

This *Journal of Forestry* quiz is approved for 4.0 continuing forestry education (CFE) hours in Category 1-CF by the Society of American Foresters. Successful completion of the self-assessment, defined as a cumulative score of at least 70%, is required to earn CFE credit. CFE approval is valid for one year from the issue date of publication and participants may submit the quiz at any time during that period.

The quiz contains questions from these 5 articles:

*An Analysis of Costs and Cost Trends for Southern Forestry Practices*

*Increasing Atmospheric CO<sub>2</sub> Concentration Alters Stand Development in Trembling Aspen Forests: Are Outdated Density Management Guidelines in Need of Revision for All Species?*

*Landowner Perspectives on Reforestation following a High-Severity Wildfire in California*

*An Initial Look at Contracted Wildfire Response Capacity in the American West*

*History, Highlights, and Perspectives of Southern Upland Hardwood Silviculture Research*

1. As discussed by Callaghan et al., what factors other than labor costs have likely increased the cost of controlled burning?
  - a) Increased liability and regulation
  - b) Increased use of the practice and higher demand for contractors
  - c) Decreased parcelization and forest fragmentation
2. The literature supports which of the following as having a large impact on declines in herbicide application costs according to Callaghan et al.?
  - a) Restriction of 2,4,5-T for forestry use in 1979
  - b) Labeling of new chemicals for forestry use and chemical patent expiration
  - c) Demand for forest products
3. Which aspects of tree size-density relationships in forest stands are potentially changed due to CO<sub>2</sub> enrichment according to Kubiske et al.?
  - a) Size-density slopes only
  - b) Both slopes and intercepts of the size-density relationship
  - c) Increasing soil resources and light interception
4. Kubiske et al. suggest stand stocking indices in current use may be outdated because the stands from which they were derived grew in atmospheric environments far different from today. How old are the stocking chart and models presently used by FIA for *Pinus strobus*, not counting the additional decades of age over which time these reference stands grew?
  - a) 104 years
  - b) 175 years
  - c) 202 years
5. As described by Waks et al., the purpose of all Greenhouse Gas Reduction Fund (GGRF) projects is best described by which of the following?
  - a) Ensure a fire-resistant future forest that is diverse in structure and composition
  - b) Manage future tree density to accelerate development of large trees and maintain understory shrub diversity
  - c) Ensure California's forests continue to be a significant carbon storage "sink"
6. The term 'solastalgia' as discussed in Waks et al. is used to describe a:
  - a) form of psychological distress specific to environmental change.
  - b) powerful motivator for private landowners to implement climate-adapted reforestation.
  - c) desire to transform the landscape where one resides to be more aesthetically comforting.
7. As presented in the Huber-Stearns et al. brief communication, what is VIPR?
  - a) A system whereby private contractors are guaranteed a certain amount of fire suppression work in a given season
  - b) A system the US Forest Service uses to solicit, award, and manage pre-season fire suppression agreements
  - c) An interagency system used by decentralized dispatch centers to accomplish geographic area coordination in the use of fire suppression resources
8. In the areas studied by Huber-Stearns et al., which had only 12% of the equipment?
  - a) Southern California and Great Basin
  - b) Southwest and Rocky Mountain
  - c) Northern California and Southern California
9. As reviewed by Schweitzer, research on oak systems has shown:
  - a) oak reproduction is competitive with other tree species on highly productive sites.
  - b) oak regeneration is driven by understory light levels.
  - c) competitive oak seedlings readily establish after a disturbance.

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10. Schweitzer concludes that long-term research in hardwood systems:
- a) recommends removing fire as a silviculture tool.
  - b) is needed for more accurate use of fire in silviculture prescriptions.
  - c) has answered questions regarding fire and oak regeneration over long rotation lengths.

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