

# ECOBIRD 4.0

## BIRD REPELLENT



Effective and humane bird dispersal repellent that is applied by pulse jet thermal foggers, mechanical cold foggers and aerosol generators.

### What is EcoBird?

It is an oil-based Methyl Anthranilate (MA) repellent used for the dispersal of pest birds in open spaces. It is formulated for application with foggers and aerosol generators.

### IS IT SAFE?

When used as directed, EcoBird is harmless to people, pets, plants and birds. It consists of **Methyl Anthranilate (MA)** and an oil based carrier. MA exceeds US Food Chemical Codes (FCC) specifications, and is classified as Generally Recognized As Safe (GRAS). It is used as a fragrance or flavoring in many types of foods including; soda, ice cream, candy and gelatin. It comes from natural sources such as concord grapes and flowers.

### How Does Fogging Work?

EcoBird is a contact repellent - the birds must be exposed to the fog or aerosol to get the repellent effect. The MA stimulates a bird's trigeminal nerve creating a sensation similar to eating a hot chili pepper. The birds soon associate the location with the repellent and find other places to land, roost and nest.

### Equipment

EcoBird is applied with pulse jet foggers, mechanical cold foggers and aerosol generators. Regardless of type, the equipment used must produce a particle size of 30 microns or less.

### Application

EcoBird is ready to use, do not dilute or mix with any other material. For best results apply a dry fog with the majority of particles in the 10-30 micron size range. A dry fog spreads quickly and efficiently, permeating all areas without leaving an oily residue.

### When and How Often

Birds breathe 30 times faster when they fly, so the best time to expose a bird is when it is in flight, entering or leaving the area. For best results, fog in the early evening (before dark) when the birds have returned to the roosts for the evening.

It may take 6 or more applications (done in consecutive days) to expose all of the birds in a flock to the repellent. After each application, fewer and fewer birds will return until all the birds have found other places to go. In a aerosol generating system, follow the equipment placement and time settings recommended by the equipment manufacturer.

### Coverage

Coverage rates will depend on the method and equipment used. Pulse jet thermal foggers and aerosol generators will use the least amount of repellent to cover a finite area. ULV cold foggers will use more repellent but can be better suited for small areas.



**Made in the USA**

### EcoBird Repellent 4.0

- Proven effective and humane
- Generally Regarded As Safe (GRAS)
- 40% Methyl Anthranilate (MA)
- Indoor and outdoor bird dispersal
- Use pulse jet thermal foggers
- Use ULV cold foggers
- RTU, no mixing or dilution

### Many Applications

- Indoor and outdoor bird dispersal
- Aircraft hangars, warehouses
- Parking garages, bus terminals
- Recycling centers and landfills
- Loading docks and large flat roofs
- Stadiums, arenas, racetracks
- Feed lots, stockyards, barns
- Greenhouses, plant nurseries
- Golf courses, city parks, gardens
- Electrical substations, Utilities
- Trees, landscaping and turf
- Orchards, vineyards and more

**Read and follow the application instructions provided with the product.**

Pulse Jet Thermal



Cold Fogger



Thermal fogging produces thick repellent fog



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# FAQ



## Frequently Asked Questions for EcoBird Bird 4.0 Repellent

### What is EcoBird?

It is a liquid bird repellent used for the humane and safe control of pest birds. It is applied in aerosol form by fogging equipment and haze generators. It is most effective when used in large open areas where other methods of bird control would be difficult to employ.

### Is It Safe?

YES. When applied as directed, EcoBird is harmless to people, pets, plants and birds. The active ingredient is Methyl Anthranilate (MA), a food grade repellent which exceeds US Food Chemical Codes (FCC) specifications, and is classified as Generally Recognized As Safe (GRAS). MA is used as a flavoring and fragrance in food items. Examples would be beverages, ice cream, candy, chewing gum, etc.

### How does it repel birds?

EcoBird is a contact repellent. To be effective, the bird's must be directly exposed to the fog or aerosol. The active ingredient in EcoBird stimulates a birds' trigeminal nerve causing an effect similar to eating a hot chili pepper. The birds soon come to associate the repellent with the area of exposure. This behavioral change can take several exposures before they leave for good. The process is harmless to the birds yet amazingly effective.

### How do I use EcoBird?

It can be applied with thermal foggers, mechanical foggers (ULV's and vector

control machines) and aerosol generators. In each instance the EcoBird is applied full strength, it is NEVER diluted. EcoBird does not mix with water and should never be used with equipment intended to apply only water based solutions. After filling the tank, operate the equipment as directed by the manufacturer.

**Foggers** (thermal & ULV) use low output settings to create droplet sizes of less than 30 microns. This is a 'dry' fog that will stay airborne longer, carrying the repellent over large open areas. High output settings create a 'wet' fog that is much less efficient.

**Aerosol Generators** use a much smaller particle size to create a nearly invisible aerosol cloud. Dispersed at high velocity, this can cover large areas but is best when used to treat indoor or smaller outdoor areas.

### How often do I have to Fog?

EcoBird can provide immediate results, however, it may take several applications to obtain long-lasting control. With each exposure fewer and fewer birds return. If another flock moves in, repeat the fogging process. EcoBird may not be effective for birds that are nesting. The instinct to stay on a nest can be stronger than the effects of the repellent. For nesting birds, use other methods of control.

### What's the best time to Fog?

Best results are achieved by applying early in the evening (before dark). Do not apply

in moderate to high winds. This can take the fog out of the target area too quickly to be effective.

### Does it work on all birds?

EcoBird can be used to disperse starlings, gulls, pigeons, black birds (including grackles), crows as well as migratory waterfowl such as geese, mute swan and coots. Refer to the product label for more details. **EcoBird is a contact repellent.** In every instance the birds must actually come into contact with the repellent fog for it to work.

### Where can I apply?

EcoBird is very efficient in repelling birds from large open areas (indoors and out). Use to clear aircraft hangars, parking garages, warehouses, large flat roofs, stadiums, landfills, feed lots, stockyards, golf courses, electrical substations, trees, orchards, vineyards, and more. EcoBird should not be used over fish bearing waters.

### How long does it last?

If applied as a dry fog, EcoBird can evaporate within a few minutes. Once dissipated, it has no effect on birds (**non-residual**). The smaller the particle size, the longer the repellent remains airborne. A dry aerosol can stay airborne up to 40 times longer than a cold fog and many times longer than a thermal application. Staying airborne longer means travelling more distance and affecting more birds. A dry fog can be effective 200 feet away from the source.

**This information is not intended to replace the EcoBird Repellent Product Label or Directions. ALWAYS read, understand and follow the EcoBird documentation including the product label.**



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