

NY Sustainable Viticulture Workbook Scorecard

_____ Grower ID & Date: _____

Vineyard Management

Plant Material and Planting

- Is certified plant material used for vinifera/hybrid selection where possible?
- Are the variety and rootstock appropriate for the given site?
- Is fungal resistance considered when selecting varieties for planting?
- Is the row orientation appropriate for the site?

Vineyard Management

- Does a map of the vineyard exist?
- Are there on-farm experiments evaluating plant materials or trellising options?
- Is the training system appropriate for the site and variety/rootstock?
- Is vine size monitored?
- If vines are unbalanced, are steps taken to increase or decrease vigor?
- Is shoot density appropriate?
- Is shoot positioning done in a timely manner?
- Are the canopy manag practices of leaf removal and hedging done properly?

Crop Management

- Is the yield appropriate for the vineyard block?
- Is crop thinning done in a thorough and conscientious manner?
- Is yield estimated properly?

Maintaining Vineyard Profitability

- Are grafted vines hilled up in regions prone to damaging winter temps?
- Are missing vines counted and replaced regularly?
- Are adequate production records kept to evaluate vineyard profitability?

Irrigation Management

- Is there off-site water movement?
- What type of irrigation do you use?

Irrigation System Maintenance

- Do you check for distribution uniformity?
- Is routine maintenance performed on the irrigation system?
- Is a flow meter installed?

Irrigation Scheduling

- Is the soil's water holding capacity used in setting irrigation schedules?
- Are monitoring devices used to determine irrigation schedule?
- What factors are used to determine the length of time for irrigation?

Nutrition Management

Monitoring Nutrient Status

- Is tissue analysis done on a regular basis?
- Is soil analysis done on a regular basis?

Nitrogen (N) Management Practices

- What criteria are used to determine the rate of N fertilization?
- What is the total amount of suppl N fertilizer applied from all sources?
- Is contribution of N from organic sources considered?
- Are different rates/timing of N fertilization tried to reduce overall N use?
- Are organic fertilizers used?
- When is N fertilizer soil-applied in spring?
- If N fert is soil-applied during the post-harvest period, what criteria are used?
- In irrigated vineyards, how is N fertilizer applied?
- If foliar N is used, when is it applied?

Macronutrient Management Practices

Is biodiversity of soil microorganisms considered in soil manag decisions?
How is pomace utilized?

Weed Management

Is vineyard monitored and mapped for weeds?
What percent of permanent ground cover lies between rows?
Are non-chemical weed management techniques being used?
In planning a weed control program, how are control methods/rates chosen?
Are leaching pot & soil char considered in choosing soil-applied herbicides?
What type of herbicide sprayer is used?
Is the herbicide sprayer calibrated properly?
Are residual herbicides rotated to reduce the potential for resistant weeds?
Is amount of spring residual herbicide adjusted based on soil charact?
What type of postemergent herbicides are used?
How often are postemergent herbicides applied?
Is spot treat of weeds used to reduce amount of postemergent herbicides?

Pest Management

Pesticide Application Equipment

What type of canopy sprayer is used?
Are the selected nozzles appropriate for use? Are they replaced when worn?
Is the canopy sprayer calibrated properly?
Are environmental conditions considered before deciding to spray?
Is the canopy sprayer maintained properly?

Pruning and Dormant Vineyard Practices

Is pruning done in a way to minimize overwintering pathogens and insects?
Can the vineyard manager identify Eutypa dieback symptoms?
Can the vineyard manager identify symptoms of crown gall infection?
Are dormant fungicide sprays applied?

Disease Management

Are canopy manag practices followed to min fungal disease pressure?
When planning disease manag program, is block history taken into account?
Can VM identify fungal and viral disease symptoms on shoots/leaves/fruit?
How are virus-infected vines dealt with?
Is scouting done for fungal and viral diseases?
Does VM provide or arrange for training of staff in disease and insect ID?
Are fungicides with low leaching potential selected for use?
When possible, reduced risk/min risk/org fungicides or biopesticides used?
Is a Botrytis control program in place for susceptible varieties?

Insect and Mite Management

Can the VM identify insect and mite pests and the damage they cause?
Are dormant miticide sprays applied?
Does scouting for insect and mite pests take place?
Are insect/mite thresholds considered when making a treatment decision?
Is spot treatment used for insect/mite infestations?
When prac, reduced risk/min risk/org insect/miticides or biopesticides used?
Is impact on ERM predators considered when making a treat decision?
Are mancozeb/maneb used in a way to minimize impact on ERM predators?

Pesticide Management

Pesticide Storage

What type of storage shelving is in place?
What is the condition of the floor in the pesticide storage area?
What security measures are taken at the storage area?

What is the storage duration of the pesticides?

What is the condition of the containers?

Mixing and Loading Practices

What is proximity of the mixing/loading area to wells and watercourses?

Is a spill kit available?

How are spills handled?

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What type of mixing and loading area is used?

What's water source for pesticide applic? Is anti-backflow device in place?

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Is filling supervised by a certified applicator?

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How is sprayer cleaned, and how is rinsate disposal handled?

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Is an inspection and emergency plan in place?

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Pesticide Containers

How is disposal of pesticide containers handled?

What type of pesticide containers are purchased?

Pesticide Use

What is done with unwanted or banned pesticides?

What is the distance of spray application from water bodies?

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How well are records kept?

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Continuing Education

Does the vineyard manager have these essential publications?

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Does the vineyard manager have any of these useful publications?

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Does the vineyard manager subscribe to industry newsletters?

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Does the vineyard manager subscribe to trade magazines?

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Does the vineyard manager attend grower meetings?

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Does VM attend other meetings, specifically pest/pesticide management?

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