300 meters per month; within 1 hr of sunset
Seed Ticks (larval Lone Star Ticks)
Seed Ticks (larval Lone Star Ticks)
Amblyomma americanum
Lone Star Tick

Amblyomma maculatum
Gulf Coast Tick

Dermacentor variabilis
American Dog Tick

Ixodes scapularis
Black-legged Tick
Amblyomma maculatum

June 2001 - August 2004

No. Adults
No. Nymphs
Ixodes scapularis

June 2001 - June 2004
Amblyomma americanum
Lone Star Tick

Dermacentor variabilis
American Dog Tick
TICKS ARE ACTIVE YEAR-ROUND IN CLARKE COUNTY, GEORGIA

OF TICKS COLLECTED IN THIS SURVEY
59% WERE *AMBLYOMMA AMERICANUM*
37% WERE *DERMACENTOR VARIABILIS*
3% WERE *AMBLYOMMA MACULATUM*
1% WERE *IXODES SCAPULARIS*.

TICK-TRANSMITTED DISEASES OF GREATEST CONCERN IN NORTH GEORGIA ARE EHRLICHIOSES AND *BORELLIA LONESTARI* (TRANSMITTED BY LONESTAR TICKS)
AND ROCKY MOUNTAIN SPOTTED FEVER (TRANSMITTED BY AMERICAN DOG TICKS).
HUMAN MONOCYTIC EHRLICHIOSIS

Amblyomma americanum
HUMAN GRANULOCYTIC ANAPLASMOSIS

Ixodes scapularis
ROCKY MOUNTAIN SPOTTED FEVER
HUMAN CASES 1994-1998
Geographical Distribution of Reported Lyme Disease Cases 2000
Established* and reported** distribution of the Lyme disease vectors Ixodes scapularis (I. dammini) and Ixodes pacificus, by county, United States, 1907-1996

** Vector presence
- Red: Established Ixodes scapularis
- Blue: Reported Ixodes scapularis
- Green: Established Ixodes pacificus
- Yellow: Reported Ixodes pacificus

*at least 6 ticks or 2 life stages (larvae, nymphs, adults) identified.
**at least 1 tick identified.
New DEETless Formula
COULSTON'S®

PERMETHRIN
TICK
REPELLENT

Repels & Kills Ticks and Mosquitoes
Effective for 2 Weeks
Non-staining
Applies and dries odorless
Clothing Treatment Only
van Nunen SA, O’Connor KS, Clarke LR, Boyle RX and Fernando SL. 2009
Tick Bites and Red Meat Allergy

galactose-α-1,3-galactose (alpha-gal)

1. Develops later in life
2. Sugar (not protein)
3. Hives to anaphylaxis
4. Delayed hypersensitivity
5. Blood-type dependent

Nausea, diarrhea
External hives
Anaphylaxis
*Amblyomma americanum* (Lone Star Tick)