



## VIRGINIA WINE BOARD PROJECTS 2019-2027

The Virginia Wine Board funds research, education, and marketing initiatives that further the Virginia Wine industry. Learn more by visiting [pages.virginiawine.org/grants/](https://pages.virginiawine.org/grants/) or contacting [vwbgrants@stonywater.com](mailto:vwbgrants@stonywater.com).

Note: These lists include research, education and marketing grants and contracts. Actual expenditures may be lower than the ceiling values listed. Grants generally last June 1 – May 31; contracts are generally July 1 – June 30. VWB administrative expenses are not reflected here.

### FY 26-27 PROJECTS

| Awardee                         | Title                                                                                         | Approved     |
|---------------------------------|-----------------------------------------------------------------------------------------------|--------------|
| VT                              | Impacts of Exposure to Adult Spotted Lanternfly on Cabernet Franc Yield and Grape Composition | \$59,373     |
| Sustainable Virginia Vineyards  | Sustainable Virginia Vineyards Certification Pilot: Year One Execution and Market Readiness   | \$25,000     |
| VVA                             | Virginia Vineyards Association 2027 Winter Technical Meeting Facility Support                 | \$15,000     |
| VT                              | Improve the efficacy of grape downy mildew management in Virginia                             | \$57,162     |
| VT                              | Maintain fungicide resistance testing capabilities for grape diseases-2026-2027               | \$6,000      |
| VWA                             | VWA Regulation and Rules Round Ups and Winery Resource Guide                                  | \$38,000     |
| VVA                             | Virginia Commercial Grape Report 2026                                                         | \$21,000     |
| VCA                             | Virginia Cider Educational Meetings FY 2026-2027                                              | \$8,000      |
| VT                              | Characterization of Virginia-grown Apples for Cider Production                                | \$63,406     |
| VT                              | Comparing Annual and Perennial Legumes as Under-Vine Cover Crops in Virginia Vineyards        | \$43,000     |
| VT                              | Assessing red wine phenolics in three Virginia wine varieties over three vintages             | \$43,410     |
| The Drink Tank                  | Project DMVino - Building the Brand of Virginia Wine in D.C. through The Drink Tank           | \$11,920     |
| Wine Cellar Stories Productions | Virginia Wine Micro-Films                                                                     | \$30,000     |
| WRE                             | ARS/USDA - WRE Collaborative Wine Grapevine Breeding Initiative                               | \$256,889.60 |

|               |                                            |             |
|---------------|--------------------------------------------|-------------|
| NGRA          | Membership                                 | \$10,000    |
| WRE           | NGRA Representation/Travel (FY27)          | \$10,000    |
| WRE           | Enology Research Services (contract)       | \$327,220   |
| VWA           | Governor's Cup Competition 2025 (contract) | \$100,000   |
| StonyWater    | Grant and Budget Management (contract)     | \$65,000    |
| Ringwood Boyd | Virginia Wine Marketing Office (contract)  | \$1,255,000 |

