

Table Extension websites^a

Insect pests

Anobiidae

- FL http://creatures.ifas.ufl.edu/urban/stored/cigarette_beetle.htm (2006)
IA <http://www.ipm.iastate.edu/ipm/iiin/bciarett.html> (2005)
IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-239.pdf> (2003)
NY <http://www.entomology.cornell.edu/Extension/DiagnosticLab/IDLFS/CigDrugstoreBeetles/CigDrugstoreBeetles.html> (2004)
OH <http://ohioline.osu.edu/hyg-fact/2000/2083.html> (N)
PA http://www.ento.psu.edu/extension/factsheets/images/cigarette_beetle.htm (2003)
PA http://www.ento.psu.edu/extension/factsheets/cigarette_beetle.htm (1998)
PA http://www.ento.psu.edu/extension/factsheets/drugstore_beetle.htm (1988)
RI <http://www.uri.edu/ce/factsheets/sheets/cigbeetle.html> (1999)
SC <http://entweb.clemson.edu/cuentres/eiis/pdfs/hs30.pdf> (2001)
SC <http://entweb.clemson.edu/cuentres/eiis/pdfs/hs31.pdf> (2001)
TX <http://citybugs.tamu.edu/FastSheets/Ent-1013.html> (2002)
VA <http://www.ext.vt.edu/departments/entomology/factsheets/cigarett.html> (1996)
VA <http://www.ext.vt.edu/departments/entomology/factsheets/drugstor.html> (1996)
VT <http://www.uvm.edu/extension/publications/el/el227.htm> (2003)
WV <http://www.wvu.edu/~agexten/ipm/insects/hpm8003.pdf> (N)
WV <http://www.wvu.edu/~exten/infores/pubs/pest/hpm8004.pdf#search='university%20of%20west%20virginia%20pantry%20pests> (N)

Bostrichidae

- FL <http://edis.ifas.ufl.edu/IG117> (1999)
IN <http://www.entm.purdue.edu/entomology/ext/targets/e-series/EseriesPDF/E-66.pdf#search='mason%20lesser%20grain%20borer'> (2003)
KY <http://www.uky.edu/Ag/Entomology/entfacts/fldcrops/ef137.htm> (2000)
MT <http://highplainsipm.org/HpIPMSearch/Docs/LesserGrainBorer-StoredGrain.htm> (2004)

Bruchidae

- OH <http://ohioline.osu.edu/hyg-fact/2000/2085.html> (N)
VT <http://www.uvm.edu/extension/publications/el/el77.htm> (1997)

Curculionidae

- IA <http://www.ipm.iastate.edu/ipm/iiin/ricewee.html> (2005)
IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-237.pdf> (2003)
OH <http://ohioline.osu.edu/hyg-fact/2000/2088.html> (N)
PA http://www.ento.psu.edu/extension/factsheets/weevils_stored_grain.htm (N)

Dermestidae

- CA <http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn7436.html> (2001)
CO <http://www.ext.colostate.edu/pubs/insect/05549.html> (2006)
FL http://creatures.ifas.ufl.edu/fabric/black_carpet_beetle.htm (1997)
FL <http://edis.ifas.ufl.edu/IN667> (2006)
IA <http://www.ipm.iastate.edu/ipm/iin/bcarpetb.html> (2005)
IA <http://www.ipm.iastate.edu/ipm/iin/blarderb.html> (2006)
IA <http://www.ipm.iastate.edu/ipm/iin/node/187> (2006)
IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-230.pdf> (2003)
KS <http://www.oznet.ksu.edu/library/entml2/ep119.pdf> (2004)
KY <http://www.uky.edu/Ag/Entomology/entfacts/struct/ef601.htm> (1997)
ME <http://pmo.umext.maine.edu/factsht/carpetbl.htm> (2004)
ME <http://pmo.umext.maine.edu/factsht/larder.htm> (2004)
NY <http://www.entomology.cornell.edu/Extension/DiagnosticLab/IDLFS/LarderBeetle/LarderBeetle.html> (2004)
MN <http://www.extension.umn.edu/projects/yardandgarden/ygbriefs/e607larderbeetle.html> (2002)
OH <http://ohioline.osu.edu/hyg-fact/2000/2103.html> (Carpet) (N)
OH <http://ohioline.osu.edu/hyg-fact/2000/2104.html> (Hide & Larder) (N)
PA <http://www.ento.psu.edu/extension/factsheets/pdfs/blackCarpetBeetle.pdf> (2003)
RI <http://www.uri.edu/ce/factsheets/sheets/larderbeetle.html> (1999)
TX <http://citybugs.tamu.edu/FastSheets/Ent-1045.html> (2001)
VA <http://www.ext.vt.edu/departments/entomology/factsheets/larder.html> (1996)
VT <http://www.uvm.edu/extension/publications/el/el27.htm> (2003)
VT <http://www.uvm.edu/extension/publications/el/el7.htm> (2003)
WV <http://www.wvu.edu/~agexten/ipm/insects/hpm8001.pdf> (N)

