

Appendix B: Educator Pre- and Post-Test

1. The optimum soil pH range for blueberries is:
 - 4.2 to 4.5
 - 5.5 to 6.0
 - 6.0 to 6.5
 - 6.5 to 7.0
 - Don't know
2. Changes in soil pH by adding sulfur or lime generally take effect:
 - <3 months after application
 - ≈6 months after application
 - >12 months after application
 - Don't know
3. The best form of nitrogen to apply to blueberries is:
 - Nitrate
 - Nitrite
 - Ammonium
 - Don't know
4. Raspberries often display nutrient deficiency or excess symptoms in the field.
 - True
 - False
 - Don't know
5. Strawberries should be fertilized in spring before berry set.
 - True
 - False
 - Don't know
6. Optimum soil organic matter content for berry crops is:
 - Less than 3%
 - Greater than 3%
 - Soil organic matter is not a critical factor in to berry crop production
 - Don't know
7. The best soil for strawberry production is a well-drained sandy loam.
 - True
 - False
 - Don't know
8. Soil tests attempt to estimate the amount of plant-available nutrients in the soil, not the total amount of nutrients in the soil.

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- True
 - False
 - Don't know
9. Clays and soils high in organic matter have higher nutrient holding capacity, while sands have a lower nutrient holding capacity.
- True
 - False
 - Don't know
10. Nutrient levels in berry plant tissue will always mirror nutrient levels found in soil.
- True
 - False
 - Don't know
11. The recommended pH for bramble plantings (raspberries and blackberries) is:
- 4.2 to 4.5
 - 5.5 to 6.0
 - 6.0 to 6.5
 - 6.5 to 7.0
 - Don't know
12. It is rare for a single foliar nutrient to be deficient in berry crops; often multiple deficiencies occur simultaneously.
- True
 - False
 - Don't know
13. The best time to collect berry leaves for foliar analysis is:
- March
 - May
 - July
 - December
 - Don't know
14. Soil tests provide accurate results for all essential mineral nutrients, while foliar analysis does not.
- True
 - False
 - Don't know
15. Visual diagnosis of berry crop nutrient problems is accurate and precise.
- True
 - False
 - Don't know
16. The recommended pH level for strawberries is:
- 4.2 to 4.5

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- 5.5 to 6.0
 - 6.0 to 6.5
 - 6.5 to 7.0
 - Don't know
17. A combination of soil testing, tissue analysis and observation of crop response is the best approach to assessing berry crop nutrient status.
- True
 - False
 - Don't know
18. Soil health may be improved by frequent cultivation to improve soil drainage.
- True
 - False
 - Don't know
19. Characteristics of a health soil include: (check all that apply)
- Good soil tilth
 - Sufficient depth
 - An excessive supply of nutrients
 - A small population of micro-organisms
 - Don't know
20. Soil and leaf samples for testing should be collected in a V- shaped sampling pattern across the entire planting.
- True
 - False
 - Don't know