

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE,
Preventing Spread of Moths

SUMMARY---GIPSY MOTH DEFOLIATION---1934.

NUMBER OF ACRES DEFOLIATED AND THE DEGREE OF DEFOLIATION IN NEW ENGLAND.

STATE	DEGREE OF DEFOLIATION				TOTAL
	25%	50%	75%	100%	
MAINE	23,808	22,909	10,571	3,115	60,403
NEW HAMPSHIRE	95,161	109,925	73,781	7,013 $\frac{1}{4}$	285,880 $\frac{1}{4}$
VERMONT	10	15	0	0	25
MASSACHUSETTS	22,123	29,550	40,972	35,592	128,237
RHODE ISLAND	2,380	5,835	8,265	1,220	17,750
CONNECTICUT	30	23	13	0	66
TOTALS:	143,512	168,307	133,602	46,940 $\frac{1}{4}$	492,361 $\frac{1}{4}$

MASSACHUSETTS - 1934.

Data: Defoliation by the Gipsy Moth in Massachusetts, 1934.

Reports have been received from 159 towns, showing definite acreages more or less defoliated by the Gipsy Moth. These reports are summarized as follows:

Number of acres defoliated and the degree of defoliation in Massachusetts

Towns	Degree of defoliation				Total
	25%	50%	75%	100%	
Acton	200	0	0	410	610
Acushnet	0	30	56	35	121
Amherst	0	50	25	13	88
Ashburnham	0	25	25	0	50
Ashby	0	0	0	440	440
Ashland	0	0	50	900	950
Athol	230	455	425	175	1,285
Attleboro	10	55	185	5	255
Ayer	0	0	0	100	100
Barnstable	2,000	4,000	3,000	3,000	12,000
Barre	215	240	320	100	875
Belchertown	25	10	10	5	50
Bellingham	0	5	20	0	25
Berkley	0	65	250	5	320
Bernardston	0	35	30	0	65
Beverly	3	2	1	0	6
Billerica	105	130	155	20	410
Bolton	0	50	0	300	350
Bourne	250	250	500	1,000	2,000
Boxboro	0	0	25	50	75
Brewster	1,000	1,000	1,500	2,500	6,000
Bridgewater	100	100	100	200	500
Carlisle	305	265	255	50	875
Carver	150	150	100	100	500
Chatham	100	100	200	200	600
Chelmsford	55	40	40	0	135
Chilmark	5	5	10	5	25
Clinton	0	0	25	0	25
Concord	125	0	0	25	150
Dana	15	10	0	0	25
Dartmouth	35	105	105	110	355
Dedham	0	0	7	0	7
Dennis	1,000	1,000	2,000	3,000	7,000
Dighton	0	15	85	2	102
Dover	0	575	1,850	5	2,430
Dracut	50	50	35	40	175
Duxbury	500	500	500	500	2,000
East Bridgewater	25	25	25	25	100
Eastham	100	100	100	100	400
Easton	0	0	100	5	105
Enfield	20	10	0	0	30
Erving	0	90	30	36	156
Essex	25	0	0	0	25

Data: Defoliation by the Gipsy Moth in Massachusetts, 1934.
 Towns showing definite acreages of defoliation (continued)

Number of acres defoliated and the degree of defoliation in Massachusetts.