Gelechiidae

- ID <http://www.idahoag.us/Categories/PlantsInsects/RegulatedAndInvasiveInsects/Documents/UofIPTWCIS1125.pdf> (2000)
IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-236.pdf> (2003)
PA http://www.ento.psu.edu/extension/factsheets/angoumois_grain_moth.htm (1990)

Laemophloeidae

- IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-227.pdf> (2003)

Nitidulidae

- IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-229.pdf> (2004)
MI <http://www.ent.msu.edu/Extension/WBY/bugging%20you%20articles/Picnic%20Beetles.htm> (2004)
OH <http://ohioline.osu.edu/hyg-fact/2000/2047.html> (N)
VT <http://www.uvm.edu/extension/publications/el/el80.htm> (2003)

Ptinidae

IA <http://www.ipm.iastate.edu/ipm/iin/spiderb.html> (2005)

OH <http://ohioline.osu.edu/hyg-fact/2000/2117.html> (N)

Pyralidae

AL <http://www.aces.edu/pubs/docs/A/ANR-1197/> (N)

CO <http://www.ext.colostate.edu/pubs/insect/05598.html> (2006)

FL http://creatures.ifas.ufl.edu/urban/stored/indianmeal_moth.htm (2006)

IA <http://www.ipm.iastate.edu/ipm/iin/mindianm.html> (2005)

IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-223.pdf> (2003)

KY <http://www.uky.edu/Ag/Entomology/entfacts/pdfs/entfa136.pdf> (N)

MN <http://www.extension.umn.edu/distribution/cropsystems/DC0996.html> (control) (2002)

NY <http://www.entomology.cornell.edu/Extension/DiagnosticLab/IDLFS/IndianMealMoth/IndianMealMoth.html> (2003)

OH <http://ohioline.osu.edu/hyg-fact/2000/2089.html> (N)

PA http://www.ento.psu.edu/extension/factsheets/indian_meal_moth.htm (1990)

PA http://www.ento.psu.edu/extension/factsheets/med_flour_moth.htm (1988)

SC <http://entweb.clemson.edu/cuentres/eiis/pdfs/hs32.pdf> (2001)

TN <http://www.utextension.utk.edu/publications/spfiles/SP341-W.pdf> (2005)

VA <http://www.ext.vt.edu/departments/entomology/factsheets/moths.html> (1996)

VT <http://www.uvm.edu/extension/publications/el/el4.htm> (2003)

WV <http://www.wvu.edu/~exten/infores/pubs/pest/hpm8005.pdf#search='university%20of%20west%20virginia%20pantry%20pests'> (N)

Silvanidae

FL http://creatures.ifas.ufl.edu/urban/stored/o_acuminatus.htm (2006)

IA <http://www.ipm.iastate.edu/ipm/iin/bsawtooth.html> (2005)

IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-228.pdf> (2003)

MI <http://web1.msue.msu.edu/msue/imp/mod02/01500523.html> (1998)

ME <http://pmo.umext.maine.edu/factsht/grainbtl.htm> (2004)

MT <http://www.highplainsipm.org/HpIPMSearch/docs/sawtoothedgrainbeetle-storedgrain.htm> (2004)

OH <http://ohioline.osu.edu/hyg-fact/2000/2086.html> (N)

PA http://www.ento.psu.edu/extension/factsheets/sawtoothed_grain_beetle.htm (2003)

SC <http://entweb.clemson.edu/cuentres/eiis/pdfs/hs46.pdf> (2004)

VA <http://www.ext.vt.edu/departments/entomology/factsheets/sawtooth.html> (1996)

Tenebrionidae

FL http://creatures.ifas.ufl.edu/urban/beetles/red_flour_beetle.htm (2006)

IA <http://www.ipm.iastate.edu/ipm/iin/bredflou.html> (2005)

IA <http://www.ipm.iastate.edu/ipm/iin/mealworm.html> (2005)

IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-224.pdf> (2003)