## FY 25-26 PROJECTS

| Awardee                         | Title                                                                                                  | Approved     | Spent        |
|---------------------------------|--------------------------------------------------------------------------------------------------------|--------------|--------------|
| VT                              | <a href="#">Maintain fungicide resistance testing capabilities for grape diseases-2025-2026</a>        | \$9,900      | \$9,900      |
| VT                              | Impacts of Exposure to Adult Spotted Lanternfly on Cabernet Franc Yield and Grape Composition          | \$59,373     | Extended     |
| VT                              | <a href="#">Comparing annual and perennial legumes as under-vine cover crops in Virginia vineyards</a> | \$44,638     | \$44,584.62  |
| VT                              | <a href="#">Assessing red wine phenolics in three Virginia wine varieties over three vintages</a>      | \$47,323     | \$47,323     |
| VT                              | <a href="#">Harvest Maturity and Postharvest Storage of Southern Apples for Cider Production</a>       | \$59,797     | \$59,795.49  |
| VT                              | <a href="#">Improve the efficacy of grape downy mildew management in Virginia</a>                      | \$56,000     | \$53,889.44  |
| VT                              | <a href="#">Preparing for Pierce's disease-ready future vineyard operations</a>                        | \$25,117     | \$23,334.40  |
| VVA                             | <a href="#">Virginia Commercial Grape Report 2025</a>                                                  | \$21,000     | \$21,000     |
| VWA                             | <a href="#">VWA Technical &amp; Reception Programs</a>                                                 | \$45,000     | \$13,034.82  |
| VWA                             | <a href="#">VWA Regulation and Rules Round Ups and Winery Resource Guide</a>                           | \$42,000     | \$31,342.50  |
| VCA                             | <a href="#">Virginia Cider Educational Meetings FY 2025-2026</a>                                       | \$8,000      | \$3,154.69   |
| Nelson County                   | <a href="#">Cost of Production Review</a>                                                              | \$17,945     | \$17,945     |
| VVA                             | <a href="#">Virginia Vineyards Association 2026 Winter Technical Meeting Facility Support</a>          | \$25,000     | \$25,000     |
| Sustainable Virginia Vineyards  | <a href="#">Developing a Sustainable Vineyard Certification Pilot Program</a>                          | \$12,000     | \$11,543.28  |
| Wine Cellar Stories Productions | Virginia Wine Docu-series                                                                              | \$50,000     | Extended     |
| WRE                             | <a href="#">ARS/USDA - WRE Collaborative Wine Grapevine Breeding Initiative</a>                        | \$249,678.63 | Ongoing      |
| NGRA                            | Membership                                                                                             | \$10,000     | \$10,000     |
| WRE                             | <a href="#">NGRA Representation/Travel (FY26)</a>                                                      | \$10,000     | \$10,000     |
| WRE                             | Enology Research Services (contract)                                                                   | \$327,220    | \$324,725.59 |
| VWA                             | Governor's Cup Competition 2025 (contract)                                                             | \$100,000    | \$100,000    |
| StonyWater                      | Grant and Budget Management (contract)                                                                 | \$73,000     | \$55,663.36  |

|                  |                                           |             |                |
|------------------|-------------------------------------------|-------------|----------------|
| Ringwood<br>Boyd | Virginia Wine Marketing Office (contract) | \$1,255,000 | \$1,234,122.26 |
|------------------|-------------------------------------------|-------------|----------------|

## FY 24-25 PROJECTS

| Awardee              | Title                                                                                                                         | Approved     | Spent                    |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------|
| VVA                  | <a href="#">Virginia Vineyards Association 2025 Winter Technical Meeting Facility Support</a>                                 | \$30,000     | \$30,000                 |
| VVA                  | <a href="#">Virginia Commercial Grape Report 2024</a>                                                                         | \$33,000     | <a href="#">\$21,548</a> |
| VCA                  | <a href="#">Virginia Cider Educational Meetings FY 2024-2025</a>                                                              | \$8,000      | \$4,432.38               |
| Virginia Tech        | <a href="#">Improve Efficacy of Grape Downy Mildew Management in Virginia</a>                                                 | \$54,946     | \$53,851                 |
| Virginia Tech        | <a href="#">Evaluation of Novel Grapevine Under Local Conditions</a>                                                          | \$7,112      | \$6,981.25               |
| Virginia Tech        | <a href="#">Maintain Fungicide Resistance Testing Capabilities for Grape Diseases FY 25</a>                                   | \$11,200     | \$11,200                 |
| Virginia Tech        | <a href="#">Virginia High Resolution Vineyard Nutrient Program</a>                                                            | \$13,776     | \$13,776                 |
| Virginia Tech        | <a href="#">Tannins, Anthocyanins, and Other Polyphenols in Virginia Cabernet Franc</a>                                       | \$39,850     | \$39,850                 |
| Virginia Tech        | <a href="#">Characterization of Southern Apples for Cider Production</a>                                                      | \$48,035     | \$47,656.73              |
| VWA                  | <a href="#">VWA Technical &amp; Reception Programs</a>                                                                        | \$43,000     | \$42,213.20              |
| VWA                  | <a href="#">VWA Regulation and Rules Round Ups and Winery Resource Guide</a>                                                  | \$39,000     | \$19,025                 |
| Enolytics            | <a href="#">Virginia Wine Direct-to-Consumer and Trade Sales and Demographics: Current Trends, Forecast and Opportunities</a> | \$30,000     | \$14,064.29              |
| The Veraison Project | <a href="#">The Veraison Project x Oenoverse VA Programming: Oeno Camp</a>                                                    | \$22,891.54  | \$17,316.64              |
| The Veraison Project | <a href="#">The Veraison Project x Oenoverse VA Programming: Two Up Wine Down Festival</a>                                    | \$20,000     | \$ -                     |
| WRE                  | <a href="#">ARS/USDA - WRE Collaborative Wine Grapevine Breeding Initiative</a>                                               | \$243,383.36 | \$243,383.36             |
| NGRA                 | Membership (FY25)                                                                                                             | \$10,000     | \$10,000                 |
| WRE                  | Enology Research Services (contract)                                                                                          | \$335,510    | \$330,365.62             |
| VWA                  | Governor's Cup Competition 2024 (contract)                                                                                    | \$120,000    | \$120,000                |
| StonyWater           | Grant and Budget Management (contract)                                                                                        | \$77,100     | \$72,902.69              |
| Ringwood<br>Boyd     | Virginia Wine Marketing Office (contract)                                                                                     | \$1,615,000  | \$1,512,251.78           |

