



Forest Health *Notes*



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2008 Gypsy Moth Trapping Results

The 2008 statewide gypsy moth trapping has been completed and once again North Carolina avoided successful gypsy moth establishment, though Currituck County and a portion of Dare County remain in quarantine for the insect.

North Carolina is on the leading edge of the gypsy moth front and as such all 100 counties are trapped each year for male gypsy moths using pheromone-baited traps. Male gypsy moths are targeted by trapping efforts because female gypsy moths do not fly. The gypsy moth program in North Carolina is currently under the jurisdiction of the N.C. Department of Agriculture (NCDA) – Plant Industry Division and we thank them for providing us with these trapping results. Contractors, through a federal program called Slow The Spread (STS), trap the northern portion of North Carolina, while numerous cooperators including the Division of Forest Resources trap the remainder of the state, including some overlap with STS counties. The trapping efforts provide gypsy moth population information that allows managers to utilize the most efficient treatment methods available.

NCDA uses the trap counts to determine patterns of gypsy moth infestations, though the presence of trapped male moths does not necessarily indicate there is a population of gypsy moths capable of reproducing in the area. Trap counts compiled over several years can reveal whether a population is building or if the moths caught were likely blown in during a weather event, usually denoted by only a few moths being found in scattered traps.

Last winter, trap data from 2007 was compared with data from prior years and two building populations of gypsy moth were identified in North Carolina--one in Caswell County and one in Warren County. Personnel from the Department of Agriculture treated these two areas in the spring and monitoring is ongoing to ensure the treatments were effective. The information collected this year will be analyzed along with past data to see if and where any treatments may be needed next spring.

This year, 27 counties throughout the state were either entirely or partially trapped by DFR personnel. We'd like to recognize and send a big thank you to the following counties for their assistance in this year's trapping effort: Alexander, Anson, Burke, Cabarrus, Catawba, Chatham, Cherokee, Cleveland, Davidson, Gaston, Graham, Iredell, Jones, Lincoln, Madison, Mitchell, Montgomery, Moore, Onslow, Polk, Randolph, Rowan, Stanly, Swain, Transylvania, Union, and Yancey. The information these counties provided is very valuable in the ongoing efforts to monitor this pest.

Statewide there were 19,647 traps placed by contractors, including 3,388 by DFR personnel. Of those, a total of 517 traps were classified as positive, meaning they caught at least one gypsy moth, and 1,048 moths were caught in total. The last page shows a summary of the trapping results for this year including how many traps were set in each county, how many traps were positive and the total number of moths caught in each county. Counties in bold italics were trapped by DFR personnel and all counties in grey were negative for gypsy moth.

2008 Gypsy Moth Trapping Results by County

County	Total traps	Positive traps	Moths	County	Total traps	Positive traps	Moths
ALAMANCE	228	7	8	JOHNSTON	294	6	7
ALEXANDER	77	0	0	JONES	113	3	3
ALLEGHANY	159	5	5	LEE	75	0	0
ANSON	152	0	0	LENOIR	132	1	1
ASHE	229	2	2	LINCOLN	88	19	29
AVERY	56	0	0	MACON	117	0	0
BEAUFORT	279	3	3	MADISON	100	0	0
BERTIE	486	0	0	MARTIN	145	2	2
BLADEN	255	0	0	MCDOWELL	101	0	0
BRUNSWICK	317	2	2	MECKLENBURG	183	1	1
BUNCOMBE	166	0	0	MITCHELL	52	0	0
BURKE	136	3	3	MONTGOMERY	129	2	3
CABARRUS	107	1	1	MOORE	214	1	1
CALDWELL	123	3	3	NASH	379	13	14
CAMDEN	149	0	0	NEW HANOVER	90	1	1
CARTERET	107	0	0	NORTHAMPTON	399	6	6
CASWELL	352	23	30	ONslow	177	10	64
CATAWBA	122	2	2	ORANGE	230	7	9
CHATHAM	204	3	4	PAMLICO	89	0	0
CHEROKEE	122	0	0	PASQUOTANK	158	1	1
CHOWAN	122	0	0	PENDER	225	0	0
CLAY	42	1	5	PERQUIMANS	174	1	1
CLEVELAND	138	0	0	PERSON	398	25	26
COLUMBUS	269	0	0	PITT	232	2	3
CRAVEN	197	0	0	POLK	62	1	1
CUMBERLAND	190	0	0	RANDOLPH	226	4	4
CURRITUCK	229	35	402	RICHMOND	136	0	0
DARE	167	15	25	ROBESON	273	0	0
DAVIDSON	173	7	7	ROCKINGHAM	400	49	64
DAVIE	98	2	2	ROWAN	148	0	0
DUPLIN	239	1	2	RUTHERFORD	157	1	1
DURHAM	312	21	23	SAMPSON	282	4	4
EDGEcombe	262	1	2	SCOTLAND	95	0	0
FORSYTH	330	38	42	STANLY	115	1	2
FRANKLIN	356	3	3	STOKES	372	37	47
GASTON	109	0	0	SURRY	341	39	40
GATES	288	4	4	SWAIN	46	0	0
GRAHAM	57	0	0	TRANSYLVANIA	86	0	0
GRANVILLE	443	12	21	TYRRELL	95	0	0
GREENE	87	2	2	UNION	185	1	1
GUILFORD	385	11	11	VANCE	195	5	5
HALIFAX	576	8	8	WAKE	353	7	10
HARNETT	178	1	1	WARREN	353	14	26
HAYWOOD	123	1	2	WASHINGTON	113	0	0
HENDERSON	107	1	1	WATAUGA	92	1	1
HERTFORD	230	3	4	WAYNE	241	5	13
HOKE	110	0	0	WILKES	353	10	10
HYDE	166	1	1	WILSON	212	3	4
IREDELL	182	2	2	YADKIN	210	8	8
JACKSON	153	2	2	YANCEY	68	0	0

For a map showing gypsy moth trap catch locations, go to: <http://da.ento.vt.edu/results1.html>