

Cornelissen, T., Wilson Fernandes, G. and Vasconcellos-Neto, J. 2008. Size does matter: variation in herbivory between and within plants and the plant vigor hypothesis. – Oikos 117: 1121–1130.

Appendix 1. Studies used in the meta-analytical review of the effects of plant vigor on herbivore abundance and survivorship.

Author	Host plant	Insect species	Order	Guild	Effect measured
Akimoto 1994	<i>Ulmus davidiana japonica</i>	<i>Tetraneura sp.</i>	Homoptera	galler	fecundity
Gonçalves-Alvim et al. 1999	<i>Maytenus salicifolia</i>	<i>Cecidomyiidae</i>	Diptera	galler	abundance
Gonçalves-Alvim et al. 1999	<i>Baccharis dracunculifolia</i>	<i>Neopelma burchardiae</i>	Homoptera	galler	abundance
Gonçalves-Alvim et al. 1999	<i>Baccharis dracunculifolia</i>	<i>Rhaphophonyia friburgensis</i>	Diptera	galler	abundance
Gonçalves-Alvim et al. 1999	<i>Vernonia polyanthes</i>	<i>Cecidomyiidae</i>	Diptera	galler	abundance
Gonçalves-Alvim et al. 2001	<i>Avicenia germinans</i>	<i>Cecidomyia avicenniae</i>	Diptera	galler	abundance
Auslander et al. 2003	<i>Pistacia lentiscus</i>	<i>Aphoneura lentisci</i>	Homoptera	galler	abundance
Bailey and Whitham 2006	<i>Populus angustifolia</i>	<i>Phyllocopta sp.</i>	Hymenoptera	galler	abundance
Briese et al. 2003	<i>Onopordum acanthium</i>	<i>Botanophilus spinosa</i>	Diptera	flower feeder	abundance
Burstein and Wool 1993	<i>Pistacia sp.</i>	<i>Smynthurodes betae</i>	Homoptera	galler	abundance
Caouette and Price 1989	<i>Rosa arizonica</i>	<i>Diplolepis fusiformans</i>	Hymenoptera	galler	abundance
Caouette and Price 1989	<i>Rosa arizonica</i>	<i>Diplolepis spinosa</i>	Hymenoptera	galler	abundance
Carr et al. 1998	<i>Salix lasiolepis</i>	<i>Nematus oligospilus</i>	Hymenoptera	chewer	abundance
Castellanos et al. 2006	<i>Poulsenia armata</i>	<i>Cecidomyiidae</i>	Diptera	galler	abundance
Cornelissen and Fernandes 2001	<i>Bauhinia brevipes</i>	<i>Contarinia sp.</i>	Diptera	galler	abundance
Cornelissen and Fernandes 2001	<i>Bauhinia brevipes</i>	<i>Pantamonius sp., Naupactus lar</i>	Coleoptera	chewer	abundance
Cornelissen et al. 1997	<i>Bauhinia brevipes</i>	<i>Cecidomyiidae</i> sp. 1	Diptera	galler	abundance
Cornelissen et al. 1997	<i>Bauhinia brevipes</i>	<i>Cecidomyiidae</i> sp. 2	Diptera	galler	abundance
Cornelissen et al. 1997	<i>Bauhinia brevipes</i>	<i>Geometridae</i> sp. 1	Lepidoptera	chewer	abundance
Craig et al. 1989	<i>Solidago altissima</i>	<i>Eurya lasiolepis</i>	Diptera	galler	abundance
Craig et al. 1999	<i>Solidago altissima</i>	<i>Eurosta solidaginis</i>	Diptera	galler	abundance
Craig et al. 2000	<i>Solidago gigantea</i>	<i>Eurosta solidaginis</i>	Diptera	galler	abundance
DeBruyn 1995	<i>Phragmites australis</i>	<i>Lipara lucens</i>	Diptera	galler	abundance
DeSouza et al. 2001	<i>Solanum hyocarpum</i>	<i>Collabisimus citellae</i>	Coleoptera	galler	abundance
Dhileepan and McFadyen 2001	<i>Parthenium hysterophorus</i>	<i>Epiblema strenuana</i>	Lepidoptera	galler	abundance
Dhileepan 2004	<i>Parthenium hysterophorus</i>	<i>Epiblema strenuana</i>	Lepidoptera	galler	abundance
Eliason and Potter 2000	<i>Quercus palustris</i>	<i>Caliphritis cornigera</i>	Hymenoptera	galler	abundance
Faria and Fernandes 2001	<i>Baccharis dracunculifolia</i>	<i>Neopelma burchardiae</i>	Homoptera	galler	abundance, survivorship
Faria et al. 1994	<i>Erythroxylum suberosum</i>	<i>Sciarabidae</i> sp. 1	Coleoptera	chewer	abundance, survivorship
Feller and Mathis 1997	<i>Rhizophora mangle</i>	several sp.	stem borer	abundance	abundance
Feller and Mathis 1997	<i>Rhizophora mangle</i>	several sp.	chewer	abundance	abundance
Fernandes et al. 2004	<i>Cariocar brasiliense</i>	several sp.	sap sucker	abundance	abundance
Fernandes et al. 2004	<i>Cariocar brasiliense</i>	several sp.	chewer	abundance	abundance
Ferrier and Price 2004	<i>Salix scouleriana</i>	<i>Eurya sp.</i>	Hymenoptera	galler	abundance, survivorship
Fondriest and Price 1996	<i>Cirsium wheeleri</i>	<i>Orellia occidentalis</i>	Diptera	flower feeder	abundance
Freitas et al. 1999	several sp.	several sp.	Lepidoptera	chewer	abundance

