Communicating Insect Repellent Efficacy to the Public





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The Basics

Goal

 To improve public health by enhancing consumer understanding the efficacy of skin-applied insect repellents and the nature and risks of vector-borne diseases.

Principles for effective communication

- Accuracy
- Consistency across all products
- Simple scope: mosquitoes and ticks
- Timely

Project outputs (2008-2009)

- Websites to disseminate efficacy information
- Consumer education on vector-borne disease and repellents
- Standardized labeling to clearly identify product efficacy

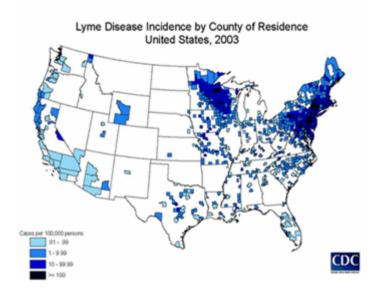
Public Health Concerns: Lyme Disease and West Nile Virus

Lyme Disease Health Effects

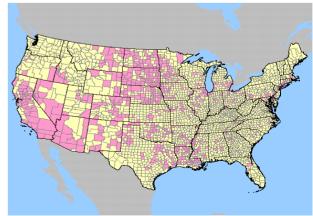
- Muscle and joint pain
- Cardiac and pulmonary concerns
- Neurological concerns

West Nile Health Effects

- Fever, muscle aches
- Meningitis
- Death
- Increasing Number of Cases
- Wide Geographical Distribution



Geographic distribution of West Nile



Context and Critical Issue

Context: Need for Information

- Increasing public awareness of repellents as an essential tool for both disease avoidance and nuisance control.
- Federal, state and private sector efforts to promote use of repellents for self-protection.

Critical Issue: Variable Information to Consumer

- Registrants are not required to display efficacy information on product labels.
- Approx. 60% of products include hours of protection on approved label for mosquitoes; 40% for ticks.
- Labels contain a variety of qualitative statements that don't translate to specific hours of protection.
- Variation in placement of information on label.

Website Status

- Timing Spring 2008
- Critical Steps
 - Outreach to stakeholders and general public on website release
 - Consumer will be able to search for skin-applied insect repellent products by:
 - Hours of protection against mosquito and tick
 - Active ingredient and percent contained in product
 - Company

Output

- EPA website: Enhance current repellent page to educate consumers about the importance of using skin-applied insect repellents and considering required protection time for their use.
- NPIC website: using efficacy data in more dynamic, user-sorted database
- Web is a building block for a more comprehensive approach.

Labeling Status

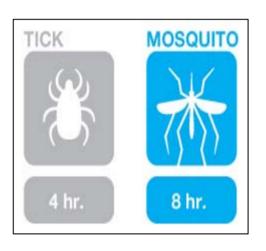
Critical Steps:

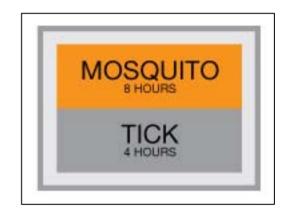
- Conduct outreach to strengthen network of support
- Develop example labels for stakeholder review and feedback
- Partner with stakeholders for premarket testing and focus groups
- Identify partners for pilot labeling

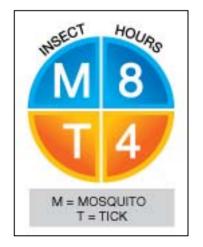
Timing:

- Outreach: Ongoing
- Develop/initiate pilot approach: 2008/09

Label Expression of Efficacy: Design Options







Descriptive approach

"If properly applied, this product provides effective, dependable, and long-lasting protection against insects that may carry West Nile Virus or cause Lyme Disease in humans:

<u>Up to 6 hours</u> against mosquitoes & other biting insects

Up to 4 hours against ticks"

Benefits

 Increase public health protection from specific vector-borne diseases

Encourage insect repellent use

 Enable consumers to make more informed purchasing decisions

Public and private stakeholder collaboration

Contact Information

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