## FY 23-24 PROJECTS

| Awardee | Title                                                                     | Approved | Spent    |
|---------|---------------------------------------------------------------------------|----------|----------|
| VWA     | <a href="#">Regulation and Rules Round Ups and Winery Resources Guide</a> | \$34,000 | \$32,190 |

|               |                                                                                                      |              |                          |
|---------------|------------------------------------------------------------------------------------------------------|--------------|--------------------------|
| VWA           | <a href="#">VWA Governor's Cup Seminar 2023 (GovCupSem)</a>                                          | \$5,000      | \$5,000                  |
| VWA           | <a href="#">VWA Conference - Technical &amp; Reception for 2023</a>                                  | \$37,910     | \$37,910                 |
| VWA           | <a href="#">VWA Ask the Expert Workshops</a>                                                         | \$10,000     | \$1,359.93               |
| VCA           | <a href="#">Virginia Cider Educational Meetings FY 23-24</a>                                         | \$7,500      | \$2,823.77               |
| Virginia Tech | <a href="#">Viticulture Extension and Research Support FY 23-24</a>                                  | \$33,093     | \$32,922.48              |
| Virginia Tech | <a href="#">Grape Pathology Projects</a>                                                             | \$53,718     | \$53,602.70              |
| Virginia Tech | <a href="#">Maintain Fungicide Resistance Testing Capabilities for Grape Diseases V</a>              | \$12,900     | \$12,900                 |
| Virginia Tech | <a href="#">Virginia Sentinel Vineyards Extension and Research Network - Phase 2</a>                 | \$15,000     | \$5,427.90               |
| VVA           | <a href="#">Support for Facility Rental for VVA Technical Meetings</a>                               | \$25,000     | \$25,000                 |
| WRE           | <a href="#">ARS/USDA - WRE Collaborative Wine Grapevine Breeding Initiative</a>                      | \$226,919.76 | \$226,919.76             |
| WRE           | Breeding Downy Mildew Resistant Vinifera-Style Wine Grapes Adapted to the Mid-Atlantic US            | \$125,000    | Extended to May 31, 2027 |
| VCA           | <a href="#">2023 Virginia Cider Apple Report</a><br><a href="#">2024 Virginia Cider Apple Report</a> | \$22,000     | <a href="#">\$22,000</a> |
| NGRA          | <a href="#">NGRA Travel (FY24 and FY25) &amp; Membership (FY24)</a>                                  | \$26,600     | \$26,571.01              |
| Oenoverse     | <a href="#">Oeno Camp: A Virginia Wine Immersion Program</a>                                         | \$10,000     | \$9,606.89               |
| VVA           | <a href="#">Virginia Commercial Grape Report (CGR)</a>                                               | \$33,300     | \$25,000                 |
| WRE           | <a href="#">Enology Research Services</a> (contract)                                                 | \$318,810    | \$318,810                |
| VWA           | Governor's Cup Competition 2023 (contract)                                                           | \$120,000    | \$120,000                |
| StonyWater    | Grant and Budget Management (contract)                                                               | \$80,000     | \$74,978.92              |
| Ringwood Boyd | Virginia Wine Marketing Office (contract)                                                            | \$1,525,400  | \$1,358,068.43           |

