

Summary of Tick Testing for 2023

A total of 5,743 ticks were submitted by residents, health departments, and healthcare providers to the Connecticut Agricultural Experiment Station-Tick Testing Laboratory (CAES-TTL) for identification in 2023. Of these, 4,230 (73.7%) were identified as *Ixodes scapularis* (blacklegged or deer tick), 1,205 (21.0%) as *Dermacentor variabilis* (American dog tick), 292 (5.1%) as *Amblyomma americanum* (lone star tick), and 16 (0.2%) as other tick species.

Scientific Name	Common Name	Number of Ticks (%)
<i>Ixodes scapularis</i>	blacklegged or deer tick	4,230 (73.7%)
<i>Dermacentor variabilis</i>	American dog tick	1,205 (21.0%)
<i>Amblyomma americanum</i>	lone star tick	292 (5.1%)
<i>Haemaphysalis longicornis</i>	Asian longhorned tick	14 (0.2%)
<i>Amblyomma maculatum</i>	Gulf Coast tick	2 (0.03%)

A total of 4,122* adult female and nymphal blacklegged ticks were tested for evidence of infection with *Borrelia burgdorferi*, the causative agent for Lyme disease. In response to changes in the frequency and diversity of tick-borne pathogens of human health concern, testing for additional tick-borne pathogens was established in 2015 and later in 2023 at the Tick Testing Laboratory. Blacklegged ticks screened for *B. burgdorferi* were also examined for evidence of infection with *Anaplasma phagocytophilum* and *Babesia microti*, the causative agents of anaplasmosis and babesiosis, respectively. Of the 4,122 ticks screened, 1,093 (26.5%) tested positive for *B. burgdorferi*, 100 (2.4%) for *A. phagocytophilum*, and 341 (8.3%) for *B. microti*. A total of 280 (6.8%) ticks were simultaneously co-infected with two or more pathogens as depicted in the table below. The remainder of ticks (56.0%) tested negative.

Pathogen	Disease	Ticks Infected
<i>Borrelia burgdorferi</i>	Lyme disease	1,093 (26.5%)
<i>Anaplasma phagocytophilum</i>	anaplasmosis	100 (2.4%)
<i>Babesia microti</i>	babesiosis	341 (8.3%)
<i>Borrelia</i> + <i>Anaplasma</i>	Lyme disease and anaplasmosis	60 (1.5%)
<i>Borrelia</i> + <i>Babesia</i>	Lyme disease and babesiosis	174 (4.2%)
<i>Anaplasma</i> + <i>Babesia</i>	anaplasmosis and babesiosis	24 (0.6%)
<i>Borrelia</i> + <i>Anaplasma</i> + <i>Babesia</i>	Lyme disease, anaplasmosis, and babesiosis	22 (0.5%)

*As of January 1, 2006, unengorged ticks are no longer tested for tick-borne pathogens. Research has shown that unengorged ticks (those that have not ingested blood) are unlikely to transmit disease-causing organisms.

The number of blacklegged ticks submitted from each town and the number infected are summarized in the following table for the year 2023. If the town is served by a health district, its totals are included with the town listed in the second column. For example, Ansonia is served by the Naugatuck Valley Health District, which is located in Seymour. Any ticks that may have been received from Ansonia through the health district are included in the totals for Seymour. Any ticks received from individuals in Ansonia would be listed separately for Ansonia. Those totals reflect the data for all the towns served by the health district. For a directory of local health departments and districts, see the state website at: <http://www.ct.gov/dph/localhealth>.