Towns	Degree of defoliation				Total
	25%	50%	75%	100%	
Fairhaven	0	10	25	0	35
Fall River	10	45	70	30	155
Falmouth	800	700	1,000	1,000	3,500
Fitchburg	0	0	20	0	20
Foxboro	0	315	1,150	70	1,535
Framingham	0	0	50	260	310
Franklin	0	140	1,200	7	1,347
Freetown	0	35	35	100	170
Gardner	20	15	0	0	35
Georgetown	45	34	11	0	90
Gill	40	25	8	0	73
Gloucester	2	0	0	0	2
Granby	6	3	1	0	10
Greenfield	0	75	50	0	125
Greenwich	15	0	0	0	15
Groton	0	0	0	300	300
Halifax	100	100	200	200	600
Hanson	0	25	25	0	50
Hardwick	35	15	0	0	50
Harvard	0	0	150	700	850
Harwich	1,000	3,000	3,000	3,000	10,000
Holliston	32	0	0	375	407
Holden	515	600	660	275	2,050
Hopedale	40	40	75	20	175
Hopkinton	360	400	300	90	1,150
Hubbardston	680	540	820	460	2,500
Hudson	0	50	0	300	350
Kingston	250	250	100	100	700
Lakeville	350	350	150	150	1,000
Lancaster	0	0	10	0	10
Leominster	0	0	0	300	300
Leyden	0	50	50	0	100
Littleton	0	0	0	10	10
Lowell	105	80	60	35	280
Ludlow	0	0	2	8	10
Lynn	30	0	0	0	30
Mansfield	0	100	500	20	620
Marion	250	250	250	250	1,000
Marlboro	0	0	0	1,000	1,000
Marshfield	100	100	100	100	400
Mashpee	500	500	500	500	2,000
Mattapoissett	350	350	400	400	1,500
Maynard	0	0	0	15	15
Medfield	0	0	75	0	75
Medway	0	15	45	0	60

MASSACHUSETTS - 1934.

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Data: Defoliation by the Gipsy Moth in Massachusetts, 1934.
 Towns showing definite acreages of defoliation (continued)

Number of acres defoliated and the degree of defoliation in Massachusetts.

Towns	Degree of defoliation				Total
	25%	50%	75%	100%	
Mendon	50	100	125	45	320
Methuen	20	20	0	0	40
Middleboro	350	350	150	150	1,000
Milford	175	150	200	50	575
Montague	400	500	450	650	2,000
Newbury	85	55	5	0	145
New Braintree	65	110	100	50	325
New Salem	70	100	150	75	395
North Attleboro	50	200	900	100	1,250
North Brookfield	15	10	0	0	25
Norton	0	10	40	5	55
Norwood	0	40	200	0	240
Oakham	75	70	75	30	250
Orange	25	50	50	25	150
Orleans	250	250	500	500	1,500
Paxton	100	150	75	50	375
Pelham	0	210	220	80	510
Pembroke	500	500	250	250	1,500
Petersham	35	45	30	25	135
Phillipston	70	85	50	0	205
Plainville	0	165	450	70	685
Plymouth	1,000	1,000	1,500	1,500	5,000
Plympton	100	200	100	100	500
Prescott	35	10	0	0	45
Princeton	475	575	925	775	2,750
Rayham	0	10	10	0	20
Rehoboth	0	5	25	2	32
Rochester	500	500	500	500	2,000
Rockport	15	0	0	0	15
Rowley	70	60	40	20	190
Royalston	90	145	95	15	345
Rutland	550	525	750	575	2,400
Sandwich	1,000	1,000	1,000	2,000	5,000
Saugus	25	0	0	0	25
Seekonk	0	12	20	0	32
Sharon	0	30	220	17	267
Shrewsbury	0	0	50	0	50
Shutesbury	120	90	45	11	266
Somerset	0	0	3	0	3
Southboro	125	150	210	60	545
Southampton	0	0	1	0	1
Spencer	15	30	25	10	80
Sterling	0	0	200	500	700
Stoughton	0	85	640	25	750
Stow	0	0	25	150	175
Sudbury	0	0	0	25	25
Swansea	5	5	25	0	35

Data: Defoliation by the Gipsy Moth in Massachusetts, 1934.
 Towns showing definite acreages of defoliation (continued)

Number of acres defoliated and the degree of defoliation in Massachusetts.

Towns	Degree of defoliation				Total
	25%	50%	75%	100%	
Taunton	0	30	60	0	90
Templeton	120	190	215	100	625
Tisbury	25	25	0	0	50
Topsfield	12	0	0	0	12
Townsend	0	0	0	50	50
Tyngsboro	70	60	40	15	185
Upton	175	400	400	75	1,050
Uxbridge	25	0	0	0	25
Walpole	0	270	1,850	6	2,126
Ware	30	25	0	0	55
Wareham	500	400	100	0	1,000
Wellfleet	25	25	25	25	100
Wendell	0	50	20	10	80
Westboro	25	30	50	20	125
Westford	195	150	134	25	504
Westminster	125	200	200	250	775
Westwood	0	10	120	5	135
West Boylston	35	50	50	10	145
West Brookfield	5	5	0	0	10
Whitman	0	10	15	0	25
Williamsburg	8	4	3	0	15
Winchendon	5	5	0	0	10
Wrentham	0	256	1,025	25	1,305
Yarmouth	2,000	2,000	3,000	3,000	10,000
	<u>22,123</u>	<u>29,550</u>	<u>40,972</u>	<u>35,592</u>	<u>128,237</u>

