Hotline Question: Ants

How can I keep ants out of my kitchen? I saw some on the counter last week. I got rid of them but now they're back.



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Ask if the person knows where the ants are coming from (outdoors or inside). Suggest trying to follow the ant trail back to their nest.



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Exclude ants where possible by sealing cracks and other openings in walls. Also remove boards, rocks, and other material that ants may nest under if they are near the building.



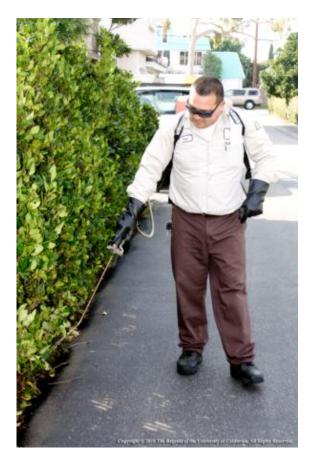
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Ask what the person did to get rid of the ants the last time. Did they use an insecticide? Most products cannot be applied where food is prepared or stored. If insecticide is used it's best to apply a spot treatment outdoors where ants are entering the building. Spraying around the entire house is not recommended since water can carry the insecticide into storm drains



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Ants inside a home can be wiped up with a wet soapy sponge or cloth. This also removes the scent trail the ants follow.



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Refer person to UC Pest Notes on ants

Ants

Although ants are annoying when they come indoors, they can be beneficial by feeding on fleas, termites, and other pests In the garden. While spraying chemicals inside the house might seem effective, doing so won't prevent more ants from entering your home. Because most ants live outdoors, focus efforts on keeping ants from entering buildings. Combine several methods such as caulking entryways, cleaning up food sources, and baiting when necessary. Avoid using pyrethroids (e.g., bifenthrin and cypermethrin), especially on hard surfaces such as driveways or sidewalks or around the foundation of buildings. These products pollute waterways.

Make your house less attractive to ants.

- + Caulk cracks and crevices that provide entry into the house.
- + Store food attractive to ants in closed containers. + Clean up grease and spills
- + Ant-proof kitchen garbage pails with sticky barriers such as petroleum jelly under the lip and place pet dishes in a moat of water.
- + Remove or manage sweet food sources next to your house such as aphid-infested bushes and ripened fruit on trees.
- Keep plants, grass, and organic mulch at least a foot away from the foundation of buildings to reduce ant foraging and nesting.

When ants invade your house:

- Sponge up invading ants with soapy water as soon as they enter.
- Plug up ant entryways with caulk.
- Take infested potted plants outdoors and submerge pots in a solution of insecticidal soap and water
- Clean up food sources by wiping up spills or placing food in tight-fitting containers.
- Rely on outdoor baits to control the ant colony.
- Insecticide sprays shouldn't be necessary. If you hire a pest control company, ask them to use
- baits and spot treatments rather than perimeter treatments or monthly sprays.



How baits work

How to use baits

to the nest.

take the product back to the

including queens, can be kille acting so workers won't be

Place baits near ant tr

Prepackaged or refillable I

the safest and easiest to

baits may include boric acid

or hydramethylnon. Liquid

sugar water solution) baits

best for severe Argentine an

when empty and repositio

bait product if ants don't a

take 5 to 10 days to see fe

See www.ipm.ucahr.edu

Pesticide baits work by attracting worker ants who then

Argentine ant; actual :

Minimize the use of pes waterways. Use nonche toxic pesticide products product labels carefully on proper use, stor

For more information about mail pests, contact your University nia Cooperat Caller ve Exte office listed under the co government pages of your p book, visit the UC IPM Web s www.ipm.ucanr.edu, or the QR code with a smartph

What you use in

affects our river University of Californ Agriculture and Natural Re Statewide IPM Program

Integrated Pest Management in and around the Home Ants are among the most prevalent pests rants, hospitals, offices, warehouses, and other buildings where they can find food and water. On outdoor and sometimes indoor plants, ants protect and care for Wings (if pre aphids, soft scales, whiteflies, and mealyfeeding on other pests (e.g., fleas, cater-

