

Avian Control®



Effective, Efficient and Versatile Contact Bird Repellent

What Is Avian Control® Repellent?

A patent pending, EPA registered liquid concentrate **contact repellent** specifically formulated to disperse all types of pest birds in a wide variety of applications. Mixed with water, this concentrate can be safely fogged, hazed or sprayed without affecting people, domestic animals, pets and plants.



Is Avian Control Repellent® Safe?

YES. All ingredients are Generally Regarded As Safe (GRAS) as defined by the US Food and Drug Administration. The active ingredient is **Methyl Anthranilate¹** or MA for short. MA acts as an irritant to birds only, it does not affect people, pets, livestock or plants. MA is used in food items like bubble gum, soft drinks and candy.

How Does Avian Control® Work?

This is a **contact repellent**. The target birds must inhale or ingest the repellent to get the repellent effect. The MA irritates a bird's **trigeminal nerve system²** causing discomfort and disorientation. When the bird leaves the treated areas, the repellent effect subsides. It soon learns that the treated space or surface equals irritation and stays away.

What Birds Will Avian Control® Repel?

Use for all types of birds including starlings, seagulls, blackbirds, grackles, doves, pigeons and crows. Use it to repel migratory waterfowl such as geese, mute swans, ducks and coots. Refer to the product label for a specific list.

What Can I Protect With Avian Control?

Spray to protect crops such as fruits, berries, grains and seeds. Spray on grass, turf and landscaping as well as non-fish bearing waters to deter waterfowl. Create a fog or haze to treat large spaces such as parks, golf courses, landfills and parking garages. If you are not sure how to use Avian Control call Nixalite - we are at your service.

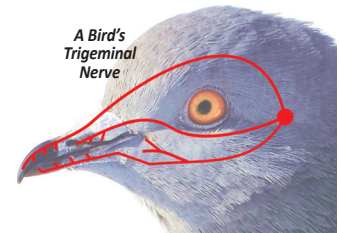
Why Is Avian Control® Better?

Existing MA repellents were tested and analyzed for their weaknesses. Avian Control was formulated to eliminate these weaknesses and take advantage of more current technology making it stronger, more stable and longer lasting.

Avian Control includes a **UV marker³** that birds can see and interpret as different from untreated surfaces. Human eyes cannot see this reflected light without special equipment. When combined with the MA repellent, the birds soon learn to associate the UV marker with the repellent and avoid the area just by sight.

Avian Control has increased its resistance to microbial decay by nearly 500%. Testing showed that other repellents lasted 2 to 3 days after spraying. In optimal conditions, one application of Avian Control can last up to 14 days before it has to be reapplied.

Note 1: Methyl Anthranilate is a naturally occurring compound found in concord grapes and other flowering plants. It is used to flavor food items like chewing gum, candy and soft drinks. **As a bird repellent**, it is used as a chemosensory repellent that irritates the bird's Trigeminal Nerve causing temporary discomfort and stress.



Note 2: A bird's Trigeminal Nerve transmits the information sensed by the eyes, nose and beak to the brain. Avian Control Repellent irritates the pain receptors of the trigeminal nerve, causing stress and disorientation. All effects dissipate when the bird leaves the treated area and/or stops ingesting or inhaling the repellent.



Note 3: Avian Control includes a UV marker that reflects Ultra-Violet light. Birds can see and tell the difference between surfaces with and without the UV marker - adding a visual cue that birds will associate with the MA repellent. A double drop kick to Pavlov's Dog.



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Avian Control®

How is Avian Control® Applied?

Fogging is ideal when treating large open areas or areas that are heavily obstructed. Fogging equipment comes in all sizes and capabilities. Contact Nixalite for help in selecting the proper fogging equipment. Refer to the product label for fogging guidelines and instructions.

Hazing uses stationary, programmable machines that create a continuous thin, dry veil of repellent to cover large areas. Hazers are best suited for indoor or protected spaces with light winds. Use Avian Control undiluted (straight) when hazing.

Spraying is the best choice when applying directly to a surface or object. Examples are grass, berries, fruit trees, crops, etc. Sprayers come in all sizes and capabilities. Contact Nixalite for help in selecting the proper equipment. Refer to the product label for spraying guidelines.

Avian Control® Applications:

Architecture, Grounds and Landscaping
Fog, haze or spray Avian Control to stop birds from loitering, staging and roosting in, on or around commercial property.

Agricultural Applications - Hungry pest birds can devastate commercial crops and gardens. Spraying or fogging the Avian

Control can reduce the damage done by birds and increase your crop yield and profit margins.

Airports - Make Avian Control a part of your **Bird Aircraft Strike Hazard (BASH)** program. Fog or spray Avian Control to repel birds from private and international airports, military air bases and the spaces around heavy air traffic corridors.

Residential Applications

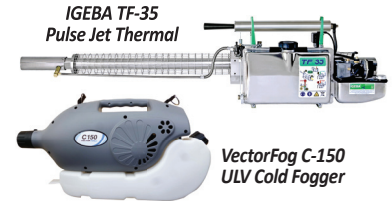
You invested your time and money to keep your lawns, gardens and small orchards neat and productive. You can protect them from hungry birds by spraying or fogging the Avian Control repellent on and around your property.

How Long Will Avian Control® Last?

For outdoor spraying, one application can last from 10 to 14 days depending upon the frequency and severity of local rain. Experience has shown that a reapplication interval of 10 days is ideal. Avian Control is resistant to irrigation and most light to moderate rains. Very heavy rains may wash it off and require reapplication.

There is no residual for fogging or hazing.

As soon as the dry fog or haze has dissipated, so has the repellent effect. Fogging requires multiple applications where hazing is a continuous application process.



To fog Avian Control properly, you must use foggers that are capable of producing droplet sizes of less than 30 microns. The foggers shown can produce droplet sizes from 5 to 50 microns which is perfect for fogging Avian Control. If you have any questions regarding fogging equipment, contact Nixalite® - we are at your service.



There are different methods of spraying the Avian Control; direct spraying and aerial spraying. Nixalite offers the equipment you may need for direct spray applications including tank sprayers, back pack sprayers and electric sprayers.



When mixing chemicals we recommend wearing a minimum of disposable clothing, gloves and splash proof goggles.

Note 5: Surfactant If you do not have an agricultural grade surfactant, you can substitute a hand dish washing detergent such as Dawn, Joy or Palmolive.

Mixing ratios for small area spraying with pump, electric and backpack sprayers

Up to 1/8 acre (5,445 ft ²)	Mix 3 to 4 fluid ounces of Avian Control concentrate with 1 to 1-1/2 fluid ounces of surfactant ⁵ and add to 1 to 2 gallons of water
Up to 1/4 acre (10,890 ft ²)	Mix 6 to 8 fluid ounces of Avian Control concentrate with 2 to 3 fluid ounces of surfactant ⁵ and add to 2 to 4 gallons of water
Up to 1/2 acre (21,780 ft ²)	Mix 12 to 16 fluid ounces of Avian Control concentrate with 4 to 6 fluid ounces of surfactant ⁵ and add to 4 to 8 gallons of water
Up to 1 acre (43,560 ft ²)	Mix 24 to 32 fluid ounces of Avian Control concentrate with 8 to 12 fluid ounces of surfactant ⁵ and add to 8 to 16 gallons of water

Follow the Avian Control spraying guidelines and instructions provided on the product label.



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