

1996 GOOSECHASE FIELD REPORT

The World's First Biodegradable Food Grade Bird Repellent for Turf

Making Turf a Better Place to Play

What is GooseChase?

GooseChase is a formulation of two US Food and Drug Administration Generally Recognized as Safe (GRAS) compounds that have been approved by the US Environmental Protection Agency as biological chemicals. The active ingredient (ai), methyl anthranilate, was first discovered as an effective bird repellent in 1988. Nine years of research, development and testing were invested by university scientists before the product was brought to market.

The active ingredient of **GooseChase** is made from a bitter tasting and smelly part of concord grapes, fruit that birds generally will not eat. When the birds' source of food, such as grass, is coated with the right amount of **GooseChase** the food becomes inedible until the sunlight and warm temperatures have removed it from the surface - generally 2 to 6 weeks depending on weather conditions - or until the grass is cut. Re-application is strongly recommended immediately after the turf has been mown to maintain maximum efficacy.

How Effective is GooseChase?

GooseChase has been shown to significantly reduce geese and duck feeding on turf for prolonged periods of time when applied according to label directions. In four trials, **GooseChase** reduced

the birds' activity immediately, in some cases driving them from the area after a few days. The efficacy of the repellent may be extended if the weather becomes cloudy and/or low temperatures persist. The first time the birds try to feed on the repellent-treated turf they go immediately to water to wash the repellent out of their beaks and off of their feathers. Each time they return they get another dose and soon learn that the grass is not palatable.

How Safe is GooseChase?

GooseChase is completely safe if the EPA-approved label directions are followed. People and animals may use the area immediately after it has been sprayed.

Recommended Application Rate

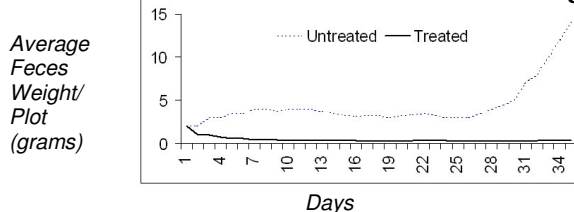
Apply **GooseChase** at a rate of one to two gallons of concentrate per 60 gallons of water per acre. Where birds have become established it is recommended that the initial treatments begin with two gallons per acre until efficacy has been established and the birds removed. Retreating with one gallon per acre will maintain efficacy during the remainder of the season or until the birds are driven from the area. After a few repeated attempts to feed most birds began foraging elsewhere. The time to reapply **GooseChase** is when all signs of odor and/or taste have disappeared and/or the birds begin to feed on the grass. Heavy rains and irrigation will not remove **GooseChase**.

Preparation

Apply immediately after mowing or when birds begin feeding on the grass. Warm concentrate in the sun or a water bath to 75°F if any part of the concentrate has solidified. Mix concentrate with a blade or paddle until ingredients are evenly distributed before adding to water. Always use freshly and completely mixed solution before adding to water. Cold weather applications (below 45°F):

Add to continually agitated warm water in tank and apply immediately. Rinse screens and nozzles with hot water until all residue is gone.

Efficacy of GooseChase Repellent in Reducing Goose Use of Lawns at a State Park in Washington



Application

Mix 1 to 2 parts **GooseChase** with 58 to 59 parts of water. Apply at 60 gallons of tank mix per acre. Agitate during application with commercial or backpack sprayer, or pressurized applicators to maintain uniform tank mix. Do not apply to wet surfaces. Reapply if heavy rains occur within 6 hours. Do not mix with other pesticides or fertilizers. Thoroughly wet all foliage until solution runs off surfaces. Apply every 2 to 6 weeks or after birds return to feed on the grass, whichever occurs first.