KY <http://www.uky.edu/Ag/Entomology/entfacts/pdfs/entfa135.pdf> (N)
KY <http://www.uky.edu/Ag/Entomology/entfacts/pdfs/entfa507.pdf> (lesser) (N)
ME <http://pmo.umext.maine.edu/factsht/flourbtl.htm> (2004)
ME <http://pmo.umext.maine.edu/factsht/lessmeal.htm> (2004)
ME <http://pmo.umext.maine.edu/factsht/mealwm.htm> (2004)
MI <http://web1.msue.msu.edu/msue/imp/mod02/01500523.html> (1998)
OH <http://ohioline.osu.edu/hyg-fact/2000/2087.html> (N)
OH <http://ohioline.osu.edu/hyg-fact/2000/2172.html> (lesser) (N)
OH <http://ohioline.osu.edu/hyg-fact/2000/2093.html> (N)
OH <http://ohioline.osu.edu/hyg-fact/2000/2135.html> (rearing) (N)
MT <http://scarab.msu.montana.edu/HPIPMSearch/docs/redflourbeetle-storedgrain.htm> (2004)
PA http://www.ento.psu.edu/extension/factsheets/confused_flour_beetle.htm (1990)
PA http://www.ento.psu.edu/extension/factsheets/dark_yellow_meal_worms.htm (1988)
VA <http://www.ext.vt.edu/departments/entomology/factsheets/confused.html> (1996)
VA <http://www.ext.vt.edu/departments/entomology/factsheets/mealworm.html> (1996)
VT <http://www.uvm.edu/extension/publications/el/el36.htm> (2003)

Tineidae

CA <http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn7435.html> (2000)
CO <http://www.ext.colostate.edu/pubs/insect/05599.html> (2006)
FL http://creatures.ifas.ufl.edu/urban/occas/household_casebearer.htm (2005)
GA <http://county.ces.uga.edu/cobb/Horticulture/Factsheets/ClothesMoth/clothes.htm> (2000)
KS <http://www.oznet.ksu.edu/library/entml2/ep122.pdf> (2004)
KY <http://www.uky.edu/Ag/Entomology/entfacts/struct/ef609.htm> (1997)
OH <http://ohioline.osu.edu/hyg-fact/2000/2107.html> (N)
PA http://www.ento.psu.edu/extension/factsheets/pdfs/clothes_moth.pdf (2003)
TN <http://www.utextension.utk.edu/publications/spfiles/SP341-J.pdf#search='pheromone%20tinea'> (1999)
VA <http://www.ext.vt.edu/departments/entomology/factsheets/clothesm.html> (1996)
VT <http://www.uvm.edu/extension/publications/el/el217.htm> (2003)

Trogositidae

KY <http://www.uky.edu/Ag/Entomology/entfacts/pdfs/entfa134.pdf> (N)

Fabric pest species and their management

DE <http://ag.udel.edu/extension/horticulture/pdf/ent/ent-33.pdf> (2004)
MN <http://www.extension.umn.edu/distribution/housingandclothing/DK1005.html> (1991)
MO <http://muextension.missouri.edu/xplor/agguides/pests/g07372.htm> (2006)
NE <http://lancaster.unl.edu/pest/resources/fabricpests010.shtml> (2006)
NM http://www.cahe.nmsu.edu/pubs/_c/c-504.html (2006)
NY <http://www.entomology.cornell.edu/Extension/DiagnosticLab/IDLFS/BeetlesInfestingWoolens/BeetlesInfestingWoolens.html> (2005)

SC <http://entweb.clemson.edu/cuentres/eiis/pdfs/hs14.pdf> (1998)

Fungus beetles

IA <http://www.ipm.iastate.edu/ipm/iin/bthenew.html> (2005)

IA <http://www.ipm.iastate.edu/ipm/iin/bredhorne.html> (N)

IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-226.pdf> (2003)

IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-232.pdf> (2003)

KY <http://www.uky.edu/Ag/Entomology/entfacts/struct/ef610.htm> (1997)

MN <http://www.extension.umn.edu/projects/yardandgarden/ygbriefs/e603foreigngb.html> (1998)

MO <http://muextension.missouri.edu/explore/agguides/pests/g07368.htm> (2006)

NE <http://lancaster.unl.edu/pest/resources/newhousebug.shtml> (N)

OH <http://ohioline.osu.edu/hyg-fact/2000/2084.html> (N)

PA http://www.ento.psu.edu/extension/factsheets/foreign_grain_beetles.htm (1988)

Mites

IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-222.pdf> (2004)

KY <http://www.uky.edu/Ag/Entomology/entfacts/struct/ef629.htm> (1995)

OH <http://ohioline.osu.edu/hyg-fact/2000/2152.html> (N)

PA http://www.ento.psu.edu/extension/factsheets/flour_mites.htm (1998)

