



Name and describe hybrid varieties.

Identify sources and availability of desirable varieties in your region.
Identify most prevalent diseases in your region.
Establish differences between winter hardiness indexes used by nurseries.
Locate individual site in the USDA Plant Hardiness Zone Index.
Distinguish between grafted and non-grafted grape vines.

Establish differences between common commercial varieties.
Differentiate between French-American hybrids and vinifera.
Determine disease susceptibility of commercial grape varieties in specific regions.

Identify and describe six major vineyard pests.
Identify and describe six major grape diseases.
Describe three pest control methods of identified pests and diseases.
Describe organic control methods.
List the requirements of the state pesticide use certification program in your state.
Demonstrate the proper interpretation of pesticide labels as they apply to legal and civil issues.

Take a soil sample according to the recommendations of the Soil Testing Lab in a specified state.
Measure pH on samples from around a specified vineyard.
Identify pH variation in the soil of a specified vineyard.
Describe the process of implementation of a soil fertility plan, including timing and application methods.

Demonstrate the ability to read a compass and topographical maps.
Identify magnetic and geographical north.
Identify air and soil drainage patterns.
Produce a vineyard plan that includes layout diagram, number of vines, hardware, and training trellis.
Evaluate slope and aspect.
Identify appropriate pre-planting site preparation.

Identify and describe three trellis systems.
Compare and contrast spring and fall planting practices.
Demonstrate the ability to calculate number of vines per acre as a function of vine spacing and row spacing.
Determine the total length of fruit of vine

Differentiate between trunk, cordon, shoots, suckers, fruiting spurs,