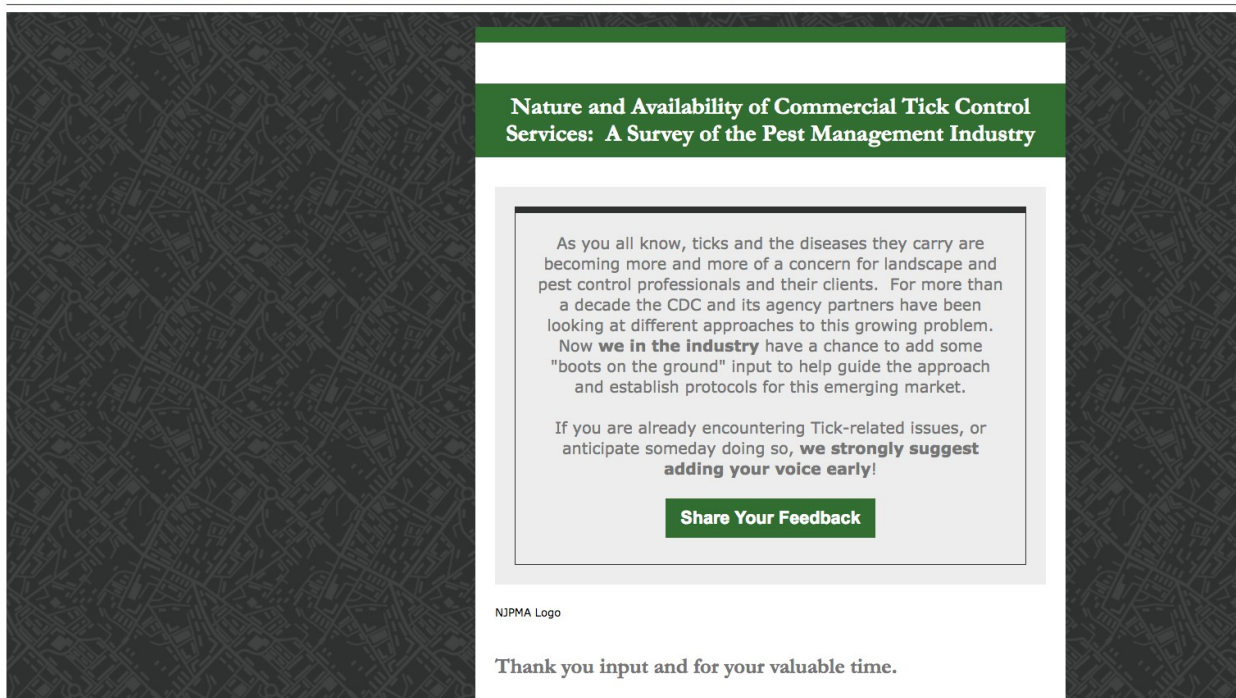


Introductory email message:



