

Casemaking Clothes Moth

- Silken cases are cigar shaped
- Cases usually found in cracks/crevices: not in infested material
 - Check around doors and nearby air ducts
- Larvae attack primarily materials of animal origin
 - Feathers, wool, felt, taxidermy mounts, natural hide products, etc
- Adults do not feed



Casemaking Clothes Moths

- Biology
 - Adult female moth mates upon emergence and begins egg laying the next day

Casemaking Clothes Moths

- Biology
 - She can lay up to 83 eggs before her death in 3-8 days



Casemaking Clothes Moths



Actual Size Compared to a Dime

Casemaking Clothes Moths

- Biology
 - Eggs will be laid most often on woolens



Casemaking Clothes Moths

- Biology
 - Larvae live 1-3 months, molting up to 11 times before pupation
 - Pupa lasts 9-19 days
 - Entire life cycle takes 1.5 - 4 months



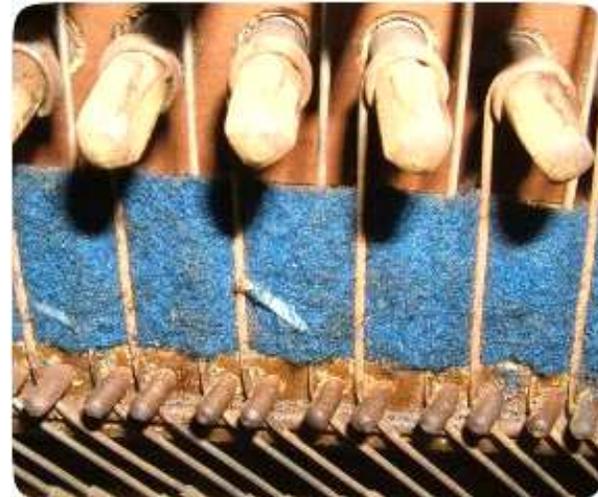
Casemaking Clothes Moth



Household Casebearer

Casemaking Clothes Moths

- Habits
 - They eat materials of **animal origin**: feathers, wool, rugs, fur, taxidermy mounts, piano felt, pet fur
 - They eat materials of **plant origin**: tobacco, herbs, nuts



Casemaking Clothes Moths

▣ Habits

- Adult moths hate light;
- Occasionally they can fly down the chimney and hide in dark areas of the home like under the sofa or in a closet



Casemaking Clothes Moths

▣ Habits

- Females often lay eggs at the edges of natural fiber carpets
- Larvae crawl under the edge of the carpet to begin feeding and creating their cases



Casemaking Clothes Moths

▣ Habits

- Larvae spin webbed material around their bodies for protection out of the materials they eat
- These cases are therefore a clue as to the source



Casemaking Clothes Moths

- Habits
 - Inspection can easily locate larvae by lifting up the carpet edges and looking on the floor below for droppings that look almost like drywood termite droppings the color of the carpet in small piles



Casemaking Clothes Moths



Casemaking Clothes Moths

- Habits
 - Unlike other moths, they climb up and hang under furniture or on the ceiling over their nearby feeding site