Fritz et al. 2000	<i>Salix discolor</i>	Hymenoptera
Fritz et al. 2003	<i>Salix discolor</i>	Hymenoptera
Glynn and Larsson 1994	<i>Salix viminalis</i>	Diptera
Heisswolf et al. 2005	<i>Salvia pratensis</i>	Coleoptera
Juenger et al. 2005	<i>Ipomopsis aggregata candida</i>	Diptera
Inbar et al. 2001	<i>Lycopersicum esculentum</i>	Diptera
Ito and Hijii 2004	<i>Quercus serrata</i>	Hymenoptera
Kimberling et al. 1990	<i>Vitis arizonica</i>	Homoptera
Kimberling and Price 1996	<i>Vitis arizonica</i>	Homoptera
Kozlov 2003	<i>Alnus incana</i>	Lepidoptera
Krause and Raffa 1996	<i>Larix decidua</i>	Hymenoptera
Krause and Raffa 1996	<i>Larix leptolepis</i>	Hymenoptera
Kuczynski and Skoracka 2005	<i>Salix</i> spp.	Acarı
Leyva et al. 2000	<i>Pseudotsuga menziesii</i>	Lepidoptera
Manninen et al. 1998	<i>Pinus sylvestris</i>	Homoptera
Manninen et al. 1998	<i>Pinus sylvestris</i>	Homoptera
Martinez and Wool 2006	<i>Pistacia atlantica</i>	Hemiptera
Martinez and Wool 2006	<i>Pistacia atlantica</i>	Homoptera
Martinez and Wool 2006	<i>Pistacia atlantica</i>	Homoptera
Martinez and Wool 2006	<i>Pistacia palestina</i>	Homoptera
Martinez and Wool 2006	<i>Pistacia palestina</i>	Homoptera
Martinez and Wool 2006	<i>Pistacia palestina</i>	Homoptera
Martinez and Wool 2006	<i>Pistacia palestina</i>	Homoptera
Martinez and Wool 2006	<i>Pistacia palestina</i>	Homoptera
McGeoch and Price 2005	<i>Salix lasiolepis</i>	Hymenoptera
McKinnon et al. 1999	<i>Picea glauca</i>	Hemiptera
Nogueira-Sa and Netto 2003	<i>Calea pinnatifida</i>	Coleoptera
Nogueira-Sa and Netto 2003	<i>Mikania cordifolia</i>	Coleoptera
Nogueira-Sa and Netto 2003	<i>Baccharis trimera</i>	Coleoptera
Pires and Price 2000	<i>Quercus garrettii</i>	Hymenoptera
Prada et al. 1995	<i>Aspilia foliacea</i>	Coleoptera
Prada et al. 1995	<i>Aspilia foliacea</i>	Diptera
Prezler and Price 1995	<i>Salix lasiolepis</i>	Lepidoptera
Price et al. 1987	<i>Salix cinerea</i>	Hymenoptera
Price et al. 1995	<i>Caesalpina</i> sp.	Homoptera
Price et al. 1995	<i>Eupatorium macrorhynchum</i>	Homoptera
Price et al. 1995	<i>Bracharia ruizii</i>	Homoptera
	<i>Phyllocolpa leavitii</i>	galler
	<i>Phyllocolpa leavitii</i>	galler
	<i>Dasineura marginemtorquens</i>	Diptera
	<i>Cassida camaliculata</i>	chewer
	<i>Delia</i> sp.	flower feeder
	<i>Liriomyza trifolii</i>	miner
	<i>Andricus moriovae</i>	galler
	<i>Dactulosphaera vitifoliae</i>	galler
	<i>Dactulosphaera vitifoliae</i>	galler
	<i>Phyllonorycter strigulatella</i>	miner
	<i>Pristiphora erichsonii</i>	chewer
	<i>Pristiphora erichsonii</i>	chewer
	<i>Aculus tetanothrix</i>	galler
	<i>Choristoneura occidentalis</i>	chewer
	<i>Schizolachnus pineti</i>	sap sucker
	<i>Eulachnus agilis</i>	sap sucker
	<i>Lygus rugulipennis</i>	chewer
	<i>Slatum wertheimae</i>	galler
	<i>Fordia ricobonii</i>	galler
	<i>Smynthurodes betae</i>	galler
	<i>Geocia</i> sp.	galler
	<i>Baizongia pistaciae</i>	galler
	<i>Paractetus cimiciformis</i>	galler
	<i>Fordia marginata</i>	galler
	<i>Fordia formicaria</i>	galler
	<i>Geocia wertheimae</i>	galler
	<i>Enura lasiolepis</i>	galler
	<i>Adelges abietis</i>	galler
	<i>Stolas chalybea</i>	chewer
	<i>S. areolata</i>	chewer
	<i>Anacassis phacopoda</i>	chewer
	<i>Andricus</i> sp.	galler
	unidentified	flower feeder
	unidentified	miner
	<i>Phyllonorycter</i> sp.	galler
	<i>Enura mucronata</i>	sucker
	<i>Encenopa</i> sp.	sucker
	<i>Aulacizes</i> spp.	sucker
	<i>Deois flavopicta</i>	sucker

