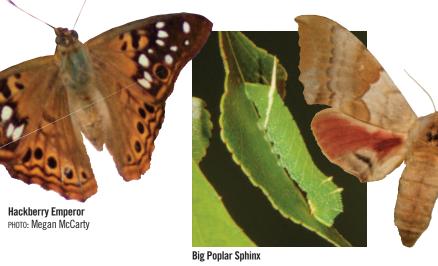
## NATIVE aterpillars Noths and Butterflies and host NATIVE NATIVE Woodies









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127

Number of species

Honey locust Moth caterpillar

Tn a study published in 2009, Dr. Douglas W. Tallamy, Ph.D, chair of the Department of Entomology and Wildlife Ecology at the University of Delaware specifically addressed the usefulness of native woodies as host plants for our native caterpillars (and obviously therefore moths and butterflies).

We present here a partial list, and the number of Lepidopteran species that rely on them. Please note that two genera (Rhamnus and Frangula) are marked \*\*. Both have species commonly named 'buckthorn'. In fact, both genera have more native than non-native buckthorns.

Keep this list in mind as you think about replacing the ash trees that have succumbed to the emerald ash borer. http://plants.usda.gov/ is an excellent site to check-out any uncertainties.

	or outer pinars	
Oaks (Quercus)	557	Beeches (Fagus)
Cherries (Prunus)	456	Serviceberry (Ame
Willows (Salix)	455	Larches or Tamara
Birches (Betula)	411	Dogwoods (Cornu
Poplars (Populus)	367	Firs (Abies)
Crabapples (Malus)	308	Bayberries (Myrica
Maples (Acer)	297	Viburnums (Vibur
Blueberries (Vaccinium)	294	Currants (Ribes)
Alders (Alnus)	255	Hop Hornbeam (C
Hickories (Carya)	235	Hemlocks (Tsuga)
Elms (Ulmus)	215	Spireas (Spiraea)
Pines (Pinus)	201	Grapes (Vitis)
Hawthorns (Crataegus)	168	Douglas-fir (Pseud
Berries (Rubus)	163	Locusts (Robinia)
Spruces (Picea)	150	Hornbeams (Carp
Ashes (Fraxinus)	149	Mountain ashes (S
Linden or Basswood (Tilia)	) 149	Sweetfern (Comp

Cherries (Prunus)	456	Serviceberry (Amelanchier)	124
Willows (Salix)	455	Larches or Tamaracks (Larix)	121
Birches (Betula)	411	Dogwoods (Cornus)	118
Poplars (Populus)	367	Firs (Abies)	117
Crabapples (Malus)	308	Bayberries (Myrica)	108
Maples (Acer)	297	Viburnums (Viburnum)	104
Blueberries (Vaccinium)	294	Currants (Ribes)	99
Alders (Alnus)	255	Hop Hornbeam (Ostrya)	94
Hickories (Carya)	235	Hemlocks (Tsuga)	92
Elms (Ulmus)	215	Spireas (Spiraea)	89
Pines (Pinus)	201	Grapes (Vitis)	79
Hawthorns (Crataegus)	168	Douglas-fir (Pseudotsuga)	76
Berries (Rubus)	163	Locusts (Robinia)	72
Spruces (Picea)	150	Hornbeams (Carpinus)	68
Ashes (Fraxinus)	149	Mountain ashes (Sorbus)	68
Linden or Basswood (Tilia)	149	Sweetfern (Comptonia)	64
Pears (Pyrus)	138	Witch-hazels (Hamamelis)	63
Roses (Rosa)	135	Sumacs (Rhus)	58
Filberts (Corylus)	131	Rhododendrons (Rhododendro	n) 51
Walnut (Juglans)	129	Arborvitaes (Thuja)	50
Chestnuts (Castanea)	127	Persimmons (Diospyros)	46

