

Qualtrics link: [https://oregonstate.qualtrics.com/jfe/form/SV\\_1WUwiAzAtd47B0a](https://oregonstate.qualtrics.com/jfe/form/SV_1WUwiAzAtd47B0a)

<https://beav.es/TQp>

### WSARE 2023 Vineyard cover crop survey

1. Indicate your employment in relation to the wine grape industry:
  - a. Vineyard owner
  - b. Vineyard manager
  - c. Winery owner/manager
  - d. Winemaker
  - e. Vineyard Consultant
  - f. Field Representative
  - g. Other (please specify)
  
2. Provide the location (city and state) of the vineyards you or your organization manages. If you have multiple sites, list all locations.
  
3. Please indicate the total vineyard acreage you or your organization manages:
  - a. <5 acres
  - b. 5-10 acres
  - c. 11-20 acres
  - d. 21-50 acres
  - e. 51-100 acres
  - f. 101- 200 acres
  - g. > 200 acres
  
4. Please indicate in which of the following American Viticultural Areas (AVAs) you or your organization manages vineyards:
  - a. Walla Walla Valley
  - b. The Rocks District of Milton-Freewater
  - c. Other (please specify)
  
5. Do any of your vineyards have **very rocky or cobbly soils**, either within or outside of the Rocks District of Milton-Freewater AVA?
  - a. Yes
  - b. No
  - c. Unsure
  
6. Rate your knowledge of vineyard cover crop use from 1 to 5 (1 = I don't feel at all knowledgeable, 5 = I feel very knowledgeable).

7. Rate your openness to using cover crops or resident/native vegetation in the vineyard(s) you or your organization manages from 1 to 5 (1 = not at all open, 5 = very open).
8. In the vineyards you or your organization manages, are cover crops or resident/native vegetation used at any time of the year?
  - a. Yes
  - b. No
  - c. Both
  - d. Unsure
9. If a cover crop or resident/native vegetation is maintained at any time of the year, is this vegetation generally a:
  - a. Mix of planted cover crop species
  - b. Single planted cover crop species
  - c. Resident/native vegetation
  - d. N/A
10. For your vineyards with **very rocky or cobbly soils** (within or outside of the Rocks District of Milton-Freewater AVA), are cover crops or resident/native vegetation used at any time of the year in these vineyards?
  - a. Yes
  - b. No
  - c. Both
  - d. Unsure
11. For your vineyards with **very rocky or cobbly soils** (within or outside of the Rocks District of Milton-Freewater AVA), please rate your openness to using cover crops or resident/native vegetation in these vineyards from 1 to 5 (1 = not at all open, 5 = very open).
12. In the vineyards you or your organization manages, how are weeds controlled **within the vine row**?
  - a. Herbicide strip
  - b. In-row cultivation
  - c. In-row mowing
  - d. No weed control
  - e. Other (please specify)
13. In the vineyards you or your organization manages, is vegetation **between vine rows** (i.e., alleyway) maintained at any time of the year, whether planted cover crops or resident/native vegetation?
  - a. Yes
  - b. No
  - c. Both
  - d. Unsure

14. In the space below, indicate the known species of planted cover crops or resident/native vegetation used for **between vine row** (i.e., alleyway) coverage in your vineyard sites.
15. Which practices best describe how **between vine row** vegetation is managed in young vineyards (i.e. <3 years old)?
- Vegetation is left undisturbed (no tillage, mowing, or herbicide)
  - No cover year-round (tilled or herbicide)
  - Winter annual cover crop that is tilled in spring and cultivated throughout season
  - Perennial cover crop that is mowed during the season
  - Resident/native vegetation that is tilled in spring and cultivated throughout the season
  - Resident/native vegetation that is mowed throughout the season.
  - Other (please specify)
16. If vegetation IS NOT maintained between vine rows in **young** (i.e., <3 years old) vineyards year-round, (i.e., tilled or herbicide) which of the following best describe management goals?
- Decrease competition with vines for nutrients
  - Decrease competition with vines for soil moisture
  - Reduce risk of frost damage
  - Control weeds
  - Control pests
  - Change grape or wine quality
  - Other (please specify)
17. If vegetation IS maintained year-round between vine rows in young vineyards, which of the following best describe management goals?
- Prevent soil erosion
  - Improve soil structure
  - Regulate vine growth
  - Manage soil water
  - Suppress or compete with weeds
  - Provide nutrients or organic matter to vines.
  - Increase traction for machinery/labor
  - Enhance biodiversity
  - Change grape or wine quality
  - Provide neat or attractive aesthetic
  - Other (please specify)
18. Which practices best describe how **between vine row** vegetation is managed in **mature** vineyards (i.e., >5 years old)?
- Vegetation is left undisturbed (no tillage, mowing, or herbicide)
  - No cover year-round (tilled or herbicide)

- c. Winter annual cover crop that is tilled in spring and cultivated throughout season
- d. Perennial cover crop that is mowed during the season
- e. Resident/native vegetation that is tilled in spring and cultivated throughout the season
- f. Resident/native vegetation that is mowed throughout the season.
- g. Other (please specify)

19. If vegetation IS NOT maintained between vine rows in **mature** (i.e., >5 years old) vineyards year-round, (i.e., tilled or herbicide) which of the following best describe management goals?

- a. Decrease competition with vines for nutrients
- b. Decrease competition with vines for soil moisture
- c. Reduce risk of frost damage
- d. Control weeds
- e. Control pests
- f. Change grape or wine quality
- g. Other (please specify)

20. If vegetation IS maintained between vine rows in **mature** (i.e., >5 years old) vineyards year-round, (i.e., tilled or herbicide) which of the following best describe management goals?

- a. Prevent soil erosion
- b. Improve soil structure
- c. Regulate vine growth
- d. Manage soil water
- e. Suppress or compete with weeds
- f. Provide nutrients or organic matter to vines.
- g. Increase traction for machinery/labor
- h. Enhance biodiversity
- i. Change grape or wine quality
- j. Provide neat or attractive aesthetic
- k. Other (please specify)

21. Where have you obtained most of your information about your vineyard cover crop or weed management methods? (check all that apply)

- a. County Extension Agent (e.g., OSU, WSU)
- b. University research or publications (e.g., OSU, WSU)
- c. Course work (e.g., community college or university)
- d. Crop consultants or agricultural sales representatives
- e. Other industry members
- f. Other (please specify)

22. How interested are you in learning more about vineyard cover crops from 1 to 5 (1 = not interested, 5 = very interested)?

23. Please share any other relevant information related to you or your organization's vineyard cover cropping practices or vineyard floor management goals below.