Casemaking Clothes



Casebearer



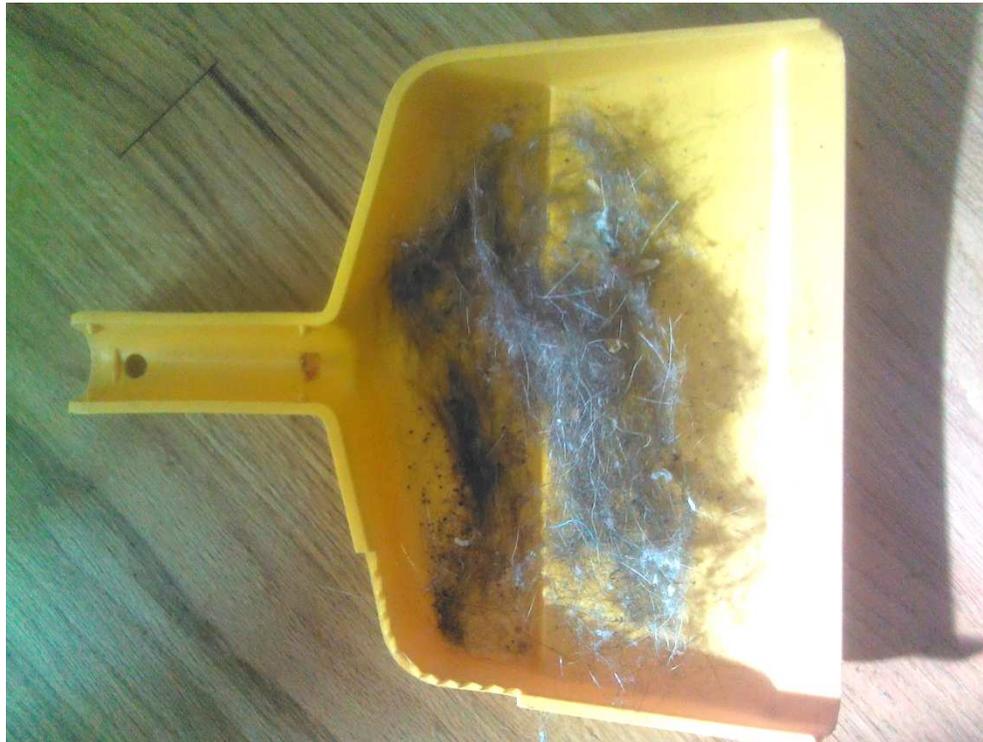
Indianmeal

Casemaking Clothes Moths

- Inspection –
 - Always look for hanging clothes moth cases
 - Always look inside pianos at the felt
 - Always inspect woolens
 - Always inspect under perimeter edges of natural carpets
 - Always issue a “Fast Facts” on the moths, even if none are found when natural fiber carpets are present
 - Ensure the customer vacuums all natural fiber carpets weekly, including the underside where possible. The carpets should be cleaned/mothproofed annually
 - Ensure the customer dry cleans all woolens and places them in plastic zippered suit bags

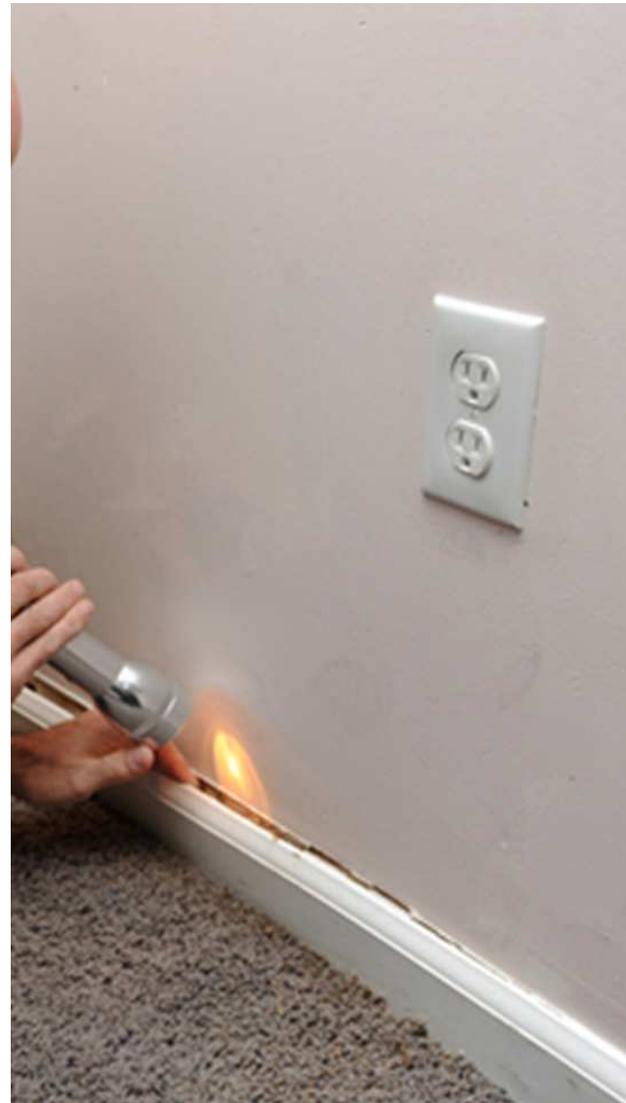
Casemaking Clothes Moths

- Inspection –
 - Look for pet hair and ensure it is cleaned up:



