

“Recommended” Pest Management Methods: Some of these are distinctly bad ideas, others are silly, and some may work. These are recommendations that pop up on an internet search for pest control, as well as the recommendation of a trusted IPM agency, not all are necessarily what you should do. Your ideas may be better than any “recommendation.” Always think through several pest management options before taking action.

Instructions: On your own, compare the strategy you developed to manage one of the pests assigned to your group, with the internet recommendations to deal with that pest. What are the pros and cons of each method? Why might there be differences in the methods? Have the internet answers changed your answer any?

The Pest	Pest Control Agency	Do-It Yourselfer	IPM Agency
Pavement Ant	Orkin http://www.orkin.com/ants/pavement-ant/	PestKill http://pestkill.org/ants/pavement/	CSU Extension http://www.ext.colostate.edu/pubs/insect/05518.html
	Contact a pest control professional.	Pour boiling water in mounds, place bait traps, practice good sanitation, keep food (pet and human) put away.	Remove food sources and place slow acting insecticides in baits.
Miller Moth	Bugspray.com http://bugspray.com/article/millermoth.html	The Prairie Homestead http://www.theprairiehomestead.com/2014/05/miller-moths.html	CSU Extension http://www.ext.colostate.edu/pubs/insect/05597.html
	Hand zapper, light trap, liquid sprays, aerosol sprays.	Bug zapper, porch lights off, soapy water under a light, vacuum them.	Reduce outdoor lighting, alter landscaping, place soapy water traps near lights.
Bed Bug	EnviroPest http://www.enviropest.com/bed-bug-removal	Do It Yourself Pest Control http://www.doyourownpestcontrol.com/bed-bugs.htm	CSU Extension http://www.ext.colostate.edu/pubs/insect/05574.html
	Call a professional to apply heat treatment, vacuum, and lay a light application of pesticide.	Bag personal items with insecticide strips, wash clothes and linens in hot water, thoroughly clean infested rooms, and vacuum very, very well.	Extensive and simultaneous heat treatment of potentially infested items, disposal of items too large to heat treat, repeated treatment of infested areas using insecticide or diatomaceous earth.
Fruit Flies	Adam’s Pest Control Inc. http://www.adamspestcontrol.com/residential-pest-information-flying-insects-flies-fruit-flies	About.com http://insects.about.com/od/insectssociety/qt/Make-A-Vinegar-Trap-For-Fruit-Flies.htm	CSU Extension http://bspm.agsci.colostate.edu/files/2013/03/Fruit-Flies.pdf
	Remove breeding and feeding areas, apply pesticides for quick relief, and prevent future infestations.	Remove breeding ground, place vinegar trap.	Remove overripe fruit, wash empty drink containers, and clean up spills, place vinegar traps.