Data: Defoliation by the Gipsy Moth in Massachusetts, 1934.

In addition to reports showing definite defoliation, the following towns were reported as having very light or no Gipsy Moth feeding:

Abington	Everett	Milton	South Hadley
Agawam	Gay Head	Monson	Springfield
Amesbury	Goshen	Montgomery	Stoneham
Andover	Gosnold	Nahant	Sturbridge
Arlington	Grafton	Nantucket	Sunderland
Auburn	Groveland	Natick	Sutton
Avon	Hadley	Needham	Swampscott
Bedford	Hamilton	New Bedford	Tewksbury
Belmont	Hampden	Newburyport	Truro
Berlin	Hanover	Newton	Wakefield
Blackstone	Hatfield	Norfolk	Wales
Boxford	Haverhill	North Andover	Waltham
Boylston	Hingham	Northbridge	Warren
Braintree	Holbrook	Northboro	Warwick
Brimfield	Holland	Northfield	Watertown
Brockton	Holyoke	Northampton	Wayland
Brookfield	Hull	North Reading	Webster
Brookline	Huntington	Norwell	Wellesley
Burlington	Ipswich	Oak Bluffs	Wenham
Cambridge	Lawrence	Oxford	West Bridgewater
Canton	Leicester	Palmer	Westfield
Charlton	Leverett	Peabody	Westhampton
Chelsea	Lexington	Pepporell	West Newbury
Chesterfield	Lincoln	Provincetown	Weston
Chicopee	Longmeadow	Quincy	Westport
Cohasset	Lunenburg	Randolph	West Springfield
Colrain	Lynnfield	Reading	West Tisbury
Conway	Malden	Revere	Weymouth
Danvers	Manchester	Rockland	Whatley
Deerfield	Marblehead	Salem	Wilbraham
Douglass	Medford	Salisbury	Wilmington
Dudley	Melrose	Scituate	Winthrop
Dunstable	Merrimac	Shelburne	Winchester
East Brookfield	Middleton	Sherborn	Worcester
Easthampton	Milbury	Shirley	Woburn
East Longmeadow	Millis	Somerville	
Edgartown	Milville	Southbridge	

1 9 3 4-GYPSY MOTH DEFOLIATION

<u>Div. Supt.</u>	<u>Dist. No.</u>	<u>ACRES</u>				<u>Total</u>
		<u>25%</u>	<u>50%</u>	<u>75%</u>	<u>100%</u>	
M. H. Donovan	3	118	2	1	121
John. J. Fitzgerald	4	1105	944	775	205	3029
Walter F. Holmes	1	14805	18740	20750	24205	78500
F. W. Marshall	5	357	325	300	6160	7142
C. W. Parkhurst	2	110	12637	11340	689	14776
H. B. Ramsey	6	4625	5500	6500	3360	19985
Grover C. Twiss	7	809	1202	805	733	3549
Totals		21929	29350	40471	35352	127102

		<u>1 9 3 3</u>				<u>Total</u>
		<u>25%</u>	<u>50%</u>	<u>Acres</u> <u>75%</u>	<u>100%</u>	
M. H. Donovan	3	13	.272 1/8	13
John J. Fitzgerald	4	279 1/8	206	610	52	144 1/8
Walter F. Holmes	1	22175	25700	26725	34175	108775
F. W. Marshall	5	...	80	447	1120	1647
C. W. Parkhurst	2	4077	8006	16139	8668	36890
H. B. Ramsey	6	415	350	120	885
Grover C. Twiss	7	5			204	209
		26964 1/8	34342	44041	44219	148533 1/8