Casemaking Clothes Moths

- Inspection –
 - Look for pet hair in cracks around baseboards



Casemaking Clothes Moths

- Inspection –
 - Look for pet hair under large pieces of furniture



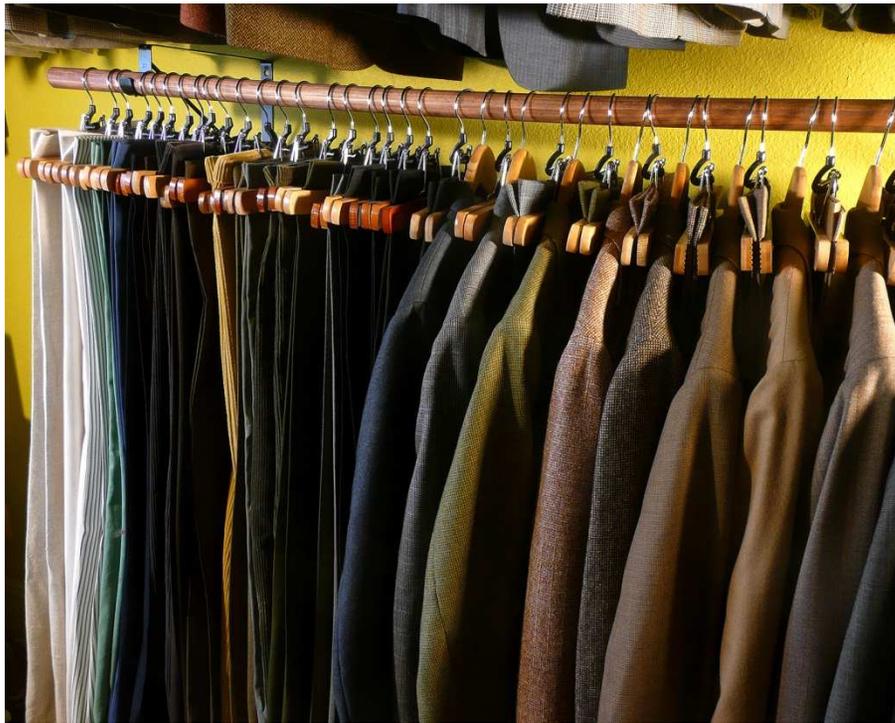
Casemaking Clothes Moths

- Inspection –
 - Look for pet hair or debris down in floor-mounted heater/air vents and ensure it's vacuumed out



Casemaking Clothes Moths

- Inspection –
 - Check inside closets for woolens, felt and natural items:



Casemaking Clothes Moths

- Prior to Treatment
 - ENSURE YOUR DIAGNOSIS IS CORRECT



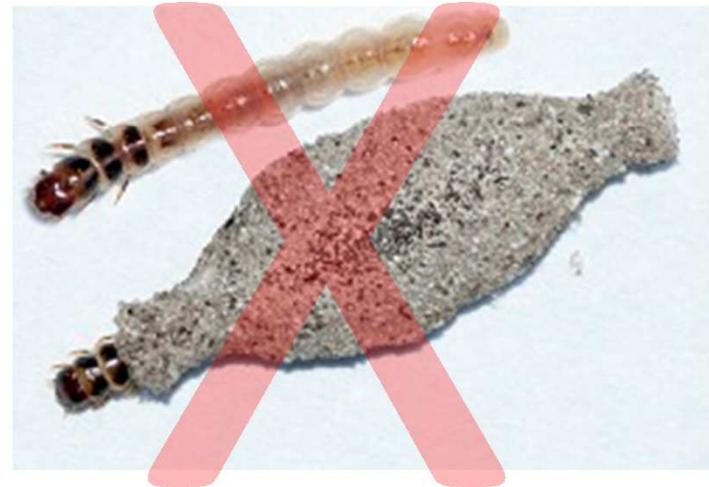
Cases hang freely below surfaces

Casemaking Clothes Moths

- Prior to Treatment
 - ENSURE YOUR DIAGNOSIS IS CORRECT

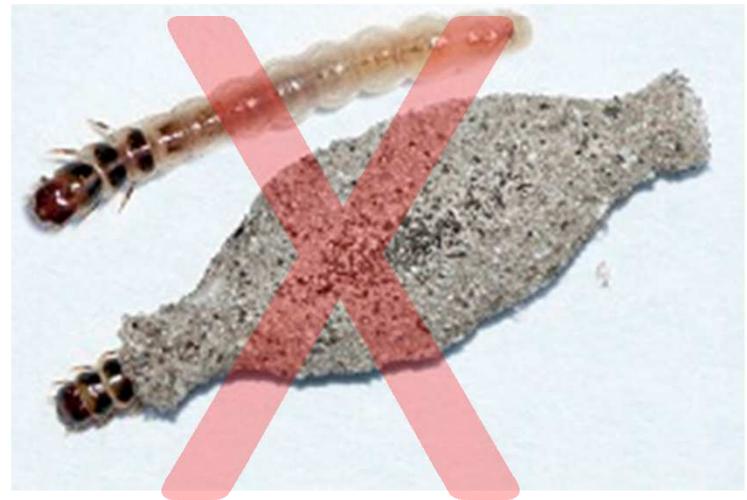


Cases are cylindrical



not flattened

Casemaking Clothes Moths



Cases are almost never plaster colored but colored like the material that was eaten