Mosquito	Mosquito Magnet	Do it yourself. com	CSU Extension
	http://www.mosquitomagnet.com/store/mosquito-magnet-traps?gclid=CJfg4N7dosECFQoEaQodnoAAsw	http://www.doityourself.com/stry/how-to-control-mosquitoes-organically	http://www.cepep.colostate.edu/Fact%20Sheets/207HomeMosquitoControl.pdf
	Place mosquito traps in yards for long term relief!	Crush lemon balm in water and let sit for two weeks. Spray repellent as needed. Will last a year in a cool dark place.	Reduce standing water, change out dog dishes and bird baths regularly, clear gutters, reduce undergrowth and keep shrubs trimmed.
Wolf Spider	Orkin	WikiHow	CSU Extension
	http://www.orkin.com/other/spiders/wolf-spiders/	http://www.wikihow.com/Get-Rid-of-Wolf-Spiders	http://www.ext.colostate.edu/pubs/insect/05512.html
	"If wolf spiders are found invading a structure, it is best to contact a local pest control professional"	Reduce hiding places, seal up house entry points, clean regularly, remove clutter, use spider spray, trap and toss, use sticky traps, smash with brooms.	A beneficial arachnid, feeds on nuisance insects, catch and throw outside. Shy and rarely bite, bites do not require medical attention.
Black Bear	Trapper J Wildlife Specialist	Humane Society	U Nebraska – Lincoln Extension
	http://trapperj.com/black-bear-control-prevention/	http://www.humanesociety.org/animals/bears/tips/solving_problems_black_bear.html?credit=web_id361799672	http://icwdm.org/handbook/carnivor/black_bears.asp
	Call a wildlife specialist to visit your property and come up with a bear prevention solution.	Use bear resistant trash cans, don't compost, keep grills clean, make noise and use pepper spray if needed.	Remove food attractants, practice good sanitation and food waste removal, electric fencing where there is livestock. Use loud noises and pepper spray in close range.
Raccoon	Critter Control	ACME How To	U California – Davis Extension
	http://www.crittercontrol.com/residentialservices/animal-removal.html	http://www.acmehowto.com/howto/pest/raccoons.php	http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn74116.html
	Contact a control specialist for raccoon removal, raccoon proofing of housing, and habitat modification recommendations.	Leave a radio on, light up den areas, seal off exits once they are out, remove food sources such as trash or compost. Clean up fallen fruit.	Remove food access, use raccoon proof garbage cans, and eliminate potential den sites under dense shrubs or wood piles. Cap chimneys. Call a wildlife professional for assistance with relocation.
Big Brown Bat	PestNet	Bats in the Attic	U California – Davis Extension
	http://www.pestnet.com/bats/big-brown-bat/	http://batsintheattic.org/	http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn74150.html
	A pest control professional is best to assist with moving of roosts and exclusion of bats from structures.	Inspect, exclude, seal up, clean up.	If bats are roosting in a building, close off access once all bats have left for the night. Illuminating and cooling an area will discourage roosting as well.

European Paper Wasp	Mug a Bug Pest and Termite Control http://www.mugabugpestcontrol.com/european-paper-wasps/	About Education http://insects.about.com/od/insectssociety/a/Control-Paper-Wasps.htm	CSU Extension http://webdoc.agsci.colostate.edu/ipm/Fact%20Sheet%20Template%20New--Stinging%20Insects.pdf
	Due to the high probability of being stung, paper wasp control is best completed by a well equipped professional.	Attempt to coexist, discouraged nesting in public areas while nests are small, use a professional wasp spray from a distance when temperatures are low.	Remove food sources such as open trash cans, seal openings into hollow tubing, active nests may be destroyed with insecticide in cool hours of the day.
Honeybee	Wildlife Control Pros http://www.wildlifesolutionpros.com/honeybee-removal	Doityourself.com http://www.doityourself.com/stry/bee-hive-removal-in-6-steps#b	CSU Extension http://www.ext.colostate.edu/ptlk/1475.html
	For one fee a professional will remove the bees, hive, and honey as well as exclude more bees and do minor repair.	Locate the beehive, apply insecticide in late afternoon. Repeat several times. Remove hive and seal up any holes.	Before a swarm becomes established, call a beekeeper for removal. An established hive may require professional spraying. Close off hive after spraying.
Deer Mouse	Mug a Bug Pest Control http://www.mugabugpestcontrol.com/tag/rodents/	The Internet Center for Wildlife Management http://icwdm.org/handbook/rodents/whitefooteddeer.asp	U California Davis Extension http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn74161.html
	Rodenticides are best placed by a pest control professional to avoid exposure. Snap traps must be checked daily.	Store foodstuff in rodent proof containers, close all dwelling holes, sanitize infested areas with bleach, snap traps are effective.	Rodent proof dwellings, baited snap traps (use gloves), careful rodenticide use to avoid non-target poisoning.
House Sparrow	Green Leaf Pest Control http://www.greenleafpestcontrol.com/pestid/house-sparrow/	North American Bluebird Society http://www.nabluebirdsociety.org/Fact/bluebirdfacts.htm	Humane Society http://www.humanesociety.org/animals/sparrows/tips/solving_problems_sparrows.html
	Exclude from nesting, remove food sources, destroy nests, traps are best set by professionals.	Remove nesting areas, destroy nests and eggs, trap nuisance birds.	Install vent covers and cover house openings, keep trash cleaned up, catch with nets if loose indoors.
Purslane	Scotts Miracle Grow http://www.scotts.com/smg/goART2/solution/purslane-weed-control/14700010	Sunset http://www.sunset.com/garden/garden-basics/how-to-control-weeds/purslane-portulaca-oleracea	U Illinois Extension http://hyg.ipm.illinois.edu/article.php?id=484
	Treat the leaves, either remove and destroy all above ground growth or spot treat with roundup.	Fleshy leaves are edible and lemony. Plants pull easily but any remaining pieces will re-root.	Consider eating, remove plants before seeding, they will regrow from root fragments, longer grass may shade it out.
St. John's Wort/ Goat Weed	Salt Lake County Weed Control http://slco.org/weeds/html/weedinformo/stJohnsWort.html	United States Department of Agriculture http://www.invasivespeciesinfo.gov/plants/stjohnswort.shtml	Montana State University Extension http://ipm.montana.edu/cropweeds/Extension/weed%20species%20not%20every%20file%20is%20here-/St%2520Johnswort.pdf

