


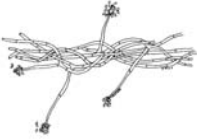
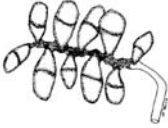








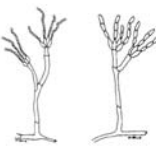



FUNGI IMPLICATED IN ALLERGIC DISEASES

Except under very controlled conditions, outdoor fungal spores will enter homes and show measurable levels indoors. Warm, humid and damp conditions allow these spores to proliferate rapidly. Use of air conditioning and dehumidifiers are two major methods of limiting fungal growth. Pets allergic to fungi should be kept out of basements, bathrooms, laundry rooms, crawl spaces or any other habitats which promote fungal growth.

Commonly Used Name	Current Morphological Nomenclature	Habitat	Potential Areas of Exposure for Pets
 Alternaria tenuis	Alternaria alternata	Common indoor/outdoor fungus. Levels peak in hot and humid weather or during rainy periods. Increased indoor levels as weather warms	Basements, any damp areas. Outside: wooded areas, leaves, grass, plant debris and mulches.
 Aspergillus fumigatus	Same	Very common indoor/outdoor fungus. Peaks during harvesting seasons and in hot and humid weather or during rainy periods.	"Closed buildings", humidifiers, dehumidifiers, evaporative coolers, basements, attics and barns. Proliferates easily on plants, foods, dry goods, paper, cotton, leather.
 Botrytis cinerea	Same	Common outdoor fungus in wet, humid areas. Proliferates indoors on decaying vegetable matter.	Moldy fruits and vegetables, refrigerators, garbage cans and food debris.
 Cephalosporium acremonium	Acremonium strictum	Common indoor/outdoor fungus. Nonseasonal. Proliferates on wet surfaces indoors.	Water bowls, toilets, sinks, sewage, standing water, drain pipes, laundry tubs, damp basement floors.
 Cephalothecium roseum	Trichothecium roseum	Occasional indoor/outdoor fungus. Proliferates on rotting wood and plants. Common soil fungi.	Wooded areas, soil, decaying vegetation and mulches. Commonly tracked indoors; concentrated in basements and other damp areas.
 Cladosporium herbarum	Same	Most common indoor/outdoor fungi. Levels peak in hot and humid conditions or during rainy periods.	High levels indoors found in most rooms. Increased in any damp areas, basements, bathrooms, crawl spaces, closets.
 Hormodendrum hordei	Cladosporium sphaerospermum	Most common indoor/outdoor fungi. Levels peak in hot and humid conditions or during rainy periods.	High levels indoors found in most rooms. Increased in any damp areas, basements, bathrooms, crawl spaces, closets.
 Curvularia spicifera Halminthosporium sativum	Drechslera spicifera Drechslera sorokiniana	Very common outdoors especially in tropical and subtropical areas. Occasionally common indoors.	Wooded areas, rotting wood, woodpiles, mulches, leaf piles, rotting vegetation and soil, damp basements, crawl spaces, decaying doghouses.

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	Fusarium moniliforme Fusarium solani	Same Same	Very common outdoors and may occur indoors. Outdoor levels will peak summer and fall in most areas. Seasonal variation affects indoor levels.	Indoor plants, gardens and crop fields especially concentrated near strawberry and tomato crops.
	Grain Smut Mix	Ustilago nuda, Ustilago maydis, Ustilago avenae, Ustilago tritici	Outdoor ubiquitous basidiospores widely distributed. Carried in the jet stream. Parasitic for specific grains. Indoor levels correlate with outdoor levels.	Usually will not colonize inside houses. Any area where grains are grown or stored. Most concentrated in grain production areas.
	Mucor plumbeus Mucor racemosus	Same Mucor circinelloides f. lusitanicus	Seasonal outdoor fungi, summer and fall. Indoors when conditions allow.	Proliferates on spoiled meats, animal droppings, horse manure, barns, garbage cans, dirty food production areas.
	Penicillium notatum Penicillium digitatum	Same Same	Very common indoor/outdoor fungi. Higher outdoor levels in tropical and subtropical areas. High levels indoors.	May have high levels in most rooms indoors but concentrated in basements or any damp area where fungi can colonize on foods, clothing, leather and paper.
	Pullularia pullulans	Aureobasidium pullulans	Extremely common outdoor fungus in temperate areas but found all over. Indoors, especially near water sources.	Damp, tiled bathroom floors, sinks, water bowls, sewage, drain pipes, damp laundry rooms and basements. Common soil organism.
	Rhizopus Nigricans Rhizopus arrhizus	Rhizopus stolonifer Same	Somewhat common indoor/outdoor fungi. Some homes will have high indoor levels.	Spoiled foods, garbage cans, dirty food production areas, refrigerators. Also common bread fungus.
	Stemphylium solani	Same	Common indoor/outdoor fungus. Levels peak in warm, humid areas or during rainy periods. Soil organism.	Wooded areas, woodpiles, mulch, leaf piles. Common in home gardens and farm crop areas, especially tomatoes, asparagus, and cabbage.