

# QUICKIE-QUIZ

## Post-emergence weed control

ED. NOTE: Answers to all questions can be found in this month's Post-emergence Weed Control Guides for Warm and Cool Season Grasses.

1. Unlike pre-emergence herbicides, post-emergence control products can be applied as "spot treatments" or on an "as needed" basis, directly to a weed infestation.
  - a. true
  - b. false
2. Even low rates of most post-emergence herbicides are harmful to newly-sprigged or sodded warm-season turfgrasses.
  - a. true
  - b. false
3. Which of the following have a good tolerance to MSMA and DSMA:
  - a. carpetgrass
  - b. centipedegrass
  - c. bermudagrass
  - d. St. Augustinegrass
4. Mowing schedules need to be coordinated with post-emergence herbicide applications. A general recommendation is to delay mowing:
  - a. one day before or after application
  - b. three to four days before or after application
  - c. 48 hours before application
5. Two applications of MSMA + Sencor are necessary to control goosegrass. The best interval is:
  - a. three to four days
  - b. five to seven days
  - c. two to three weeks
  - d. seven to 10 days
6. The tolerance of warm-season turfgrasses to post-emergence herbicides decreases at air temperatures greater than:
  - a. 75 degrees
  - b. 85 degrees
  - c. 90 degrees
7. Single applications at high rates generally cause more turfgrass injury than repeat applications at low rates.
  - a. true
  - b. false
8. The effectiveness of most post-emergence herbicides is better when rainfall or irrigation does not occur for \_\_\_\_\_ hours after application.
  - a. eight to 10
  - b. 10 to 12
  - c. six to 24
  - d. 48
9. Established dallisgrass can be controlled in bermudagrass or zoysiagrass with repeat applications of:
  - a. 2,4-D
  - b. Sencor
  - c. MSMA or DSMA
  - d. Image
10. \_\_\_\_\_ can be used in warm-season turfgrasses for yellow and purple nutsedge control.
  - a. DSMA
  - b. Sencor
  - c. 2,4-D + diclorprop
  - d. Image
11. Roundup is classified as a:
  - a. amine
  - b. ester
  - c. non-selective
  - d. surfactant
12. Why are amines most effective when used in the spring?
  - a. the price is low during spring
  - b. the product is less volatile
  - c. the weed is most susceptible to control
13. According to research, Dimension's ability to control crabgrass declines:
  - a. when the temperature rises
  - b. when tillers number four or more
  - c. under high humidity
  - d. when spray volume is low
14. Nyctinasty refers to:
  - a. A leaf's reaction to light
  - b. The ability of a plant to absorb chemicals
  - c. The chemical similarity between esters and amines
15. The LD<sub>50</sub> of Roundup is:
  - a. 5600 mg/kg
  - b. 7200 mg/kg
  - c. 1500 mg/kg
  - d. 4700 mg/kg
16. The more lipophilic the leaf surface:
  - a. The prettier it looks
  - b. the easier it is to apply chemicals
  - c. the more difficult it is to retain water droplets
  - d. the more resistant it is to disease

ANSWERS: 1.a; 2.b; 3.c; 4.b; 5.d; 6.c; 7.a; 8.c; 9.c; 10.d; 11.c; 12.c; 13.b; 14.a; 15. b; 16. c