Pantry pest species and their management

AK <http://www.uaf.edu/coop-ext/publications/freepubs/HGA-00062.pdf> (2006)

AR http://www.uaex.edu/Other_Areas/publications/PDF/FSA-7024.pdf#search='hopkins%20pantry%20pests' (2005)

AZ <http://ag.arizona.edu/urbanipm/insects/pantry.html> (N)

CA <http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn7452.html> (2002)

CO <http://www.ext.colostate.edu/pubs/insect/05501.html> (2005)

CO <http://www.ext.colostate.edu/pubs/insect/05572.html> (2006)

DE <http://ag.udel.edu/extension/horticulture/pdf/ent/ent-36.pdf> (2005)

FL <http://edis.ifas.ufl.edu/IG095> (2003)

FL http://edis.ifas.ufl.edu/BODY_IN027 (2006)

GA <http://county.ces.uga.edu/cobb/Horticulture/Factsheets/PantryPests/PantryPests.htm> (2006)

GA http://www.ent.uga.edu/pmh/Household_Stored_Products/household_insect.htm (2006)

IA <http://www.ent.iastate.edu/pest/stored/ic407-1.html> (N)

ID <http://info.ag.uidaho.edu/pdf/CIS/CIS0850.pdf#search='baird%20controlling%20stored%20product%20pest%20in%20home'> (N)

ID http://www.uidaho.edu/so-id/entomology/Pantry_pests.htm (N)

ID <http://www.uidaho.edu/so-id/entomology/cis.htm> (control) (N)

IL <http://www.urbanext.uiuc.edu/bugreview/pantrypests.html> (N)

IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-37.pdf> (2006)

KS <http://www.oznet.ksu.edu/pesticides-IPM/pesticides/mf2271.pdf> (1998)

KS <http://www.oznet.ksu.edu/library/entml2/mf2270.pdf> (1998)

KS <http://www.oznet.ksu.edu/library/ENTML2/NCR342.PDF> (1989)

KY <http://www.uky.edu/Ag/Entomology/entfacts/struct/ef638.htm> (home-cured meat) (1997)

KY <http://www.uky.edu/Ag/Entomology/entfacts/struct/ef635.htm> (low temperature) (2001)

KY <http://www.uky.edu/Ag/Entomology/entfacts/struct/ef612.htm> (N)

KY <http://www.uky.edu/Ag/Entomology/entfacts/misc/ef009.htm> (pesticide residues) (2004)

KY <http://www.uky.edu/Ag/Entomology/entfacts/struct/ef640.htm> (thermal disinfestation) (1997)

MI <http://www.ent.msu.edu/Extension/WBY/bugging%20you%20articles/Pantry%20pests.htm> (2004)

MN <http://www.extension.umn.edu/distribution/nutrition/DJ1000.html> (N)

MN <http://www.extension.umn.edu/distribution/horticulture/DG6269.html> (control) (2006)

MO <http://muextension.missouri.edu/explore/agguides/pests/g07370.htm> (2006)

NC <http://www.ces.ncsu.edu/depts/ent/notes/Urban/pantry.htm> (2000)

ND <http://www.ext.nodak.edu/extpubs/yf/home/e300w.htm> (2005)

ND <http://www.ext.nodak.edu/extnews/askext/housepes/311.htm> (1995)

NE <http://lancaster.unl.edu/pest/resources/pantrypests304.shtml> (N)

NH <http://extension.unh.edu/Pubs/HGPubs/KitchPst.pdf> (2001)

NH <http://extension.unh.edu/Agric/AGPMP/Pubs/67kitpsts.pdf> (2003)

NJ <http://www.rcrc.rutgers.edu/pubs/publication.asp?pid=E262> (2006)

NY <http://counties.cce.cornell.edu/suffolk/grownet/insect-pests/beetlesflour.htm> (2003)

OK <http://pods.dasnr.okstate.edu/docushare/dsweb/Get/Document-2286/F-7312web.pdf> (2002)

PA http://www.ento.psu.edu/extension/factsheets/cereal_pantry_pests.htm (1998)

PA <http://paipm.cas.psu.edu/pdf/commoninsects.pdf#search='household%20insect'> (1999)

RI <http://www.uri.edu/ce/factsheets/sheets/storedfoodpests.html> (1999)

SC <http://entweb.clemson.edu/cuentres/eiis/pdfs/hs13.pdf> (1998)

SC <http://hgic.clemson.edu/factsheets/HGIC3526.htm> (1999)

TX <http://citybugs.tamu.edu/FastSheets/Ent-1020.html> (2001)