## FY 22-23 PROJECTS

| Awardee              | Title                                                         | Approved | Spent       |
|----------------------|---------------------------------------------------------------|----------|-------------|
| VVA                  | Support for Virginia Vineyards Association Technical Meetings | \$25,000 | \$25,000    |
| VVA                  | <a href="#">Virginia Commercial Grape Report</a>              | \$35,800 | \$25,228    |
| VWA                  | VWA Annual Meeting & Conference                               | \$25,000 | \$24,885.11 |
| VWA                  | Regulation Round-Ups and VWA Winery Resource Guide            | \$64,000 | \$49,383.18 |
| VCA                  | <a href="#">Virginia Cider Educational Meetings</a>           | \$7,500  | \$2,314.87  |
| VCA                  | <a href="#">VCA Strategic Planning</a>                        | \$10,390 | \$7,182.50  |
| Panacea Wine & Cider | <a href="#">Commercial Cider Apple Survey and Report</a>      | \$24,500 | \$24,500.02 |

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|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
| Virginia Tech  | <a href="#">Application of Biocontrol Agent <i>Rhizobium vitis</i> ARK-1 at the Time of Grafting</a>                                      | \$48,000     | \$47,497.26    |
| Virginia Tech  | Establishment of Virginia Sentinel Vineyard Network for Extension and Research                                                            | \$22,000     | \$18,045.94    |
| Virginia Tech  | <a href="#">Grape Pathology Projects 2021-2023</a>                                                                                        | \$44,514     | \$43,218.51    |
| Virginia Tech  | Official Launching of grapeIPM.org with Collaboration Between VT and VVA                                                                  | \$20,000     | \$16,484.31    |
| Virginia Tech  | <a href="#">Viticulture Extension and Research Support</a>                                                                                | \$33,000     | \$32,990.63    |
| Virginia Tech  | <a href="#">Maintaining Fungicide Resistance Testing Capabilities for Grape Diseases and Follow-Up Tests on Cane-Infecting Fungi - IV</a> | \$11,771     | \$11,771       |
| Virginia Tech  | <a href="#">Mealybug Species Composition and Management in Virginia Vineyards</a>                                                         | \$58,992     | \$51,507.68    |
| Virginia Tech  | <a href="#">Spotted Lanternfly Affecting Virginia Vineyards: Expansion and Control of Egg Masses</a>                                      | \$55,675     | \$51,580.64    |
| Virginia Tech  | <a href="#">Evaluation of Novel Grapevine under Local Growing Conditions</a>                                                              | \$11,296     | \$11,142.34    |
| Virginia Tech  | <a href="#">Improving Grape Quality in Virginia Vineyards Using Soil Stabilizers</a>                                                      | \$25,583     | \$25,581.67    |
| Virginia Tech  | <a href="#">Natural Cider Fermentation: Management Strategies for Success</a>                                                             | \$54,900     | \$53,779.70    |
| WRE            | ARS/USDA - WRE Collaborative Wine Grapevine Breeding Initiative                                                                           | \$209,407.46 | \$209,407.46   |
| NGRA           | NGRA Travel & Membership (FY23)                                                                                                           | \$15,000     | \$12,510.49    |
| Satellite Arts | <a href="#">GeoVine</a>                                                                                                                   | \$52,500     | \$50,000       |
| WRE            | <a href="#">Enology Research Services</a> (contract)                                                                                      | \$298,748    | \$284,977.21   |
| VVA            | Governor's Cup Competition (contract)                                                                                                     | \$120,000    | \$120,000      |
| Ringwood Boyd  | Virginia Wine Marketing Office (contract)                                                                                                 | \$1,468,900  | \$1,379,811.37 |

