

**WARNING**  
Keep out of reach of children  
**Ecotoxic**  
Read label before use

**ECOBIRD® 4.0**  
**B I R D R E P E L L E N T**  
ecological • economical • econtrol



**FOR COMMERCIAL, AGRICULTURAL AND HOME USE**

To be used around Agricultural Crops ( Berries, Apples, Stone fruit, Kiwifruit, Cereal Grains, Sunflowers and pasture) and Non-Agricultural sites including turf, Hydroseeding, Rubbish collection areas or dumps, Food Stuffs, and spot Repelling.

**ACTIVE INGREDIENT:**

Methyl Anthranilate (MA), methyl 2-Aminobenzoate at 395 g/L

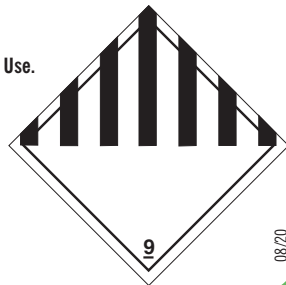
See attached booklet for Storage & Disposal and Directions For Use.

5L



Manufactured for: Roth Chemical Company, Ltd.  
[www.ecobirdusa.com](http://www.ecobirdusa.com)

Distributed by Key Industries Ltd  
15D Paul Matthews Rd  
Auckland 0632, New Zealand  
Phone: +64 09 917 1791  
[www.keyindustries.co.nz](http://www.keyindustries.co.nz)



08/20

# ECOBIRD® 4.0

## BIRD REPELLENT

**Read label before use. Do not handle until all safety precautions have been read and understood.**

**HAZARD CLASSIFICATIONS:**  
6.1E, 6.3A, 9.1B



FIRST AID	
If medical advice is needed, have product container or label at hand. For advice contact National Poisons Centre <b>0800 POISON</b> (0800 764 766) or a doctor.	
If swallowed or inhaled	<ul style="list-style-type: none"><li>• Get medical advice if you feel unwell.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse gently with water for several minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• If irritation persists get medical advice.</li></ul>
If on skin	<ul style="list-style-type: none"><li>• Take off contaminated clothing and wash before reuse.</li><li>• Wash with plenty of soap and water.</li><li>• If skin irritation occurs, get medical advice.</li></ul>

### Precautionary Statements

#### TOXICITY

WARNING May be harmful if ingested, absorbed through skin or inhaled. Causes skin irritation. Avoid contact with skin, eyes or clothing. Wash hands and exposed skin thoroughly with soap and water after handling and before eating, drinking, or rest breaks.

#### ECOTOXICITY

Toxic to aquatic life with long-lasting effects. Avoid release to the environment. Do not apply directly into or onto water where fish may be present. Do not contaminate waterways when disposing of equipment wash waters or rinsate, or used containers.

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Waterproof hat and chemically resistant overalls.
- Eye protection
- Face protection
- Chemical resistant gloves (e.g. nitrile)
- Chemical resistant shoes/boots.

Follow manufacturers instruction for cleaning/maintain PPE. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

- Remove clothing/PPE immediately if EcoBird gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

#### DIRECTIONS FOR USE

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

**STORAGE:** Store only in original container, in a dry place inaccessible to children, pets and domestic animals. Store apart from pesticides, fertilizers, food or feed that may cause cross-contamination from odour. Keep container closed when not in use. Storage of 100L or more requires secondary containment, emergency response plan and signage.

**PRODUCT DISPOSAL:** Use product according to label instructions. Product or rinse water that cannot be used according to label instructions must be disposed of safely. Water resulting from the use of this product may be disposed of on site at an approved waste disposal facility.

**CONTAINER DISPOSAL:** EcoBird 4.0 is sold in a non-refillable container. Do not reuse or refill this container. Dispose of empty containers at Agrecovery sites. Triple rinse container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**SPILLAGE:** Contain and collect spillage. Absorb with sand, soil, vermiculite or similar absorbent material. Collect into labelled containers that can be sealed. Dispose of to approved landfill.

Approved Pursuant to the HSN0 Act 1996, Approved Code HSR100438  
See [www.epa.govt.nz](http://www.epa.govt.nz) for information on Controls.

UN Number: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (METHYL ANTHRANILATE), Packing Group: III

**WARRANTY** The statements on this label are believed to be true and accurate; however, because usage and conditions which may be or are beyond our control, Roth Chemical Co., Ltd. does not make, nor does it authorize any agent and/or representative to make any oral or written warranty, guarantee, or representation, express or implied, concerning this material or the use thereof beyond the statements of the product label and product SDS. Neither Roth Chemical Co., Ltd., nor the seller, shall be held responsible in any manner for any claim of personal injury and/or property damage and/or loss resulting from the handling, storage, and/or use of this material. Neither Roth Chemical Company, Ltd., nor the seller shall be held responsible in any manner for any claim of personal injury and/or property damage and/or loss resulting from the use of either an Ultra-Low-Volume (ULV) Cold Fogger and/or Thermal Fogging equipment in conjunction with this product. The buyer assumes all risk(s) and liability(s) resulting from the handling, storage, and/or use of this product. Accordingly, the purchaser accepts and uses this material on these conditions. No other warranty(s) exists.