Honey-locusts (Gleditsia)	46	Magnolias (Magnolia)
New Jersey Tea (Ceanothus)	45	Buttonbush (Cephalanthu
Sycamores (Platanus)	45	Redbuds (Cercis)
Huckleberry (Gaylussacia)	44	Green-briar (Smilax)
Hackberry (Celtis)	43	Wisterias (Wisteria)
Junipers (Juniperus)	42	Redbay (native) (Persea)
Elders (Sambucus)	42	Bearberry (Arctostaphylos
Ninebark (Physocarpus)	41	Bald cypresses (Taxodium
Lilacs (Syringa)	40	Leatherleaf (Chamaedaph
Hollies (Ilex)	39	Poison Ivy (Toxicodendro
Sassafras (Sassafras)	38	Sourwood (Oxydendrum)
Honeysuckles (Lonicera)	37	Pepper vine (Ampelopsis)
Sweet-gums (Liquidambar)	35	Madrone (Arbutus)
Mountain-laurel (Kalmia)	33	Pawpaw (Asimina)
Buckeyes (Aesculus)	33	Colorado Barberry (Berber
Virginia Creeper (Parthenocissus)		Prairie Acacia (Acacia)
Red and Black Chokeberries	34	Euonymus (Euonymus)
(Photinia)	29	Buckthorn** (Frangula)
	26	Spicebush (Lindera)
Black Gums or Tupelo (Nyssa)		
Snowberries (Symphoricarpos)	25	Fetterbush (Lyonia)
Buffalo-berries (Shepherdia)	22	Summersweet (Clethra)
Tulip-trees (Liriodendron)	21	Buckthorns** (Rhamnus)

Magnolias (Magnolia)	21
Buttonbush (Cephalanthus)	19
Redbuds (Cercis)	19
Green-briar (Smilax)	19
Wisterias (Wisteria)	19
Redbay (native) (Persea)	18
Bearberry (Arctostaphylos)	17
Bald cypresses (Taxodium)	16
Leatherleaf (Chamaedaphne)	15
Poison Ivy (Toxicodendron)	15
Sourwood (Oxydendrum)	14
Pepper vine (Ampelopsis)	13
Madrone (Arbutus)	12
Pawpaw (Asimina)	12
Colorado Barberry (Berberis)	12
Prairie Acacia (Acacia)	11
Euonymus (Euonymus)	11
Buckthorn** (Frangula)	11
Spicebush (Lindera)	11
Fetterbush (Lyonia)	11
Summersweet (Clethra)	10

bidentata) larvae feed exclusively on elms (Ulmus), and can be found June through October. Their body shape mimics the toothed shape of American elm, making them hard to spot. The adult moth is small with a wingspan of 3-4 cm. Honey locust caterpillar feeds on honey locust, and Kentucky coffee trees.

Double-toothed Prominent (Nerice

Asterocampa celtis, the Hackberry Emperor caterpillar, feeds exclusively on Hackberry (Celtis) species. Cats overwinter in groups, inside rolled, dead leaves.

Big poplar sphinx larvae (*Pachysphinx* occidentalis) feed on poplars (Populus), and willows (Salix). The adult moth's wingspan is an impressive 13-15 cm. (5-6 inches).

Giant swallowtail (*Papilio cresphontes*) larvae feed on trees and herbs of the citrus family (Rutaceae), prickly ash, hop tree, and common rue. The adult is the largest butterfly in Canada and United States, with a wingspan of 10-16 cm. (3.9-6-3 inches).

Cecropia silkmoth (*Hyalophora cecropia*) caterpillars feed in groups on various trees and shrubs including maples (Acer), wild cherries and plums (Prunus), apples (Malus), alder and birch (Betulaceae), dogwoods (Cornus), and willows (Salix). Adult moths do not feed. They have a wingspan of 11-15 cm.







Cecropia newly emerged male PHOTO: Charles Benjamin Schwamb

Giant Swallowtail larva defensive red horns extended

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Giant Swallowtail PHOTO: Christer Johansson

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