ANTS

Ants belong to the insect order Hymenoptera and are close relatives of bees and wasps. Ants are familiar insects that are easily recognized, especially in their common wingless adult forms known as workers. However, winged forms of ants, which leave the nest in large numbers in warm weather to mate and establish new colonies, are often mistaken for winged termites, which also leave their nests to mate. Ants and termites can be distinguished from one another by three main characteristics (Figure 1):

· The ant's body is constricted, giving it the appearance of having a thin waist, while the termite has a broad waist. The ant's hind wings are smaller

than its front wings, while the termite's front and hind wings are about the same size. Howeve shortly after their flights, both ants and termites lose their wings, so

Pest Notes

University of California Agriculture and Natural Resources

in households. Ants also invade restau

honevdew-producing insects such as

bugs, increasing damage from these

pests. Ants also perform many useful

functions in the environment such as

nillars and termites) dead insects and

decomposing tissue from dead animals.

ants throughout the world. In California,

than a dozen are important pests (Table

1). The most common ant in and around

Argentine ant Linenithema humile (for-

merly Iridomyrmex humilis). Other com-

mon ant pests include the Pharaoh ant

(Monomorium pharaonis), odorous house

ant (Tapinoma sessile), thief ant (Solenopsis

molesta), southern fire ant (S. xylom), and

The velvety tree ants Liometonum occiden-

common outdoor species in landscapes.

Less common, but of great importance.

is the red imported fire ant, S. invicta,

which gained a foothold in Southern

the spread of the fire ant. Carpenter

ants, Camponotus species, and velvet

tree ants also invade buildings in Cali

California in 1998. In some areas, compe-

tition from the Argentine ant has slowed

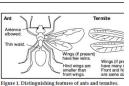
tale and L. luctuosum nest in trees and are

pavement ant (Tetramorium caespitum).

he house and garden in California is the

There are more than 12,400 species of

there are about 270 species, but fewer





than other an times particip ing larvae, T gather food, f build tunnels these worker colony, Males activities; the with the que

Velvety tree ant (Liometopum occidentale) for males, wh Food: sweets and insects Nest: in dead wood such as old tree limbs, stumps, and logs Physical description: workers vary from 1/8 to 1/4 For additiona to identify di the Key to Ide Ants at http:// inch brownish-black head red TOOLS/ANT thorax velvety black abdomer ery distinct odor when crushe LIFE CYCI

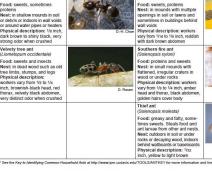


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Ants usually wings usually aren't present. Winged female and worker ants fornia. Although they don't eat wood as have elbowed antennae, while the



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Argentine ant

dull brown

Food: sweets

ma humile

Physical description: 1/8 inch,

Nest: in tree stumps, firewood

sawdustlike frass outside nests Physical description: large, workers vary from 1/4 to 1/2 inch,

black or bicolored red and black

Nest: in shallow mounds in soil

or debris or indoors in wall voids

or around water pipes or heaters

Physical description: 1/s inch, dark brown to shiny black, very strong odor when crushed

Odorous house ant

Food: sweets, sometimes

fence posts, hollow doors

or window frames: deposits

Food: sweets sometimes

proteins Nest: outdoors in shallow

Carpenter ant (Camponotus species)



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One-node ant

Two-node ant	gast 6
avement ant Tetramorium caespitum)	
ood: sweets, proteins, grease lest: in lawns or under stones r boards; builds mounds along ddewalks and foundations or ear water hysical description: 3/16 ich, dark brown to black	J.K.C
haraoh ant Monomorium pharaonis)	
ood: fats, proteins, sweets lest: in wall or cabinet oids, behind baseboards or sisulation, or outdoors in debris hysical description: 1/16 uch, yellow or honey-colored o orange	JKC
ed imported fire ant Solenopsis invicta)	Con atte

Ants

Petiole nodes





Red imported fire ants have been found in SD County. They sting and bite in large numbers when their nest is disturbed. They may be confused with the southern fire ant or harvester ants. Samples of ants can be submitted to the county ag department for identification (use Q-tips and a plastic bag to collect ants).

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References

• UC IPM

http://www.ipm.ucdavis.edu/PMG/invertebrates/links.ants.html

• UC IPM Pest Notes

http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn7411.html

• UC IPM Quick Tips

http://www.ipm.ucdavis.edu/QT/antscard.html

