DISEASES FROM DARKLING BEETLES
MAKE SURE YOU'RE NOT AT RISK

One of the reasons that darkling beetles thrive in broiler production (They can exceed 10 million per house!), besides the warm, humid conditions, is that very few diseases infect and harm them. However, they can carry and transmit many disease organisms harmful to both poultry and people.

DISEASES

Darkling beetles can carry the organisms responsible for infecting poultry with Marek's disease, infectious bursal disease, coronavirus, Newcastle virus, *Salmonella* spp., *E. coli*, *Eimeria* spp., roundworms and tapeworms. Since chicks are exposed to these disease organisms when their immune systems are immature, beetle control is very important for flock health and broiler performance.

FOOD SAFETY

Besides threatening flock health, darkling beetles can also have an impact on food safety and food borne illness in people. In addition to carrying *Salmonella* spp., they also carry *Campylobacter* spp., and can infect birds with both of these bacterial pathogens. These bacteria can infect people handling raw poultry or when they eat contaminated, under-cooked poultry. Research suggests that beetle control can affect bacterial prevalence in broilers sent to processing, and that this can impact loads of these food-borne pathogens on carcasses.

Darkling beetle control should be a high priority in any biosecurity or Integrated Pest Management (IPM) program. It has the twofold benefit of reducing transmission of viral, bacterial and other disease causing organisms to the birds and preventing food-borne pathogens such as *Salmonella* and *Campylobacter* in processing plants and the food supply.

GET CONTROL WITH CSI

Control Solutions has a wide array of products labeled for darkling beetle control, such as Tekko® 10, Dominion® 4L and Pyrofos®. Using insecticides like these in a regular rotational program can go a long way in the battle against darkling beetles and the threat of diseases they carry.

A brand you can trust.