

***** EXAMINATION *****

PASSIVE FROST PROTECTION OF TREES AND VINES

1. **Frost management of your orchard or vineyard is called:**
 - a) passive protection
 - b) non-passive protection
 - c) strong protection
 - d) none of above

2. **A type of frost that can occur is**
 - a) advection frost
 - b) radiation frost
 - c) yellow frost
 - d) both A and B

3. **When freezing air blows into the area of warm air**
 - a) radiation frost is created
 - b) yellow frost is created
 - c) advection frost is created
 - d) none of above

4. **A frost characterized by light winds is**
 - a) radiation frost
 - b) advection frost
 - c) yellow frost
 - d) none of above

5. **Evaporation rates are low during:**
 - a) four night
 - b) frost nights
 - c) hot nights
 - d) hot days

6. **A primary objective of passive frost protection is to:**
 - a) maximize heat conduction into the soil during the evening
 - b) maximize heat conduction into the soil during the day
 - c) maximize heat conduction into the water during the day
 - d) maximize heat conduction into the soil during the night

7. **It is best to keep the ground cover short by:**
- a) mowing or through use of chemicals
 - b) cultivation
 - c) both A and B
 - d) none of above
8. **Ground cover slows transfer of heat from the soil to the:**
- a) crop at night
 - b) corn at night
 - c) cold at night
 - d) cool at night
9. **Good floor management is important at the beginning of:**
- a) frost season for oak trees
 - b) frost season for deciduous vines
 - c) frost season for deciduous trees
 - d) both B and C
10. **Floor management is always important for:**
- a) frost protection of citrus trees
 - b) heat protection of fig trees
 - c) wind protection of apple trees
 - d) none of above
11. **A bacteria present on most tree and vine crops is**
- a) ice-crystals
 - b) ice-nucleating
 - c) ice-prisms
 - d) ice-box
12. **Ground covers are responsible for the spread of**
- a) wind
 - b) water
 - c) bacteria
 - d) blooms
13. **It is best to flood the entire area to prevent:**
- a) frost
 - b) heat
 - c) air
 - d) wind
14. **Energy is transferred to or from the soil on a:**
- a) per-cubic foot
 - b) per-unit area basis
 - c) per-mile
 - d) per-inch

15. **During a frost you apply water to the soil for:**
- a) passive frost protection
 - b) to freeze the ground
 - c) to freeze the crop
 - d) to freeze the soil
16. **To avoid frost in a orchard you should plant:**
- a) upwind from trees
 - b) upwind from vines
 - c) downwind from trees or vine crops
 - d) none of above
17. **It is best to plant on a:**
- a) slope
 - b) top of a hill
 - c) top of a mountain
 - d) pond
18. **Fog will usually develop in the:**
- a) spotty spots
 - b) cold spots
 - c) hot spots
 - d) good spots
19. **Obstacles that cause cold spots are:**
- a) raised road beds
 - b) buildings
 - c) vegetation
 - d) all of above
20. **Delaying the development of leaves will reduce the risk of:**
- a) frost damage
 - b) double damage
 - c) first damage
 - d) none of above

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FILL IN ONE BOX FOR EACH ANSWER.

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I hereby certify that I studied the course materials, and the above answers are my own. No one has helped me to complete this exam.

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