## FY 21-22 PROJECTS

| Awardee | Title                                                         | Approved | Spent       |
|---------|---------------------------------------------------------------|----------|-------------|
| VVA     | Support for Virginia Vineyards Association Technical Meetings | \$25,000 | \$25,000    |
| VVA     | VVA Annual Meeting & Conference                               | \$25,000 | \$25,000    |
| VCA     | Virginia Cider Educational Meetings                           | \$7,500  | \$7,478.40  |
| VVA     | <a href="#">Governor's Cup Case Seminars 2022</a>             | \$15,000 | \$14,988.23 |
| VVA     | Regulation Round-Ups and VVA Winery Resource Guide            | \$64,000 | \$60,083.09 |
| VVA     | Social Media and Digital Marketing Workshop                   | \$18,000 | \$17,816.72 |

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|----------------------|---------------------------------------------------------------------------------------------------------------------------|-------------|----------------|
| VWA                  | <a href="#">Ask the Expert</a>                                                                                            | \$8,000     | \$6,183.75     |
| VVA                  | <a href="#">Virginia Commercial Grape Report</a>                                                                          | \$36,000    | \$21,810.48    |
| WRE                  | <a href="#">Virginia Winemakers Research Exchange 2021-2022</a>                                                           | \$167,150   | \$82,303.82    |
| Virginia Tech        | <a href="#">Application of Biocontrol Agent <i>Rhizobium vitis</i> ARK-1 at the Time of Grafting</a>                      | \$45,516    | \$44,509.02    |
| Virginia Tech        | <a href="#">Establishment of Virginia Sentinel Vineyard Network for Extension and Research</a>                            | \$23,000    | \$19,777.81    |
| Virginia Tech        | <a href="#">Grape Pathology Projects</a>                                                                                  | \$47,234    | \$47,204.50    |
| Virginia Tech        | <a href="#">Official Launching of grapeIPM.org with Collaboration Between VT and VVA</a>                                  | \$20,000    | \$7,797.45     |
| Virginia Tech        | Maintaining Fungicide Resistance Testing Capabilities for Grape Diseases and Follow-Up Tests on Cane-Infecting Fungi      | \$4,898     | \$4,898        |
| Virginia Tech        | Mealybug Species Composition and Management in Virginia Vineyards                                                         | \$55,738    | \$42,718.19    |
| Virginia Tech        | Viticulture Extension and Research Support                                                                                | \$42,291    | \$40,552.09    |
| Virginia Tech        | <a href="#">In Pursuit of Dry Petit Manseng: Understanding Petit Manseng Acid Chemistry (Poster)</a>                      | \$26,717.12 | \$26,652.47    |
| Virginia Tech        | <a href="#">Wine Acidity 201: Basics and Beyond</a>                                                                       | \$14,676    | \$9,294.21     |
| Virginia Tech        | Virginia-Grown Cider: Influence of Cultivar and Fermentation Strategies on Cider Chemistry, Flavor and Consumer Valuation | \$45,518    | \$45,501.27    |
| The Veraison Project | The Virginia Veraison Job Fair                                                                                            | \$2,500     | \$ -           |
| NGRA                 | NGRA Travel & Membership                                                                                                  | \$15,000    | \$10,600       |
| WRE                  | Enology Research Services Contract (6 of 18 Months)                                                                       | \$185,280   | \$150,985.53   |
| VWA                  | Governor's Cup Competition 2022 (contract)                                                                                | \$120,000   | \$120,000      |
| VWA                  | Governor's Cup Consumer Event 2022                                                                                        | \$40,000    | \$37,732.61    |
| Ringwood Boyd        | Virginia Wine Marketing Office (contract)                                                                                 | \$1,250,074 | \$1,198,635.50 |