Casemaking Clothes Moths



A visible chrysalis is never seen inside the case

Casemaking Clothes Moths

- Facts about physically damaged clothing:
 - Front-loading washers implicated in higher % damage to clothes
 - Use of touch-up “shout “etc. prior to wash
 - Heavy use of high efficiency (HE) detergents
 - Mixing metal and zippered items with cottons
 - Battery acid and caustic cleaners getting on shirts weaken thin cotton shirts to point of tiny “holes”
 - Use of larger name tag pins on shirts

Casemaking Clothes Moths



**Damage from spin cycle
holes**

Casemaking Clothes Moths



Poked by coat hangers

Casemaking Clothes Moths

Prior to Treatment

Whenever clothes moths are found the following recommendations are made:

- Infested items and carpets should be removed from the home and taken to the cleaners to be washed/moth proofed ...OR,
- In CFL, we recommend Jim Rowland Carpet & Tile: 407-252-7222 who can come out to clean on site



Casemaking Clothes Moths

Prior to
Treatment

Vacuum under
all furniture,
open cabinets
and ceiling areas
of all moth cases



Casemaking Clothes Moths

Prior to
Treatment

Vacuum all areas,
especially
baseboards and
wherever pet hair
or dust from
woolens
accumulates



Casemaking Clothes Moths

- Massey's Treatment
 - 90-Day Service Program
 - Guarantee to control population in 90 days if recommendations are followed
 - Residual spot & c/c/ treatment initially
 - Placement of pheromone traps
 - Pro-active inspections at 10-14 day intervals until catch remains 0 or +1 for 2 consecutive inspections

Casemaking Clothes Moths

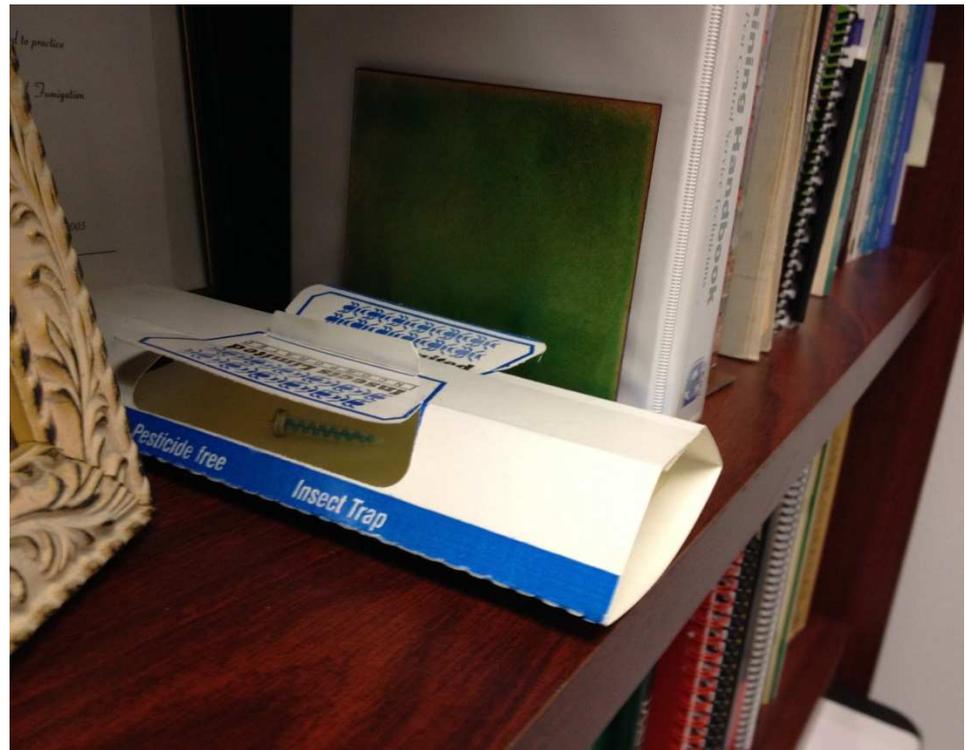
- Massey's Treatment
 - The customer needs to prepare per Fast Facts
 - Then we will apply a spot & c/c liquid residual application per our indoor residual rotation chart and the same day place out pheromone traps
 - Treat cracks, crevices, under baseboards, under furniture, but not on oriental carpets and not all over floors
 - The program ends when no more than one moth is caught in a 20-28-day period