Town	Health District Town	Total Identified	Total Tested	Positive for <i>Borrelia</i> (%)	Positive for <i>Anaplasma</i> (%)	Positive for <i>Babesia</i> (%)
Andover	Mansfield	13	10	1 (10%)	0 (0%)	0 (0%)
Ansonia	Seymour	6	5	1 (20%)	0 (0%)	0 (0%)
Ashford	Mansfield	4	4	0 (0%)	1 (25%)	0 (0%)
Avon	Canton	30	19	5 (26%)	0 (0%)	2 (11%)
Barkhamsted	Canton	2	1	0 (0%)	0 (0%)	1 (100%)
Beacon Falls	Seymour	6	4	1 (25%)	0 (0%)	0 (0%)
Berlin	Wethersfield	6	6	2 (33%)	0 (0%)	0 (0%)
Bethany	North Haven	44	37	15 (41%)	3 (8%)	1 (3%)
Bethel		50	39	7 (18%)	0 (0%)	3 (8%)
Bethlehem	Torrington	6	2	1 (50%)	0 (0%)	0 (0%)
Bloomfield		37	22	4 (18%)	0 (0%)	0 (0%)
Bolton	Mansfield	13	11	2 (18%)	0 (0%)	2 (18%)
Bozrah	Norwich	5	3	0 (0%)	0 (0%)	0 (0%)
Branford		133	84	20 (24%)	2 (2%)	6 (7%)
Bridgeport		10	7	0 (0%)	0 (0%)	0 (0%)
Bridgewater	Newtown	5	5	0 (0%)	1 (20%)	0 (0%)
Bristol		36	17	6 (35%)	1 (6%)	1 (6%)
Brookfield		64	50	7 (14%)	0 (0%)	1 (2%)
Brooklyn		4	4	1 (25%)	0 (0%)	0 (0%)
Burlington	Bristol	7	2	1 (50%)	0 (0%)	1 (50%)
Canaan	Torrington	4	4	1 (25%)	0 (0%)	0 (0%)
Canterbury	Brooklyn	14	14	1 (7%)	0 (0%)	1 (7%)
Canton		38	21	4 (19%)	0 (0%)	1 (5%)
Chaplin	Mansfield	0	0			
Cheshire		90	71	22 (31%)	1 (1%)	8 (11%)
Chester		9	9	2 (22%)	1 (11%)	2 (22%)
Clinton	Old Saybrook	9	8	4 (50%)	0 (0%)	0 (0%)
Colchester	East Hampton	10	6	2 (33%)	0 (0%)	2 (33%)
Colebrook	Canton	0	0			
Columbia	Mansfield	6	4	2 (50%)	0 (0%)	0 (0%)
Cornwall	Torrington	2	2	0 (0%)	0 (0%)	0 (0%)
Coventry	Mansfield	14	11	0 (0%)	0 (0%)	0 (0%)
Cromwell		12	7	0 (0%)	0 (0%)	0 (0%)
Danbury		75	53	10 (19%)	5 (9%)	4 (8%)
Darien		106	51	13 (25%)	1 (2%)	2 (4%)
Deep River	Old Saybrook	1	1	0 (0%)	0 (0%)	0 (0%)

Town	Health District Town	Total Identified	Total Tested	Positive for <i>Borrelia</i> (%)	Positive for <i>Anaplasma</i> (%)	Positive for <i>Babesia</i> (%)
Derby	Seymour	2	1	0 (0%)	0 (0%)	0 (0%)
Durham		22	15	6 (40%)	0 (0%)	3 (20%)
East Granby	Canton	9	7	2 (29%)	0 (0%)	1 (14%)
East Haddam	East Hampton	14	12	7 (58%)	0 (0%)	1 (8%)
East Hampton		53	40	6 (15%)	1 (3%)	1 (3%)
East Hartford		1	0			
East Haven	Branford	14	8	1 (13%)	0 (0%)	0 (0%)
East Lyme	New London	22	14	3 (21%)	0 (0%)	0 (0%)
East Windsor	Enfield	1	0			
Eastford	Brooklyn	7	4	3 (75%)	0 (0%)	0 (0%)
Easton		28	21	3 (14%)	0 (0%)	0 (0%)
Ellington	Enfield	16	9	1 (11%)	0 (0%)	1 (11%)
Enfield		36	24	4 (17%)	0 (0%)	2 (8%)
Essex		21	17	6 (35%)	1 (6%)	0 (0%)
Fairfield		146	114	28 (25%)	2 (2%)	5 (4%)
Farmington	Canton	31	25	6 (24%)	2 (8%)	2 (8%)
Franklin		3	2	1 (50%)	1 (50%)	1 (50%)
Glastonbury		42	27	4 (15%)	0 (0%)	0 (0%)
Goshen	Torrington	12	11	1 (9%)	0 (0%)	0 (0%)
Granby	Canton	11	8	0 (0%)	0 (0%)	1 (13%)
Greenwich		9	2	1 (50%)	0 (0%)	0 (0%)
Griswold	Norwich	4	3	0 (0%)	0 (0%)	0 (0%)
Groton	New London	15	12	3 (25%)	0 (0%)	3 (25%)
Guilford		72	55	10 (18%)	0 (0%)	3 (5%)
Haddam	Old Saybrook	10	8	2 (25%)	0 (0%)	0 (0%)
Hamden	North Haven	129	96	34 (35%)	6 (6%)	14 (15%)
Hampton	Brooklyn	0	0			
Hartford		6	3	1 (33%)	0 (0%)	0 (0%)
Hartland	Canton	2	2	0 (0%)	0 (0%)	0 (0%)
Harwinton	Torrington	2	1	0 (0%)	0 (0%)	0 (0%)
Hebron	East Hampton	6	5	2 (40%)	0 (0%)	0 (0%)
Kent	Torrington	7	7	4 (57%)	0 (0%)	0 (0%)
Killingly	Brooklyn	14	12	5 (42%)	0 (0%)	0 (0%)
Killingworth		9	8	3 (38%)	0 (0%)	2 (25%)
Lebanon	Norwich	4	4	1 (25%)	0 (0%)	0 (0%)
Ledyard	New London	9	6	2 (33%)	0 (0%)	0 (0%)

