diseases.	\$ 3,023.80	\$ 3,106.60
b. Determine the efficacy of a new biological control agent and soil amendments of compost for control of grape crown gall.	\$ 3,023.80	\$ 3,106.60
Plant Pathology Total	\$ 15,119.00	\$ 15,533.00
1. Entomology	Year 1 Cost	Year 2 Cost
a. Develop more effective scouting protocols and pest management strategies to control invasives pests in Ohio vineyards, including but not limited to Multi-Colored Lady Asian Beetle, Marmorated Stink Bug, 2 Spotted Drisophila and European Berry Moth.	\$ *14,608.00	\$ *9,713.00
b. Evaluate Movento for control of grape scale.	\$ *4,804.00	\$ *4,857.00
c. Evaluate Movento and leverage for annual and long term control of grape phylloxera.	\$ *4,804.00	\$ *4,857.00
Entomology Total	\$ *24,216.00	\$ *19,426.00
2. Weed Science	Year 1 Cost	Year 2 Cost
a. Continue development of new and improved herbicides, alternative weed control techniques and weed management systems that will provide more efficient, cost effective and environmentally sound weed control in Ohio vineyards.	\$ 5,700.00	\$ 4,400.00
b. Large screen of the best germ plasm for sensitivity to 2,4-D and dicamba. Test 20 most promising and currently used varieties in Ohio.	\$ 0.00	\$ 0.00
Weed Science Total	\$ 5,700.00	\$ 4,400.00
Category Total	\$ *104,383.00	\$ *78,388.00

*Indicates change 08/08/12.

1. Enology Research		
1. Enology research focused on producing premium quality wine in Ohio:	Year 1 Cost	Year 2 Cost
a. Identify vinification practices in determining optimum procedures of enhancing varietal character.	\$ 13,037.00	\$ 13,231.00
b. Investigation of new yeast and bacteria strains in producing higher quality and more complex wines.	\$ 6,520.00	\$ 6,617.00
c. Emphasis on aromatic volatile research by optimizing the GC/MS.	\$ *	\$ *
d. Investigation of new techniques of controlling both chemical and microbial wine stability.	\$ 8,691.00	\$ 8,820.00
Enology Research for Premium Quality Wine	\$ 28,248.00	\$ 28,668.00
2. Collaborative Enology research focused on enhancing both grape and wine quality for Ohio:	Year 1 Cost	Year 2 Cost
a. Evaluate cultural practices in the vineyard that optimize vine performance and fruit quality for wine quality enhancement.	\$ *	\$ *
b. Evaluate clones and rootstocks of existing and newly introduced varieties for enhancing wine quality (e.g. Cabernet franc, Riesling, Gamay noir, etc.)	\$ *	\$ *
c. Evaluate newly released varieties and advanced selections for grape and wine quality in Ohio.	\$ 6,519.00	\$ 6,618.00
d. Develop standards of fruit maturity for varietals in Ohio in the production of premium wine.	\$ 4,345.00	\$ 4,410.00
e. Work with other disciplines involving Entomology, Plant Pathology and Weed Ecology on possible studies effecting wine quality	\$ **	\$ **
Enology Research to Enhance Grape and Wine Quality	\$ 10,864.00	\$ 11,028.00
Category Total	\$ 39,112.00	\$ 39,696.00
Grand Total	\$ ***316,211.00	\$ ***290,124.00

* Items 1c, 2a and 2b will receive data from the Viticulture Research Program.

** Item 2e will be addressed as a collaboration within the Contractor's group should any significant pest issues of concern affecting wine quality are identified.

*** Indicates change 08/08/12.

All costs must be in U.S. Dollars.

The State will not be responsible for any costs not identified.

There will be no additional reimbursement for travel or other related expenses.

SUMMARY OF AMENDMENTS

Amendment Number	Revision Date	Description
3	08/08/12	To add the Entomology costs and include these costs in the Grand Total amounts.
2	07/13/12	To correct Weed Science and Grand Total amounts for Years 1 and 2.
1	07/06/12	To correct Grand Total amount in Year 1 and Plant Pathology Total, Viticulture Research Category Total and Grand Total amounts in Year 2.