**Nature and Availability of Commercial Tick Control Services: A Survey of the Pest Management Industry**

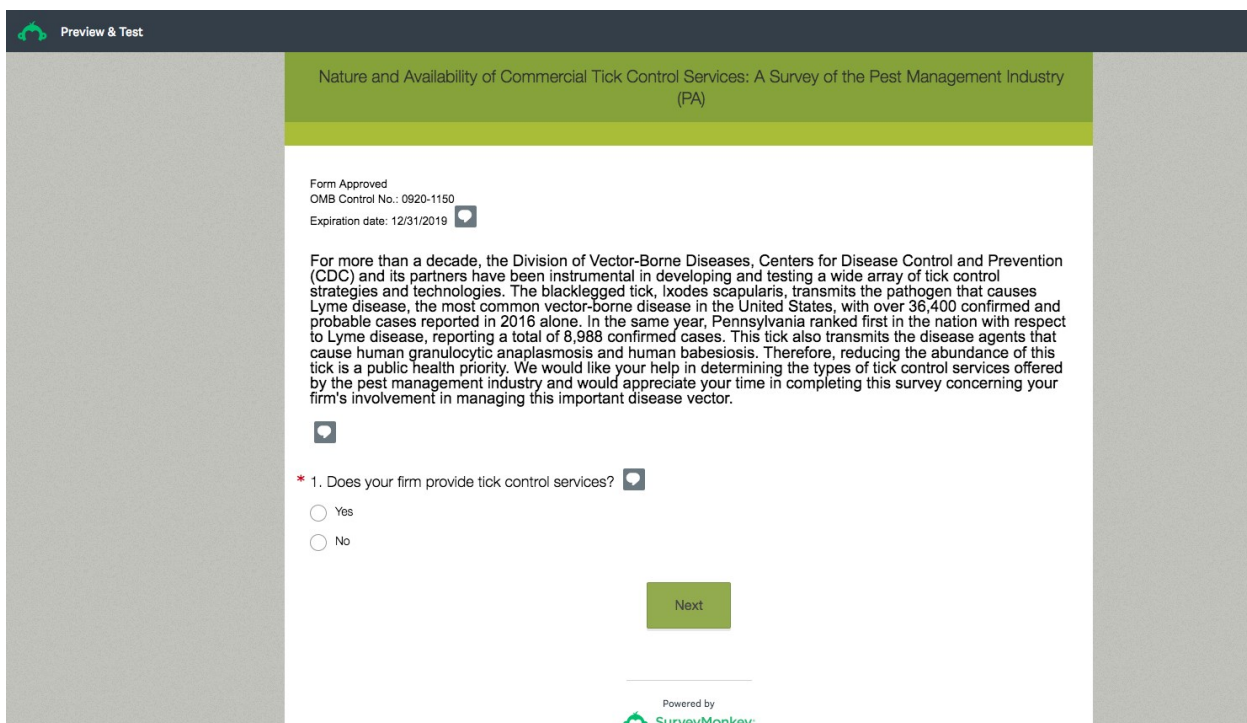
As you all know, ticks and the diseases they carry are becoming more and more of a concern for landscape and pest control professionals and their clients. For more than a decade the CDC and its agency partners have been looking at different approaches to this growing problem. Now **we in the industry** have a chance to add some "boots on the ground" input to help guide the approach and establish protocols for this emerging market.

If you are already encountering Tick-related issues, or anticipate someday doing so, **we strongly suggest adding your voice early!**

[Share Your Feedback](#)

NJPMA Logo

Thank you input and for your valuable time.



Preview & Test

Nature and Availability of Commercial Tick Control Services: A Survey of the Pest Management Industry (PA)

Form Approved  
OMB Control No.: 0920-1150  
Expiration date: 12/31/2019


For more than a decade, the Division of Vector-Borne Diseases, Centers for Disease Control and Prevention (CDC) and its partners have been instrumental in developing and testing a wide array of tick control strategies and technologies. The blacklegged tick, *Ixodes scapularis*, transmits the pathogen that causes Lyme disease, the most common vector-borne disease in the United States, with over 36,400 confirmed and probable cases reported in 2016 alone. In the same year, Pennsylvania ranked first in the nation with respect to Lyme disease, reporting a total of 8,988 confirmed cases. This tick also transmits the disease agents that cause human granulocytic anaplasmosis and human babesiosis. Therefore, reducing the abundance of this tick is a public health priority. We would like your help in determining the types of tick control services offered by the pest management industry and would appreciate your time in completing this survey concerning your firm's involvement in managing this important disease vector.

\* 1. Does your firm provide tick control services?


Yes

No

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Nature and Availability of Commercial Tick Control Services: A Survey of the Pest Management Industry (PA)

\* 2. In how large an area does your firm provide tick management services? (list all) 

- 1 to 3 counties
- Regionally
- Statewide

\* 3. How many field personnel/technicians does your firm employ? 


- Fewer than 5
- 5-10
- 11-20
- More than 20

\* 4. Are the tick control services offered by your firm 

- Specific to tick control alone
- Part of a lawn care/landscaping package

\* 5. Does your firm evaluate the client's property for ticks before attempting control? 


- Yes
- No

6. If you answered "No" to the previous question, why not? (please check all that apply) 


- Too expensive
- Don't know how
- Decision to treat based on presence of tick habitat
- Client complained of tick bites
- Other (please describe)

\* 7. On what basis does your firm decide to treat a client's property to control ticks? (check all that apply) 


- Client request
- Routinely included as part of lawn care/landscaping package
- Recommended based on presence of tick habitat
- Result of tick surveys
- Other (please describe)

\* 8. How often do you treat a client's property for ticks? 


