

Curfew®

Q&A FOR GOLF COURSES AND OTHER RECREATIONAL SPORTS TURF

SOIL FUMIGANT

Golf courses and other recreational-sports turf take a beating. These areas are available almost constantly, but occasionally, you may notice that an area of turf at your club or in your neighborhood is temporarily closed for treatment. Occasionally golf courses and recreational-sports turf undergo special treatment applications that help ensure their ability to continue looking great year after year under rigorous use, changing weather conditions and attacks from natural pests. These applications require that the treatment area be closed for a short period of time. Here are some of the most frequently asked questions relating to treatments with Curfew soil fumigant on golf course fairways and greens and other recreational-sports turf.



Orlando, FL
10 months after treatment

QUESTION: What is being done to the course? What is that odor?

Answer: We are applying Curfew® soil fumigant to the course to control a particularly troublesome pest—plant parasitic nematodes, which live in the soil underneath the turf at the roots. That smell is the active ingredient in Curfew, which should go away shortly after application. Curfew dissipates within 24 – 48 hours.

QUESTION: What are nematodes?

Answer: Plant parasitic nematodes are slender, legless, transparent roundworms varying in size from $\frac{1}{300}$ to $\frac{1}{3}$ of an inch. They are parasites that must feed on living plant tissue, like turf grass roots. Some species feed on turf by inserting a “stylet” into turf root cells and sucking out the cell contents. Others feed on the outer surface of turf roots. A single female nematode may produce up to 500 eggs, which can take years to hatch!

QUESTION: What is a soil fumigant?

Answer: Soil fumigants are chemicals that are injected as liquids below the soil surface. The liquid then volatilizes (changes from liquid to gas) and moves through the soil to kill targeted pests. The importance of soil fumigation in the control of plant parasitic nematodes is well documented. Unchecked, these pests can severely damage the turf.

QUESTION: Why is it necessary?

Answer: Even with proper levels of nutrients, water and oxygen, turf growth and playability can decline over time due to nematode damage. They have the potential to kill large areas of turf. On a golf course, for example, this ruins the course’s appearance and even interferes with play. Additionally, nematode damage weakens turf, making it more susceptible to other pests.

QUESTION: Are plant parasitic nematodes harmful to people or pets?

Answer: No. There are many different species of nematodes. The plant parasitic nematodes targeted by the application of Curfew do not pose a risk to people or pets, but can cause significant turf damage. Two of the most troublesome are the Sting and Lance nematodes shown on this page. The dog heartworm and pinworms are commonly known nematodes that are harmful to people and pets.

QUESTION: How does Curfew work?

Answer: Curfew® soil fumigant is injected below the soil surface to effectively control a wide range of nematodes. As it volatilizes into a gas, it creates a zone of protection around developing turf roots. As a gas, Curfew moves throughout the soil profile and does not require water or incorporation for movement. When a nematode comes into contact with Curfew, it absorbs a lethal dose and dies.

QUESTION: Can Curfew be a risk to humans?

Answer: Yes. If used incorrectly, prolonged exposure to the gas or liquid chemical can cause health problems. The application method is designed to keep Curfew in the soil, so that it will not come into contact with people or pets. That's why it is applied by specially-trained applicators, who take specific precautions to limit exposure.

QUESTION: Who are the people doing the application?

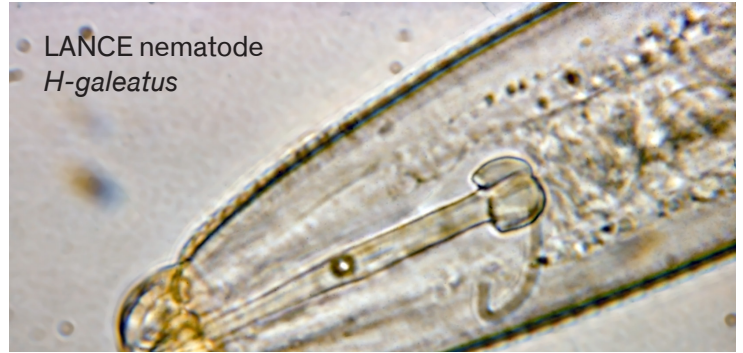
Answer: Curfew is a restricted use pesticide and is only applied by trained, licensed professional applicators using specialized equipment. By law, no one else is permitted to apply Curfew.

QUESTION: Can Curfew be a risk to fish?

Answer: There are no reports of the active ingredient in Curfew® soil fumigant killing fish or birds. Because Curfew is applied below the soil surface, there is extremely low risk that it would ever migrate to bodies of water.

QUESTION: Should I stay indoors during application?

Answer: No. It is not necessary to remain indoors. As specified on the product label, applications will take place at least 30 feet from any occupied structure, such as a



residence, school, hospital or business.

QUESTION: When is it safe to return to the treated area?

Answer: You can return to the treated areas 24 hours after the application has been completed, by which time most of the active ingredient will have dissipated.

QUESTION: How often will Curfew be applied?

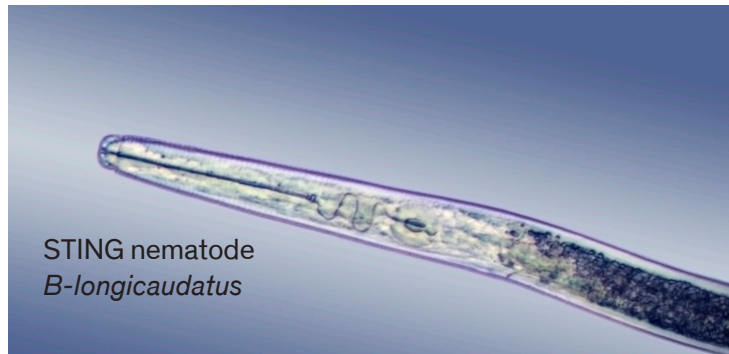
Answer: Curfew may be applied once a year.

QUESTION: Is Curfew® soil fumigant used to control other pests?

Answer: Currently, Curfew is being used to manage nematodes and mole crickets. Research has shown that mole crickets, grubs and other soilborne pests present at the time of application are controlled by Curfew, and mole cricket control has been added to our current product label.

QUESTION: Is additional information available?

Answer: Dow AgroSciences can provide you with additional information about Curfew. You can contact Dow AgroSciences at 800-255-3726 or visit www.dowagro.com/turf.



www.DowProvesIt.com



Solutions for the Growing World



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Always read and follow label directions.
T01-089-063 (01/13) DAS 010-60030