## FY 20-21 PROJECTS

| Awardee | Title                                                         | Approved | Spent       |
|---------|---------------------------------------------------------------|----------|-------------|
| VVA     | Support for Virginia Vineyards Association Technical Meetings | \$25,000 | \$10,749.33 |
| VVA     | VVA Annual Meeting & Conference                               | \$25,000 | \$25,000    |
| VACM    | Winter & Summer Technical Meetings - Cider                    | \$7,500  | \$2,113     |
| VWA     | Governor's Cup Seminars 2021                                  | \$15,000 | \$15,000    |

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|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|
| VWA                  | Regulation Round-Ups and VWA Winery Resource Guide                                                                                                       | \$64,000    | \$64,000       |
| SMS Research         | <a href="#">Virginia Commercial Grape Report</a>                                                                                                         | \$35,900    | \$35,900       |
| NGRA                 | NGRA Travel & Membership                                                                                                                                 | \$15,000    | \$10,600       |
| WRE                  | Virginia Winemakers Research Exchange 2020-2021                                                                                                          | \$167,150   | \$139,909.17   |
| WRE                  | <a href="#">Calibrating Benchmarks for Virginia Grape and Wine Using Historic Data Sets</a>                                                              | \$25,000    | \$3,423.49     |
| PEAC                 | Virginia Winery Tasting Room Education & Training Program                                                                                                | \$24,190    | \$24,174.62    |
| Revelation Vineyards | Viticulture Training for High-School Students                                                                                                            | \$15,000    | \$ -           |
| Virginia Tech        | <a href="#">Improving Soil Testing to Better Predict Potassium Availability in Vineyard Soils</a>                                                        | \$13,168    | \$13,168       |
| Virginia Tech        | <a href="#">Spotted Lanternfly Affecting Virginia Vineyards: Determination of Expansion in Vineyard Areas, and Chemical Control Agents of Egg Masses</a> | \$56,836    | \$56,279.95    |
| Virginia Tech        | <a href="#">Mealybug Species Composition and Management in Virginia Vineyards</a>                                                                        | \$55,742    | \$45,645.27    |
| Virginia Tech        | Maintaining Fungicide Resistance Testing Capabilities for Grape Diseases and Follow-Up Tests on Cane-Infecting Fungi                                     | \$8,400     | \$8,399.98     |
| Virginia Tech        | <a href="#">Evaluation of Alternatives to Glyphosate for Vineyard Weed Control</a>                                                                       | \$27,000    | \$26,716.48    |
| Virginia Tech        | Grapeipm.org Phase 2: Grape Disease Management Decision Support System                                                                                   | \$18,000    | \$13,279.93    |
| Virginia Tech        | <a href="#">Grape Disease Management Projects</a>                                                                                                        | \$18,000    | \$17,865.80    |
| Virginia Tech        | Validate the Efficacy of Pre-Release Formulations of <i>Rhizobium vitis</i> ARK-1, a Biological Agent, against Crown Gall of Grape                       | \$52,000    | \$51,213.94    |
| Virginia Tech        | Virginia Cooperative Extension Assistance with Identifying Commercial Vineyards                                                                          | \$14,000    | \$2,230.26     |
| Virginia Tech        | Viticulture Extension and Research support                                                                                                               | \$49,238    | \$35,510.82    |
| Virginia Tech        | Enabling Relationship Building and Knowledge Transfer Between Industry Stakeholders and Enology Extension Personnel Through In-Person Interactions       | \$4,262     | \$ -           |
| Virginia Tech        | Establishment of Virginia Sentinel Vineyard Network for Extension and Research                                                                           | \$20,000    | \$8,798.03     |
| VWA                  | Governor's Cup Competition 2021 (contract)                                                                                                               | \$110,000   | \$110,000      |
| VWA                  | Governor's Cup Consumer Event 2021                                                                                                                       | \$40,000    | \$39,544.53    |
| Ringwood Boyd        | Virginia Wine Marketing Office (contract)                                                                                                                | \$1,402,350 | \$1,334,301.21 |

