

## 2009 Viticulture Research Priority Survey Results

1) Level of Importance Score - column 1 shows a ranked order of average scores after respondents assigned a level of research importance to each issue (3 = high; 2 = medium; 1 = low)

2) Top Five Priority - column 2 shows the percentage of respondents that chose each issue as a top 5 research priority.

Level of Importance	Top 5 Priority	Priority Issue (ranked by research importance score)
2.63	34.1%	Rootstock Evaluation / Resistance to Pests and Disease through Rootstock Breeding
2.58	43.2%	Mealybug and Mealybug Control / Virus Transmission via Mealybug
2.49	42.2%	Impact of Viticultural Practices on Fruit Composition and Flavor
2.45	15.1%	Scion Improvement / Cultivar and Clone Selection and Evaluation
2.42	30.1%	Vine Nutrient Levels and Critical Requirements / Scion X Rootstock Interaction on Plant Nutrient Status
2.41	23.1%	Pierces Disease / Glassy Winged Sharpshooter / Blue Green Sharpshooter
2.31	15.1%	Methods for Monitoring Plant and Soil Water Status
2.30	18.1%	Beneficial Insects and Biological Pest Control
2.29	23.1%	Eutypa and Other Grapevine Cankers
2.25	9.0%	Canopy Development and Vine Physiology
2.23	16.1%	Methods for Monitoring Fruit Ripening and Maturity
2.21	21.1%	Integrated Soil Health Management
2.16	14.1%	Nematodes
2.13	4.0%	Soil and Climate Evaluation Methods
2.13	10.0%	Regulation of Bud Fruitfulness and Fruit Set
2.09	8.0%	Bunch Rots
2.09	9.0%	Fanleaf Virus
2.09	14.1%	Graft Transmissible Diseases / Latent Virus Issues
2.07	17.1%	Integrated Weed Management / Non- Chemical Weed Control
2.07	7.0%	DNA Based Diagnostics of Vine Diseases and Stresses
2.06	12.0%	Environmental Effects on Fruit Development and Composition
2.04	16.1%	Powdery Mildew/Use of Weather Data and Models for Integrated Disease Management
2.04	5.0%	Improved Pesticide Application Technology
2.02	6.0%	Pruning / Determining Optimum Pruning Levels / Balanced Pruning
2.00	7.0%	Mites
1.99	6.0%	Development of Pest Economic Injury Thresholds for Timing of Pesticide Applications
1.96	3.0%	Omnivorous Leafroller / Orange Tortrix / Light Brown Apple Moth
1.91	8.0%	Methods for monitoring and managing problems in existing vineyards
1.89	4.0%	Evaluation of Vine Training and Trellising Systems
1.89	4.0%	Alternatives to Methyl Bromide
1.87	5.0%	Vineyard Fungicide Effects on Fermentation and Wine Defects
1.82	8.0%	Regulation of Photosynthesis and Carbon Partitioning / Carbon Sequestration in Vines and Vineyard Soils
1.80	6.0%	Vertebrate Pests / Gophers / Voles / Coyotes / Birds
1.80	5.0%	Assessing Vineyard Variability / GPS and GIS Applications
1.79	5.0%	Vineyard Design and Row Orientation
1.78	2.0%	Conventional Cultivation and Weed Control
1.75	11.0%	Organic Farming Systems and Practices
1.74	2.0%	Measles
1.74	3.0%	Leafhoppers
1.73	5.0%	Oakroot Fungus
1.64	2.0%	Harvesting
1.59	1.0%	Crown Gall

### Biotechnology Question Results:

Support Biotechnology/Gene Modification Research: (84% favorable support)

Favor Using Genetically Enhanced Materials/Products (72% favorable support)

Biotechnology Research Priority Level: 2.21 (importance level: high = 3; medium = 2; low = 1)