County-based Pest Distribution Dataset Metadata

This county-based dataset of forest pest distributions in the northeast is compiled from a variety of state and federal data sources including aerial detection survey and ground-based field observations and reports made by state forestry agency and U.S. Forest Service personnel. This data set is intended to provide a regional view of pest distributions and activity by year, from 1991 through the present.

The pests included in this data set fall into one of two categories – defoliators or non-defoliators. Field names are comprised of an alpha-character code corresponding to the pest and a two-digit code for the year. Field values are either "0" or "1". For defoliators, a value of 0 indicates that for the given pest and year, no defoliation caused by that pest was reported in the county. A value of 1 indicates that defoliation caused by the pest in question was reported in the county in that year. For non-defoliators, a value of 0 indicates that the pest has not yet been detected in the county. A value of 1 indicates that the pest has been detected in that county. Once a non-defoliating pest has been detected in a county, all subsequent years are coded with a value of 1 for that pest in that county.

Note: Not all pests are included in every year's series, depending on the perceived significance of the pest over the long term. For example, hemlock looper was tracked 1991 and 1992 but not in subsequent years while emerald ash borer has been tracked from 2002 through the present. *Consequently, it is important for users to be aware that any apparent discrepancies between polygonal Aerial Survey Damage data and County-based Pest Distribution data result from differences in data collection methods (i.e. ground-based vs. aerial surveys), and do not reflect differences in actual real-world conditions.*

The County-Pest data, as seen in the Aerial Survey Viewer, is the product of a data join between this and existing US County spatial data (join based on county FIPS codes).

Defoliators:

FTC	forest tent caterpillar	*Malacosoma disstria*
GM	gypsy moth	*Lymantria dispar*
HL	hemlock looper	*Lambdina fiscellaria*
SBW	spruce budworm	*Choristoneura fumiferana*
SPB	southern pine beetle	*Dendroctonus frontalis*
WM	winter moth	*Operophtera brumata*

Non-defoliators:

ALB	Asian longhorned beetle	*Anoplophora glabripennis*
BBD	beech bark disease	*Nectria coccinea*
BNC	butternut canker	*Sirococcus clavigignenti-juglandacearum*
EAB	emerald ash borer	*Agrilus planipennis*
HWA	hemlock woolly adelgid	*Adelges tsugae*
SN	Sirex woodwasp	*Sirex noctillio*

na_pest_2010

FID	Shape *	FIPS	ST	CNTYNAME	ALB10	BBD10	BNC10	CPSB10	DWA10	EAB10	FTC10	GM10	HWA10	SBW10	SPB10	SN10	WM10
0	Polygon	27077	MN	LAKE OF THE WOODS	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Polygon	27135	MN	ROSEAU	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Polygon	27069	MN	KITTSON	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Polygon	27071	MN	KOOCHICHING	0	0	0	0	0	0	0	0	0	1	0	0	0
4	Polygon	27137	MN	ST LOUIS	0	0	0	0	0	0	0	0	0	1	0	0	0
5	Polygon	27089	MN	MARSHALL	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Polygon	27007	MN	BELTRAMI	0	0	0	0	0	0	1	0	0	1	0	0	0
7	Polygon	27031	MN	COOK	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Polygon	26083	MI	KEWEENAW	0	0	0	0	0	0	0	0	0	0	0	0	0

Figure 1. Screen capture of Pest Distributions Database showing FIPS codes, state abbreviation, county name and 2010 field names. Records are coded either 0 or 1 presence/absence of defoliation damage (defoliators), or presence/absence of the pest (non-defoliators) in that county for the given year.

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