



PEST IDENTIFICATION & TREATMENT



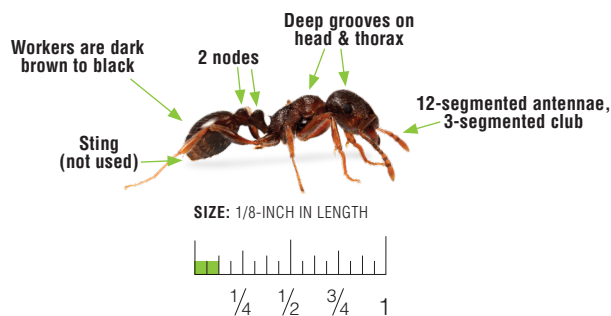
ANT SPECIES

Pavement Ant Protocol

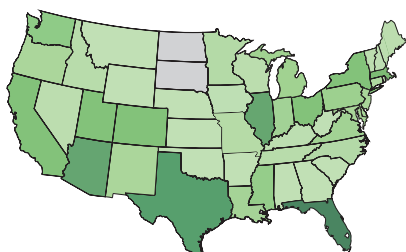
Understanding Pavement Ants

- Pavement ants are common indoor pests in the eastern United States, and outdoor pests in the western United States.
- Colonies are typically small (a few hundred to a few thousand), although can reach the tens of thousands if left untreated for extended periods of time.
- Nests are constructed in exposed soil or underneath stones, pavement or other objects. They are characterized by their crater shape, much like a small native fire ant mound.
- Often seen in late spring and early summer when they swarm during the mating seasons. They conspicuously swarm around sidewalks and driveways when food is found. Interior colonies that produce swarmers can be especially problematic.
- Mainly active at night, although trails can be found in sheltered areas during the day.

Identification



Range



Not Reported Low Abundance Abundant

Data Sources: iNaturalist & iDigiBio

Inspection

- Outdoor nests can be found next to or underneath patios, driveways, stones, concrete slabs, landscaped areas next to buildings or trash cans, and in dry soil around drip irrigation lines.
 - Pavement ants will excavate soil as they construct their nests, resulting in small crater-shaped mounds around nest entrances. These are tell-tale signs of pavement ant activity.
- Indoors, inspect beneath carpet edges, wall voids near observed activity, as well as in insulation and under sub-floors.

Customer Communication

Setting appropriate expectations and communicating the importance of customer collaboration increases the likelihood of success. Be sure to communicate what to expect before and after the treatment and any conducive conditions that require remediation. Best results are seen when the technician and the customer work together. Below are some key things to communicate to the customer:

- For indoor control: Stress the importance of sanitation to your customers. Any type of food or food particles can attract ants. Recommend the customer store food in sealed containers.
- For outdoor control: Remove or temporarily move any materials or vegetation that provide harborage for ants. This includes large landscaping stones, pavers, surplus bark mulch, old lumber and other debris.

Pre-Treatment

- Use your inspection results to determine your treatment plan. Treatment should be based on nest location. Ensure all potential nesting sites have been prepped for treatment.
- Ensure all equipment is clean and in good working condition to avoid product contamination that could negatively impact results.
- Always read and follow label instructions and make sure you have all of the required PPE prior to treatment.



Treatment / Liquid Applications

- **Treatment for pavement ants nesting on the interior of structures:** For ants nesting indoors, apply Sumari® Insecticide at a dilution rate of 1 oz. per gallon of water to areas where ants have been active or found trailing. Key areas include under or around baseboards, wall voids, door casings and voids under cabinets. For ants emerging through cracks in concrete slabs, especially in commercial buildings, you can 1) apply Sumari® Insecticide directly into the crack or crevice and seal the opening, or 2) perform a drill-and-treat method (more labor intensive).
- **Treatment for pavement ants nesting on the exterior and foraging/trailing into structures:**
 - **Interior:** Locating the exterior colony is key, but interior treatments can provide quick relief for customers. Apply Sumari® Insecticide as a spot or crack and crevice application at a dilution rate of 1 oz. per gallon of water. Key areas include around baseboards, doors, window frames, under sinks, around pipes and attic venting.
 - **Exterior:** Controlling ants outside of the structure is key to preventing indoor infestations. Apply Sumari® Insecticide at a dilution rate of 1 oz. per gallon of water for residual control treatments around the perimeter of a structure. Key areas include next to or underneath patios, driveways, stones, concrete slabs, landscaped areas next to buildings or trash cans. Curative or proactive broadcast treatments can be made to yards, lawns, fields, parks and landscaping.
- **Treatment for pavement ants found only on the exterior:** For ants foraging/nesting in lawns or around the structure, apply Sumari® Insecticide as a proactive broadcast treatment, spot and/or crack and crevice application. Apply Sumari® Insecticide at a dilution rate of 1 oz. per gallon of water directly to nests or trails.

Treatment / Baiting Applications

- **Treatment for pavement ants nesting on the interior of structures (interior bait treatments only):** Apply Sumari® Ant Gel Bait in spots 1/8 inch in diameter or in lines 1/8 inch by 3 inches in length near ant trails. Apply bait in discreet areas such as underneath sinks and cabinets, dishwashers, toilets and potted plants or anywhere you see ants trailing.
- **Treatment for exterior pavement ant nest locations:**
 - Bait placement on the interior of the structure to control pavement ants should be avoided unless the nest is located on the interior.
 - To bait outdoors, apply Sumari® Ant Gel Bait in spots 1/8 inch in diameter or in lines 1/8 inch by 3 inches in length anywhere you see ants trailing. Common areas include the base of trees, visual trails, weep holes and other entry points around the structure.

1/8-inch bait spot	1/8 x 3-inch bait line
	

Post-Treatment

- Re-inspect if ant activity has not ceased after 3-5 days. Make note of any continued activity or foraging, even if ants aren't found on the interior of a structure. Re-treat any areas with such activity to reduce the likelihood of re-infestation.

Tips and Tricks from the MGK Technical Department

Pay attention to direction. Look for trailing ants. If foragers are moving solid food away from the structure, focus your inspection outdoors. If foragers are moving solid food into the structure, focus on the interior or crawlspace.

Lure them out with food to find hidden nests. Locating trailing ants is critical. Have your customer pre-bait the ants before you arrive, if they are willing. Have them place a food source like honey, syrup, etc. in areas where they have seen ants (use a piece of wax paper for easy cleanup).

Ask the right questions. Customers can give vital information that will focus your inspection. When an ant colony is in a wall void or under the structure, foraging ants can find food in the structure even during a rain event. Ask if the activity stops when it is raining.

Focus on concrete. As their name suggests, pavement ants are found around driveways, sidewalks, pavers, retaining walls and other concrete areas. They like to nest where people walk, making them more noticeable. Focus liquid applications around these areas.

Ants can be picky. At some point, everyone has applied a bait that was ignored by trailing ants. One reason might be the colony fragment is not looking for food but is moving between nesting sites. Try several baits to determine which is most effective.



Products



Sumari® Insecticide

- Kills and controls ants, including multi-queen species, for up to three months
- Contains NyGuard® IGR insect growth regulator
- Dual modes of action
- For indoor and outdoor use, including outdoor broadcast
- No signal word
- Apply as an outdoor broadcast treatment up to four times per year at the low rate
- Convenient all-in-one product



Sumari® Ant Gel Bait

- Kills ants (excluding fire ants and carpenter ants)
- Easy to use
- Effective for up to 90 days (excluding fire, harvester, carpenter & pharaoh ants)



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