

Allure[®] MD Case Study

Coffee Warehouse: Pierce Pest Control



Situation Overview

A coffee warehouse in Houston, Texas, contains unroasted coffee beans bagged in 50-pound burlap sacks. Product turnover is low, with coffee remaining in the warehouse for an average of six months. The warehouse had a significant Indian meal moth problem. It was space treated twice per week with pyrethrum, which had a limited impact on reducing the moth population.

The warehouse consists of six sections interconnected by large entryways which remain open during working hours. Entryways are closed by overhead doors in the evening. Prior to installing Prescription Treatment[®] brand Allure MD dispensers, the Indian meal moth population was determined by installing six pheromone traps in each of the six sections of the warehouse. Traps averaged 70 moths per trap per week. Pheromone traps remained in place during the experiment and were checked weekly.

Treatment Plan

After three weeks of monitoring, Allure MD dispensers were installed in warehouse sections 1, 3 and 5 at a rate of 20 bags per section. Sections 2, 4 and 6 did not have Allure MD and were used as controls.



Allure MD controls moths by interfering with the male moth's ability to locate female moths and successfully mate with them.



Pierce Pest Control installed Allure MD dispensers in a coffee warehouse to control the Indian meal moth population.

Results

One week after Allure MD was installed, moth trap counts went from 70 per trap to 1 per trap in all sections. One month after installation, one trap in the untreated section 2 showed an increase of 40 moths per trap, and the remaining sections maintained a low trap count of 2-4 moths per trap. Three months after initial installation several traps in section 2, an untreated section, continued to show high activity of around 20 to 40 moths per trap; therefore, Allure MD was installed at a rate of 10 bags. The following week the moth catches in section 2 was reduced to around three moths per trap, which continued until the end of the study.

Space treatment was being done twice per week. Two months after the installation of Allure MD, space treatments were reduced to once per week. After the space treatment reduction, the moth population never rebounded. Ninety days after the installation, traps counts in all sections of the warehouse remained at a highly manageable rate of about 3 moths per trap.