

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. 4

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 3 and 5 through 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 correct the FY13 costs for Viticulture Research and Grand Total and to correct the OAKS vendor address code.

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 48)
The Ohio State University
Office of Sponsored Programs
1960 Kenny Road
Columbus, OH 43210-1063
finch.24@osu.edu

*Indicates change 08/24/12.

1. [Page 45] General Warranties. Paragraph 1 shall be amended to read:

The Contractor represents that the recommendations, guidance, and performance of the Contractor under this Contract will: (1) Be in accordance with sound professional standards and the requirements of this Contract and without any material defects; (2) Unless otherwise provided in the RFP, be the work solely of the Contractor; and (3) No Deliverable will knowingly infringe on the intellectual property rights of any third party.

2. [Pages 45 and 46] General Warranties; Software Warranty; Equipment Warranty; General Exclusion of Warranties. The word "warrants" found in any paragraph of these sections shall be changed to "represents" and the word "warranties" shall be changed to "representations."
3. [Page 46] Indemnity. As a state institution of higher education as defined in section 3345.011 of the Revised Code, the Indemnity provisions in Attachment Three, General Terms and Conditions, Part Four: Representations, Warranties, and Liabilities do not apply to Contractor and are hereby deleted.
4. [Page 46] Limitations of Liability. The second numbered paragraph shall be deleted.

Clarifications to Proposal Accepted by DAS and AGR

1. *The original request was for 2.75 FTE (25% Dami, 100% Kinney, 50% grad student, and 100% (2x 50%) undergraduates) for 7 proposed projects. Following funding, staffing plan was adjusted to 1 FTE (25% Dami, 40% Kinney, and 35% undergraduate students) for the 6 recommended projects in FY13.
2. Dave Scurlock and Todd Steiner shall be Co-PM's on the extension part of this RFP. With this structure in place, Dave Scurlock will be able to manage the Viticulture Extension component while Todd Steiner will continue to manage the Enology Extension component. Under "Viticulture Extension" Dr. Mike Ellis will be in charge of extension activities related to Plant Pathology, Dr. Roger Williams will be in charge of extension material from Entomology and Dr. Imed Dami will help collaborate with Dave Scurlock on disseminating critical information in Viticulture to the industry. Dr. Gary Gao will still be in charge of the extension and outreach activities from OSU South Centers located in Piketon, Ohio. He will also lead the winegrape cultivar demonstration vineyard at OSU South Centers.
3. Dr. Clay Sneller or the acting Chair or Associate Chair of the Department of Horticulture and Crop Science shall serve as the overall Principal Investigator of this RFP covering all components in both Research and Extension.
4. There shall be 100 site visits to vineyards per year, not 200 site visits as noted on page 165 of the submitted proposal.
5. Regarding Entomology research, the Brown Marmorated Stink Bug (BMSB) is included in the proposal and will be made a priority. Contractor is keeping in contact with colleges in neighboring states and sharing information concerning this pest. It's presence in Ohio vineyards is being monitored and we will be evaluating control measures when numbers within the vineyard environment become adequate for replicated studies.
6. Regarding the Support Requirements on page 207 of the proposal: For item 1, this is acceptable with the following provisions:
 - a. If the conference is held, and
 - b. If supplemental funding is approved by the OGIC.
7. Regarding the Cost Summary, page 64: Item 4.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) is not needed. OGIC Review Panel requests more producer outreach and education on this subject. OGIC Review Panel wishes to see coordination with extension services for other crops to make other growers aware of the impact their choices can make on the grape growers. Per the Contractor, the Weed Science program will directly provide communication and extension work based on results of this project as well as all previous work done to better understand herbicide damage in vineyards. Through collaboration with extension specialists, workshops will be held to educate growers on this subject. In the past row crop farmers have also attended these extension activities to learn about this issue, and would be welcome in the future to attend as well in order to better communicate key issues to all parties. The Contractor will be able to answer any direct questions we receive through email or phone based on the results of this work.

*Indicates change 08/24/12.

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 Section to be awarded after 08/01/12.	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	\$ *105,083.00	\$ 78,388.00

*Indicates change 08/24/12.

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	\$ ***316,911.00	\$ 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 08/24/12.

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.

CONTRACTOR INDEX

CONTRACTOR AND TERMS:

BID CONTRACT NO.: CSP900113-1



678 (*address 48)
The Ohio State University
Office of Sponsored Programs
1960 Kenny Road
Columbus, OH 43210-1063

TERMS: Net 30

CONTRACTOR'S CONTACT:

Technical Contact (Research):

Dr. Imed Dami
The Ohio State University
Ohio Agricultural Research and Development Center
1680 Madison Avenue
Wooster, OH 44691-4096

Office: (330) 263-3882
Fax: (330) 263-3887
E-Mail: dami.1@osu.edu

Technical Contact (Extension):

Todd Steiner
The Ohio State University
Ohio Agricultural Research and Development Center
1680 Madison Avenue
Wooster, OH 44691-4096

Office: (330) 263-3881
Fax: (330) 263-3685
E-Mail: steiner.4@osu.edu

Administrative/Fiscal Contact:

Laura Finch
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

Office: (614) 292-3721
Fax: (614) 292-8555
E-Mail: finch.24@osu.edu

*Indicates change 08/24/12.

SUMMARY OF AMENDMENTS

Amendment Number	Revision Date	Description
4	08/24/12	To correct the FY13 totals for Viticulture Research and Grand Total and to correct the OAKS vendor address code.
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.