Town	Health District Town	Total Identified	Total Tested	Positive for <i>Borrelia</i> (%)	Positive for <i>Anaplasma</i> (%)	Positive for <i>Babesia</i> (%)
Lisbon	Norwich	1	0			
Litchfield	Torrington	7	6	0 (0%)	0 (0%)	1 (17%)
Lyme		14	8	2 (25%)	0 (0%)	0 (0%)
Madison		53	34	9 (26%)	1 (3%)	1 (3%)
Manchester		35	20	4 (20%)	0 (0%)	3 (15%)
Mansfield		54	40	9 (23%)	1 (3%)	4 (10%)
Marlborough	East Hampton	1	1	0 (0%)	0 (0%)	1 (100%)
Meriden		60	35	9 (26%)	1 (3%)	2 (6%)
Middlebury	Torrington	12	5	1 (20%)	0 (0%)	0 (0%)
Middlefield		5	4	2 (50%)	0 (0%)	1 (25%)
Middletown		36	24	10 (42%)	2 (8%)	4 (17%)
Milford		184	66	18 (27%)	1 (2%)	2 (3%)
Monroe		65	50	12 (24%)	2 (4%)	2 (4%)
Montville	Norwich	8	6	2 (33%)	0 (0%)	0 (0%)
Morris	Torrington	2	0			
Naugatuck	Seymour	18	14	0 (0%)	0 (0%)	0 (0%)
New Britain		8	4	0 (0%)	0 (0%)	1 (25%)
New Canaan		197	120	25 (21%)	2 (2%)	5 (4%)
New Fairfield		40	29	9 (31%)	1 (3%)	5 (17%)
New Hartford	Canton	17	14	4 (29%)	0 (0%)	3 (21%)
New Haven		98	64	18 (28%)	1 (2%)	9 (14%)
New London		121	81	16 (20%)	2 (2%)	6 (7%)
New Milford		24	18	4 (22%)	1 (6%)	2 (11%)
Newington	Wethersfield	3	3	2 (67%)	0 (0%)	0 (0%)
Newtown		254	196	64 (33%)	8 (4%)	33 (17%)
Norfolk	Torrington	3	3	0 (0%)	0 (0%)	0 (0%)
North Branford	Branford	15	10	0 (0%)	0 (0%)	0 (0%)
North Canaan	Torrington	3	2	0 (0%)	0 (0%)	0 (0%)
North Haven		73	49	16 (33%)	0 (0%)	4 (8%)
North Stonington	New London	9	5	1 (20%)	0 (0%)	0 (0%)
Norwalk		209	123	22 (18%)	1 (1%)	7 (6%)
Norwich		49	35	13 (37%)	3 (9%)	3 (9%)
Old Lyme	New London	17	9	2 (22%)	2 (22%)	0 (0%)
Old Saybrook		62	45	10 (22%)	0 (0%)	1 (2%)
Orange		32	25	6 (24%)	0 (0%)	4 (16%)
Oxford	Southbury	18	13	4 (31%)	0 (0%)	2 (15%)