TX <http://williamson-tx.tamu.edu/IPM/Pantry%20and%20Fabric%20Pests%20of%20the%20Home.pdf> (2002)

UT <http://extension.usu.edu/files/publications/factsheet/ENT-101-06.pdf> (2006)

VT <http://www.uvm.edu/extension/publications/el/el48.htm> (2003)

WA <http://www.puyallup.wsu.edu/plantclinic/resources/pdf/pls10cupboardbeetles.pdf#search='insects%20infesting%20home%20food'> (2004)

WI <http://cecommerce.uwex.edu/pdfs/A1984.PDF#search='controlling%20pantry%20pests%20wisconsin'> (N)

WI <http://www.uwex.edu/ces/cty/manitowoc/flp/documents/040404.pdf#search='insects%20infesting%20home%20food'> (2004)

WV <http://www.wvu.edu/~agexten/ipm/insects/insects.htm> (N)

Parasitic wasp

IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-225.pdf> (2003)

Predaceous pirate bugs

IN <http://www.entm.purdue.edu/Entomology/ext/targets/e-series/EseriesPDF/E-231.pdf> (2003)

Psocids

- IA <http://www.ipm.iastate.edu/ipm/iiin/psocids.html> (2005)
MN <http://www.extension.umn.edu/projects/yardandgarden/ygbriefs/e611psocid.html> (1999)
MT <http://scarab.msu.montana.edu/HPIPMSearch/docs/booklice-storedgrain.htm> (2004)
PA <http://www.ento.psu.edu/extension/factsheets/booklice.htm> (2003)
VA <http://www.ext.vt.edu/departments/entomology/factsheets/psocids.html> (1996)
VT <http://www.uvm.edu/extension/publications/el/el40.htm> (2003)

Stored grain pest species and their management

- AL <http://www.aces.edu/pubs/docs/A/ANR-1126/> (N)
AL <http://www.aces.edu/pubs/docs/A/ANR-0500-A/VOL1-2006/stgrain.pdf#search='stored%20grains%20insect%20control%20recommendations%20for%202006'> (control recommendations) (2006)
CO <http://www.ext.colostate.edu/pubs/insect/05545.pdf> (N)
IL http://web.aces.uiuc.edu/vista/pdf_pubs/iapm2k/chap07.pdf#search='insects%20attacking%20stored%20grain' (N)
IN <http://www.entm.purdue.edu/entomology/ext/targets/e-series/EseriesPDF/E-66.pdf> (2004)
KS <http://www.oznet.ksu.edu/library/ENTML2/MF726.PDF> (biology) (1987)
KS <http://www.oznet.ksu.edu/library/ageng2/mf855.pdf> (2005)
KS <http://www.oznet.ksu.edu/library/ENTML2/MF916.PDF> (ID and sampling) (1989)
KS <http://www.oznet.ksu.edu/library/ENTML2/MF917.PDF> (control) (2005)
KS <http://www.oznet.ksu.edu/library/grsci2/mf2113.pdf> (1995)
KS <http://www.oznet.ksu.edu/library/grsci2/srp737.pdf> (aeration) (1995)
LA <http://www.agctr.lsu.edu/NR/rdonlyres/D4883F1E-3801-47AE-9E01-108C43FF20A0/4590/StoredGrain.pdf#search='stored%20grain%20insects'> (N)
MN <http://www.extension.umn.edu/distribution/cropsystems/DC1034.html> (fumigation) (2002)
MN http://www.soybeans.umn.edu/crop/harvest/storage_insects.htm (2002)
MN <http://www.extension.umn.edu/distribution/cropsystems/DC0997.html> (2002)
MO <http://agebb.missouri.edu/storage/pests/insect.htm> (N)
MS <http://msucare.com/pubs/publications/p0913.pdf#search='protect%20stored%20grain'> (2003)
ND http://www.ag.ndsu.nodak.edu/aginfo/entomology/entupdates/ICG_05/e1143w23.htm (2005)
NE <http://lancaster.unl.edu/ag/crops/insevice/insectMgt.htm> (N)
OK <http://ipm.okstate.edu/ipm/sprec/f-7180.pdf> (N)
PA <http://www.ento.psu.edu/extension/factsheets/manageStoredGrain.htm> (1989)
SC <http://www.clemson.edu/psapublishing/PAGES/ENTOM/CE12.pdf#search='stored%20grain%20insects'>
TN <http://www.utextension.utk.edu/publications/pbfiles/PB1395.pdf#search='insects%20in%20farmstored%20grain'> (sampling) (2006)
WY <http://www.uwyo.edu/plants/wyopest/TrainingManuals/MANUAL22.pdf> (N)

a (N) means no date given.