Price et al. 1995	<i>Myrica itambensis</i>	unidentified	Homoptera	abundance
Price et al. 1995	<i>Palicourea rigida</i>	unidentified	Diptera	abundance
Price and Ohgushi 1995	<i>Salix mijabeana</i>	<i>Phyllocolpa</i> sp.	Hymenoptera	abundance, survivorship
Price et al. 1997	<i>Salix alba</i>	<i>Eurya atra</i>	Hymenoptera	abundance
Price et al. 2004	<i>Salix serissafolia</i>	<i>Pontania mandshurica</i>	Hymenoptera	abundance
Price et al. 2004	<i>Salix sachalinensis</i>	<i>P. cf. arcticornis</i>	Hymenoptera	abundance
Price et al. 2004	<i>Salix myrsinifolia</i>	<i>P. aestiva</i>	Hymenoptera	abundance
Price et al. 2004	<i>Salix lasiolepis</i>	<i>P. pacifica</i>	Hymenoptera	abundance
Price et al. 2004	<i>Betula pendula</i>	several sp.	Lepidoptera	abundance
Raman and Abrahamson 1995	<i>Solidago altissima</i>	<i>Rhopalomyia solidaginis</i>	Diptera	abundance
Rehill and Schultz 2001	<i>Hamamelis virginiana</i>	<i>Hormaphis hamamelidis</i>	Homoptera	abundance, survivorship
Ribeiro et al. 1998	<i>Calophyllum brasiliense</i>	<i>Lopelia</i> sp.	Diptera	abundance
Roininen et al. 1997	<i>Populus balsamifera</i>	<i>Phyllocolpa</i> sp.	Hymenoptera	abundance
Roininen et al. 1997	<i>Salix novae-angliae</i>	<i>Phyllocolpa</i> sp.	Hymenoptera	abundance
Ruel and Whitham 2002	<i>Pinus edulis</i>	<i>Doryctria albovittella</i>	Lepidoptera	abundance
Rudgers and Whitney 2006	<i>Baccharis pilularis</i>	<i>Rhopalomyia californica</i>	Diptera	abundance
Rudgers and Whitney 2006	<i>Baccharis pilularis</i>	<i>Gnorimoschema baccharisella</i>	Lepidoptera	abundance
Santos et al. 2007	<i>Bauhinia brevipes</i>	<i>Schizomyia macrocapillata</i>	Diptera	abundance, survivorship
Shibata 2005	<i>Phylllostachys heterocycla</i>	<i>Aiolomorphus rhoaploides</i>	Hymenoptera	abundance, survivorship
Spiegel and Price 1996	<i>Pinus ponderosa</i>	<i>Rhyacionia neomexicana</i>	Lepidoptera	abundance
Stastny et al. 2005	<i>Senecio jacobaea</i>	<i>Longitarsus jacobaeae</i>	Coleoptera	abundance
Tedder and Tammaru 2002	<i>Typha latifolia</i>	<i>Nonagria typha</i>	Lepidoptera	abundance
Tedder and Tammaru 2002	<i>Typha latifolia</i>	<i>Archanaara sparganii</i>	Lepidoptera	abundance
Throop and Fay 1999	<i>Ceanothus herbaceous</i>	<i>Periplaca ceanothiella</i>	Lepidoptera	abundance
Tschamnke 1988	<i>Phragmites australis</i>	<i>Giraudiella inclusa</i>	Diptera	abundance
Vieira et al. 1996	<i>Palicourea rigida</i>	<i>Contarinia</i> sp.	Diptera	abundance
Ya-Idé 2006	<i>Boehmeria niphonivea</i>	<i>Arce coerulea</i>	Lepidoptera	abundance
Woods et al. 1996	<i>Salix exigua</i>	<i>Eurya</i> sp.	Hymenoptera	survivorship