

JEH QUIZ

FEATURED ARTICLE QUIZ #6

Spatial Analysis of the Impact of “Do Not Spray” Areas on Mosquito Adulticiding in the Suburbs of Northwest Chicago, Illinois

Available to those with an active National Environmental Health Association (NEHA) membership, the *JEH* Quiz is offered six times per calendar year and is an easily accessible way to earn continuing education (CE) contact hours toward maintaining a NEHA credential. Each quiz is worth 1.0 CE.

Completing quizzes is now based on the honor system and should be self-reported by the credential holder. Quizzes published only during your current credential cycle are eligible for CE credit. Please keep a copy of each completed quiz for your records. CE credit will post to your account within three business days.

Paper or electronic quiz submissions will no longer be collected by NEHA staff.

INSTRUCTIONS TO SELF-REPORT A *JEH* QUIZ FOR CE CREDIT

1. Read the featured article and select the correct answer to each *JEH* Quiz question.
2. Log in to your MyNEHA account at <https://neha.users.membersuite.com/home>.
3. Click on Credentials located at the top of the page.
4. Select Report CEs from the drop-down menu.
5. Enter the date you finished the quiz in the Date Attended field.
6. Enter 1.0 in the Length of Course in Hours field.
7. In the Description field, enter the activity as “*JEH* Quiz #, Month Year” (e.g., *JEH* Quiz 6, May 2022).
8. Click the Create button.

JEH Quiz #4 Answers January/February 2022

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|------|------|------|-------|
| 1. a | 4. c | 7. d | 10. b |
| 2. d | 5. d | 8. c | 11. b |
| 3. a | 6. b | 9. a | 12. c |

→ Quiz effective date: May 1, 2022 | Quiz deadline: August 1, 2022

1. According to the Centers for Disease Control and Prevention, a total of ___ human cases of West Nile virus (WNV) infection were reported from 1999–2020.
 - a. 42,532
 - b. 52,532
 - c. 62,532
 - d. 72,532
2. Cook County, Illinois, is the only county east of the Mississippi River to have an annual human WNV case count of ___ every year from 2012–2018.
 - a. >18
 - b. >19
 - c. >20
 - d. >21
3. Adulticide application is an effective tool to reduce mosquito populations and the spread of WNV, especially when transmission could be at an outbreak level.
 - a. True.
 - b. False.
4. Mosquito abatement districts can conduct adult mosquito control but are committed to using it as a last resort, preferring to focus on
 - a. larval control.
 - b. breeding source reduction.
 - c. public education.
 - d. all the above.
 - e. none of the above.
5. The current Northwest Mosquito Abatement District (NWMAD) do not spray (DNS) policy for residents includes anyone who makes a personal request, regardless of the reason.
 - a. True.
 - b. False.
6. DNS sites include
 - a. residential properties.
 - b. beehive locations.
 - c. natural areas.
 - d. a and c.
 - e. all the above.
7. The article assessed the effect of residential DNS areas at the township level in
 - a. the percentage of residential DNS parcels in the township.
 - b. the percentage of residential DNS acreage in the township.
 - c. the percentage of each township occupied by DNS parcels.
 - d. all the above.
 - e. none of the above.
8. The percentage of acreage lost due to natural areas (i.e., Forest Preserve Districts and Nature Preserve Areas) within NWMAD is
 - a. 11.66%.
 - b. 12.66%.
 - c. 13.73%.
 - d. 13.83%.
9. The percentage of acreage lost due to the DNS policy is almost ___ of the total area within NWMAD.
 - a. 12%
 - b. 13%
 - c. 14%
 - d. 15%
10. The study found 90% of the residential DNS acreage in two townships:
 - a. Barrington and Palatine.
 - b. Barrington and Hanover.
 - c. Hanover and Schaumburg.
 - d. Palatine and Schaumburg.
11. The study found that the DNS decision of 137 residents negatively affects ___ other residential homes that thereby receive reduced or no adulticide treatment.
 - a. 2,147
 - b. 3,147
 - c. 4,147
 - d. 5,147
12. Between 2015 and 2018, 65 people requested to be added to the NWMAD DNS list, which represents a ___ increase since 2014.
 - a. 22%
 - b. 32%
 - c. 42%
 - d. 52%