- Once per year
- Twice per year
- Three times per year
- Four or more times per year

\* 9. Against which stage(s) of ticks does your firm direct control efforts? (check all that apply) 

- Nymph
- Larva
- Adult

\* 10. If your firm targets nymphs, when do you initiate control? (check all that apply) 


- January-March
- April-June
- July-September
- October-December
- Not applicable, we do not treat for nymphs

\* 11. If your firm targets larvae, when do you initiate control? (check all that apply) 


- January-March
- April-June
- July-September
- October-December
- Not applicable, we do not treat for larvae

\* 12. If your firm targets adults, when do you initiate control? (check all that apply) 


- January-March
- April-June
- July-September
- October-December
- Not applicable, we do not treat for adults

\* 13. When attempting to control ticks, what areas do you treat? (check all that apply) 


- Lawn
- Landscaping
- Woodland edge
- Woodland


\* 14. What tick control methods does/has your firm used? (check all that apply) 

- Application of conventional synthetic acaricides
- Habitat management (e.g. trimming back vegetation, leaf litter removal)
- Application of plant-derived natural products (e.g. EcoEXEMPT®)
- Application of pathogenic fungus (e.g. Tick-Ex™)
- Exclusion (e.g. deer fencing)
- Deployment of host-targeted devices (e.g. 4-poster deer treatment stations, Select Tick Control System [TCS™] rodent bait boxes, Damminix® tubes)
- Distribution of educational materials
- Other (please describe)

15. If your firm uses conventional synthetic pesticides, plant derived natural products, and/or pathogenic fungal pesticides to control ticks, what equipment does your firm use to apply these products?(check all that apply) 

- Backpack/knapsack sprayers
- High pressure hydraulic sprayers
- Mist blowers
- Drop or cyclone spreaders
- Chest-mounted cyclone spreaders
- Mist blowers modified to apply granules
- Not applicable. Your firm does not use synthetic pesticides for tick control.
- Other (please describe)

16. If your firm uses conventional synthetic pesticides to control ticks, please list: 

17. If your firm does not use Select TCS™ rodent bait boxes, why not? (check all that apply) 


- Didn't know the product existed/ don't know much about the technology
- Not requested by clients
- Too expensive
- Concerned about liability
- Delay in efficacy
- Not sure if they work
- Other (please describe)

18. If your firm does not use 4-poster deer treatment stations, why not? (check all that apply) 


- Didn't know the product existed/ don't know much about the technology
- Not requested by clients
- Too expensive
- Concerned about liability
- Delay in efficacy
- Not sure if they work
- Other (please describe)

19. If your firm does not use Damminix®, why not? (check all that apply) 


- Didn't know the product existed/ don't know much about the technology
- Not requested by clients
- Too expensive
- Concerned about liability
- Delay in efficacy
- Not sure if they work
- Other (please describe)

20. If your firm does not use plant-derived natural products, why not?(check all that apply) 


- Didn't know the product existed/ don't know much about the technology
- Not requested by clients
- Too expensive
- Concerned about liability
- Delay in efficacy
- Not sure if they work
- Other (please describe)

21. If your firm does not use pathogenic fungus, why not? (check all that apply) 


- Didn't know the product existed/ don't know much about the technology
- Not requested by clients
- Too expensive
- Concerned about liability
- Delay in efficacy
- Not sure if they work
- Other (please describe)

\* 22. On average, how much does your firm charge to treat a 1 acre property to control ticks with conventional synthetic pesticides/visit? 


- Less than \$100
- \$100-\$150
- \$151-\$200
- More than \$200
- Not applicable. Your firm does not treat with synthetic pesticides for tick control

\* 23. On average, how many times per year does your firm apply conventional synthetic pesticides to client properties? 


- 1
- 2
- 3
- 4
- More than 4
- Not applicable. Your firm does not use synthetic pesticides for tick control.

\* 24. If your firm was convinced that less toxic or "eco-friendly" alternatives to conventional synthetic pesticide applications were effective in controlling ticks, would you consider offering/using these technologies alone or as part of an integrated tick management program? 

- Yes
- No

\* 25. If your firm offered less toxic or "eco-friendly" alternatives to the use of conventional synthetic pesticide applications to control ticks, do you think your clients would pay more for tick control? 

- Yes
- No


\* 26. If you answered "yes" to the previous question, how much more? 

- 50%
- 100%
- 200%
- More than 200%

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27. May contact you for clarification or with any additional questions? 

Name

Name of firm

Telephone number

Email address

Public reporting burden of this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB Control Number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA 0920-1150

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