## FY 19-20 PROJECTS

| Awardee       | Title                                                                                                                                   | Approved  | Spent        |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|
| VVA           | Support for Virginia Vineyards Association Technical Meetings                                                                           | \$25,000  | \$24,354.06  |
| VVA           | VVA Annual Meeting & Conference for 2020                                                                                                | \$15,000  | \$15,000     |
| VACM          | Summer Meeting Technical Program for 2019 - Cider                                                                                       | \$4,000   | \$2,751.43   |
| VVA           | Governor's Cup Seminars 2020                                                                                                            | \$28,000  | \$28,000     |
| VVA           | Regulation Round-Ups and VVA Winery Resource Guide                                                                                      | \$63,500  | \$63,500     |
| VVA           | VVA Workforce Development Program                                                                                                       | \$6,000   | \$6,000      |
| SMS Research  | Grape Growers' Survey 2019-2020                                                                                                         | \$35,900  | \$35,900     |
| NGRA          | NGRA Travel & Membership                                                                                                                | \$15,000  | \$14,960.13  |
| WRE           | <a href="#">Virginia Winemakers Research Exchange 2019-2020</a>                                                                         | \$164,700 | \$144,842.55 |
| Virginia Tech | Validate the Efficacy of Pre-Release Formulations of <i>Rhizobium vitis</i> ARK-1, a Biological Agent, Against Crown Gall of Grape      | \$49,000  | \$43,831.06  |
| Lytos         | <a href="#">Green, Designer Enzymes to Eliminate Fungal Pathogens - Lytos Technologies</a>                                              | \$50,000  | \$50,000     |
| Virginia Tech | Establishment of Viticulture and Grape Pathology Research Vineyards                                                                     | \$40,312  | \$31,254.33  |
| Virginia Tech | <a href="#">Grape Disease Management Projects</a>                                                                                       | \$18,000  | \$16,366.36  |
| Virginia Tech | Grapeipm.org Phase 2: Grape Disease Management Decision Support System                                                                  | \$14,000  | \$13,259.49  |
| Virginia Tech | Maintain Fungicide Resistance Testing Capabilities for Grape Diseases and Follow-Up Tests on Cane-Infecting Fungi                       | \$17,891  | \$17,880.15  |
| Virginia Tech | Causes and Potential Management Tools for Macrophoma Rot                                                                                | \$57,992  | \$48,818.46  |
| Virginia Tech | Virginia-grown Cider: How do Cultivar and Fermentation Strategies affect Cider Chemistry, Flavor and Consumer Valuation of the Product? | \$50,406  | \$45,293.15  |
| Virginia Tech | <a href="#">Mealybug Species Composition and Management in Virginia Vineyards</a>                                                       | \$54,911  | \$54,258.81  |
| Virginia Tech | <a href="#">Viticulture Extension and Research Support</a>                                                                              | \$48,360  | \$46,580.35  |
| VVA           | VVA Re-obligation of Meeting Funds from Previous Year                                                                                   | \$15,000  | \$15,000     |
| WRE           | Developing an Employer's Training Resource for Seasonal and Part Time Cellar Workers.                                                   | \$8,000   | \$7,998.33   |

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|----------------------|------------------------------------------------------------------------------------------------------------------|-------------|----------------|
|                      | [Cellar Handbook in <a href="#">English</a> and in <a href="#">Spanish</a> ]                                     |             |                |
| Virginia Tech        | Training Winemakers in Descriptive Sensory Analysis Using Easily Accessible Standards from the Whine Aroma Wheel | \$9,660     | \$6,672.50     |
| Revelation Vineyards | Viticulture Training for High-School Students                                                                    | \$8,250     | \$1,700.12     |
| VWA                  | Governor's Cup Competition 2020 (contract)                                                                       | \$99,500    | \$99,500       |
| VACM                 | Rebranding of Cider Week Virginia & Virginia Cider                                                               | \$26,500    | \$21,479.35    |
| Ringwood Boyd        | Virginia Wine Marketing Office (contract)                                                                        | \$1,434,575 | \$1,422,820.35 |