	Repeated pulling for small infestations, use chemical sprays on small, young infestations, not pasture land.	Pull small infestations repeatedly, spray seedlings with general herbicide. Large scale infestations may require biocontrol using insects.	Pull isolated plants, maintain dense vegetation to avoid establishment, burning a community may promote denser growth, herbicides may be effective.
Dandelion	Gertens	This Old House	CSU Extension
	http://www.gertens.com/learn/Lawn-Care/dandelions.htm	http://www.thisoldhouse.com/toh/article/0,,218920,00.html	http://www.ext.colostate.edu/mg/gardennotes/552.pdf
	Aerate soil, spread turf seed, use broadleaf herbicide and hand pulling in combination.	Grow a thick, healthy grass turf.	Use high quality grass seed, encourage healthy turf, apply spot herbicides while young
Northern Flicker	First Choice Professional Services	GoingGreen-forlife.com	US Forest Service
	http://www.firstchoicewildlife.com/bird-exclusion/	http://www.goinggreen-forlife.com/bird-control.html	http://www.fs.fed.us/t-d/pubs/pdfpubs/pdf00712847/pdf00712847dpi300.pdf
	Use visual deterrents, repellants and exclusion. A professional can assist with both this and damage repair.	Place metal screen over wood that is being pecked.	Place mesh netting over building eaves, provide alternative nesting sites, remove food sources (kill insects).
Earwig	Sprague Pest Solutions	Golden Harvest Organics	CSU Extension
	http://colorado.spraguepest.com/resources/pest-library/profile/earwigs	http://www.ghorganics.com/page9.html	http://www.colostate.edu/Dept/CoopExt/4DMG/Pests/earwigs1.htm
	Reduce humidity and moisture, close crevices and entrance points, contact a pest management professional for further tips and control services.	Place shallow bucket traps at ground level full of a water/soap combination, rolled newspaper traps, spread diatomaceous earth.	Rolled up moist newspaper traps, bait cardboard boxes with oatmeal, eliminate damp, areas near house, insecticides used outdoors.
Silverfish	Termite.com	Tipnut	CSU Extension
	http://www.termite.com/silverfish-pest-control.html	http://tipnut.com/silverfish-control/	http://webdoc.agsci.colostate.edu/ipm/silverfish-4.29.14.pdf
	Contact a professional for an inspection and identification of problem areas as well as treatment recommendations.	Keep a clean house, store food in airtight containers. Sprinkle diatomaceous earth in infested areas.	Reduce moisture, store food in plastic, sealed containers, clean regularly. Chemical control alone will not be effective.
Termite	Terminix	GardenWeb	CSU Extension
	http://www.terminix.com/blog/termite-treatment/	http://ths.gardenweb.com/forums/load/repair/msg0400473623215.html?9	http://www.ext.colostate.edu/pubs/insect/05532.html
	Leave termite identification and treatment decisions to the professionals. They may use a combination of baits, fumigants, and liquid chemical defenses.	Use liquid treatment on the infestation and place baits some distance from the structure. Repeat regularly.	Avoid wood-soil contact, ventilate crawl spaces, apply an insecticide to soil around the structure, an infestation requires professional intervention but baits and termiticides can be effective.