Town	Health District Town	Total Identified	Total Tested	Positive for <i>Borrelia</i> (%)	Positive for <i>Anaplasma</i> (%)	Positive for <i>Babesia</i> (%)
Plainfield	Brooklyn	1	1	0 (0%)	0 (0%)	0 (0%)
Plainville	Southington	5	5	1 (20%)	0 (0%)	0 (0%)
Plymouth	Torrington	6	5	1 (20%)	0 (0%)	1 (20%)
Pomfret	Brooklyn	2	2	0 (0%)	0 (0%)	0 (0%)
Portland	East Hampton	3	3	1 (33%)	0 (0%)	1 (33%)
Preston		1	0			
Prospect	Cheshire	14	13	2 (15%)	0 (0%)	1 (8%)
Putnam	Brooklyn	2	0			
Redding		235	174	62 (36%)	8 (5%)	22 (13%)
Ridgefield		252	190	65 (34%)	6 (3%)	16 (8%)
Rocky Hill	Wethersfield	33	18	5 (28%)	0 (0%)	0 (0%)
Roxbury	Newtown	11	9	1 (11%)	0 (0%)	0 (0%)
Salem	Norwich	9	5	1 (20%)	0 (0%)	2 (40%)
Salisbury	Torrington	8	5	1 (20%)	0 (0%)	0 (0%)
Scotland	Mansfield	3	3	0 (0%)	0 (0%)	0 (0%)
Seymour		58	48	15 (31%)	2 (4%)	2 (4%)
Sharon		2	2	1 (50%)	0 (0%)	1 (50%)
Shelton	Seymour	46	34	6 (18%)	1 (3%)	0 (0%)
Sherman		8	7	1 (14%)	0 (0%)	2 (29%)
Simsbury	Canton	46	33	10 (30%)	1 (3%)	1 (3%)
Somers		6	5	0 (0%)	0 (0%)	1 (20%)
South Windsor		26	13	4 (31%)	0 (0%)	0 (0%)
Southbury		205	150	38 (25%)	4 (3%)	13 (9%)
Southington		46	34	12 (35%)	0 (0%)	0 (0%)
Sprague	Norwich	2	1	0 (0%)	0 (0%)	0 (0%)
Stafford	Enfield	8	6	0 (0%)	0 (0%)	0 (0%)
Stamford		205	166	39 (23%)	0 (0%)	17 (10%)
Sterling	Brooklyn	3	3	0 (0%)	0 (0%)	0 (0%)
Stonington	New London	7	4	0 (0%)	0 (0%)	0 (0%)
Stratford		79	26	5 (19%)	0 (0%)	4 (15%)
Suffield	Enfield	11	7	3 (43%)	0 (0%)	2 (29%)
Thomaston	Torrington	3	2	1 (50%)	0 (0%)	0 (0%)
Thompson	Brooklyn	2	1	1 (100%)	0 (0%)	0 (0%)
Tolland	Mansfield	11	9	3 (33%)	0 (0%)	0 (0%)
Torrington		78	62	17 (27%)	1 (2%)	9 (15%)
Trumbull		177	138	41 (30%)	2 (1%)	12 (9%)

Town	Health District Town	Total Identified	Total Tested	Positive for <i>Borrelia</i> (%)	Positive for <i>Anaplasma</i> (%)	Positive for <i>Babesia</i> (%)
Union	Brooklyn	1	1	0 (0%)	0 (0%)	0 (0%)
Vernon	Enfield	7	5	2 (40%)	1 (20%)	1 (20%)
Voluntown	Norwich	1	1	0 (0%)	0 (0%)	0 (0%)
Wallingford		75	58	18 (31%)	1 (2%)	9 (16%)
Warren	Torrington	2	2	0 (0%)	0 (0%)	1 (50%)
Washington		12	8	1 (13%)	0 (0%)	0 (0%)
Waterbury		12	10	3 (30%)	0 (0%)	1 (10%)
Waterford	New London	19	13	2 (15%)	0 (0%)	2 (15%)
Watertown	Torrington	5	3	2 (67%)	1 (33%)	1 (33%)
West Hartford	Bloomfield	24	13	5 (38%)	0 (0%)	0 (0%)
West Haven		32	12	1 (8%)	0 (0%)	0 (0%)
Westbrook		9	7	4 (57%)	0 (0%)	2 (29%)
Weston	Westport	7	6	1 (17%)	0 (0%)	0 (0%)
Westport		210	173	44 (25%)	4 (2%)	5 (3%)
Wethersfield		4	1	1 (100%)	0 (0%)	0 (0%)
Willington	Mansfield	4	4	3 (75%)	0 (0%)	1 (25%)
Wilton		233	175	53 (30%)	5 (3%)	15 (9%)
Winchester	Torrington	1	1	0 (0%)	0 (0%)	0 (0%)
Windham	Enfield	4	3	0 (0%)	0 (0%)	0 (0%)
Windsor		21	15	2 (13%)	0 (0%)	1 (7%)
Windsor Locks	Enfield	4	4	3 (75%)	0 (0%)	2 (50%)
Wolcott	Cheshire	5	2	0 (0%)	0 (0%)	0 (0%)
Woodbridge	North Haven	69	62	20 (32%)	4 (6%)	6 (10%)
Woodbury	Southbury	11	8	2 (25%)	0 (0%)	0 (0%)
Woodstock	Brooklyn	13	12	4 (33%)	0 (0%)	2 (17%)