Casemaking Clothes Moths

- Massey's Treatment
 - If trap counts increase, it indicates a source still remains - possibly:
 - In air ducts or attic related
 - Coming down from a source up in the chimney (area can be blocked and monitored)
 - Hidden hair/dust accumulation

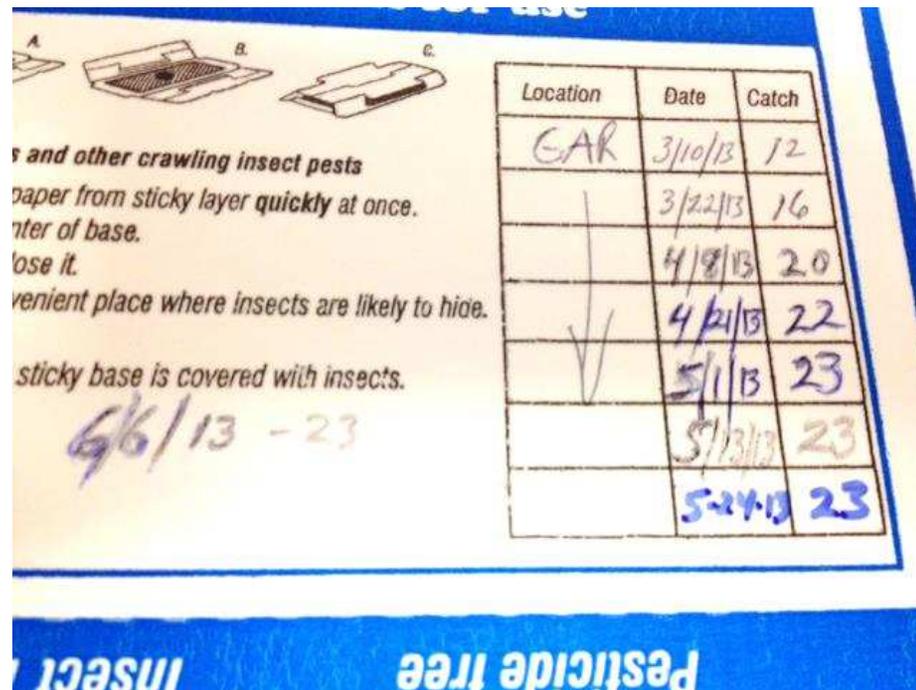
Casemaking Clothes Moths

- Massey's Treatment
 - Pheromone Trapping:
 - Use IL-120-10 Webbing Clothes Moth Kit ordered from Purchasing which also work for casemaking moths.
 - Place 1 lure in center of trap
 - Traps catch just male moths



Casemaking Clothes Moths

- Massey's Treatment
 - Place 1 trap per 1,000 square feet
 - Inspect every 10 -14 days
 - Date the trap
 - Count and then record on the trap the total number of moths caught on proactive visits
 - Replace the trap when it is impossible to count the moths



Casemaking Clothes Moths

- Charges
 - **Charges are based on time and materials**
 - Always add \$13 per trap. Traps last up to 6 months but may fill up and need replacement

Casemaking Clothes Moths

- Main Take-Aways:
 - Inspectors quoting pest prevention in homes with natural fiber carpets, pianos or lots of woolens should always give the customer a fast fact sheet on casemaking clothes moths. Techs should give them another one if moths are seen after a long period
 - Occasionally, the infestation will be inaccessible: (the attic/eaves/chimney/voids/under insulation)
 - Rule out attic area/chimney area by monitoring
 - Always charge \$13 per monitor trap placed

Clothes Moths

Keys to control:

- Proper identification
- Good inspection
- Close/seal off flume in fireplace to keep moths from coming in from bird nests
- Recommend dry cleaning of infested materials
 - This will kill all life stages
 - Place dry cleaned woolens in zippered plastic suit protectors
- Have all oriental carpets moth-proofed by local carpet cleaner
- Vacuum all infested areas
- Pheromone traps to monitor males
- Vacuum oriental carpets on both sides weekly for prevention