## **DIRECTIONS FOR USE**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## **NON-FOGGING APPLICATIONS LANDFILLS AND NON-FISH BEARING BODIES OF WATER**

### **USE RESTRICTIONS:**

Use this product in areas to repel birds that congregate in large numbers, including these passerine birds: starlings (*Sturnus vulgaris*), Indian mynas (*Acridotheres tristis*), gulls (subfamily *Larinae*), doves and domestic pigeons (*Columba livia domestica*), welcome swallow (*Hirundo neoxena*), house sparrow (*Passer domesticus*), as well as wild waterfowl such as Canada geese (*Anserinae*) and ducks (*Anatidae*). These listed birds are reservoirs or vectors for human disease-causing agents, bacterial, parasitic, fungal, and ectoparasitic pathogens that can be transmitted to humans and may present a health risk to humans and domestic poultry. Areas where the above types of wild birds or their droppings and humans or domestic birds come in close contact pose a risk to human health and in these settings, birds are considered pests.

Use this product to repel birds from landfills; non-fish bearing bodies of water (tailing ponds, commercial or industrial water impoundments); and temporary pools of standing water located at or near airports. This product can also be used in non-crop areas that contain temporary surface water caused by the management activities, such as water collected in equipment ruts. EcoBird 4.0 Bird Repellent can also be applied near intermittently flooded low-lying areas, transitional areas between upland and lowland sites, marshes, swamps, bogs, and seasonally dry flood plains and/or deltas provided no water is present or water has receded where birds are a hazard or nuisance. However, this product cannot be applied in these areas when non-target birds, or native birds, threatened or endangered birds may be present. Do not apply directly to water; such as lakes, reservoirs, ponds, streams and canals.

## **APPLICATION DIRECTIONS**

**A maximum rate of 9 kg active/ha, with a maximum of 12 applications per year and a minimum application interval of 21 days, is permitted.**

**Records of use are required.**

**Non-fish bearing bodies of water (tailing ponds, commercial or industrial water impoundments, and decorative fountains):**

Apply EcoBird 4.0 Bird Repellent at a rate of 23 Litres per hectare (9 kg active per hectare) of water surface at 3-4 week intervals. Adjust timing of subsequent applications as required by bird activity and anticipated seasonal migrations. Best applied undiluted or with a surfactant approved for use in water applications to ensure water surface coverage.

**Landfills:** Apply EcoBird 4.0 Bird Repellent at a rate of 23 Litres per hectare (9 kg active per hectare) directly to the active site face as soon as the birds start to arrive. Repeat applications as long as birds persist. Make applications with conventional spray equipment hydroseeders and other liquid application equipment. Product is best applied undiluted or with surfactant to ensure uniform coverage.

## **FOGGING APPLICATIONS NON-CROP AREAS, DOMESTIC STRUCTURES OR BUILDINGS**

### **USE RESTRICTIONS:**

The maximum application rate when used for fogging via a continual timed diffuser is 0.23 kg active/ha (equivalent to 0.23 kg active/1000 m<sup>3</sup>).

Use this product in areas to repel birds that congregate in large numbers, including these passerine birds: starlings (*Sturnus vulgaris*), Indian mynas (*Acridotheres tristis*), gulls (subfamily *Larinae*), doves and domestic pigeons (*Columba livia domestica*), welcome swallow (*Hirundo neoxena*), house sparrow (*Passer domesticus*), as well as wild waterfowl such as Canada geese (*Anserinae*) and ducks (*Anatidae*). These listed birds are reservoirs or vectors for human disease-causing agents, bacterial, parasitic, fungal,

and ectoparasitic pathogens that can be transmitted to humans and may present a health risk to humans and domestic poultry. This product can also be used in non-crop areas that contain temporary surface water caused by the management activities, such as water collected in equipment ruts. EcoBird 4.0 Bird Repellent can also be applied near intermittently flooded low-lying areas, transitional areas between upland and lowland sites, marshes, swamps, bogs, and seasonally dry flood plains and/or deltas provided no water is present or water has receded where birds are a hazard or nuisance. However, this product cannot be applied in these areas when non-target birds (i.e. those birds not listed above) or threatened or endangered birds may be present. Do not apply directly to water, such as lakes, reservoirs, ponds, streams and canals. Areas where the above types of wild birds and humans or domestic birds come in close contact pose a risk to human health and in these settings, birds are considered pests. For use on or near domestic structures or buildings. Use EcoBird 4.0 Bird Repellent with thermal and mechanical foggers as well as specialized fogging and aerosol equipment as long as the product is applied at <30 microns. For best results, ensure the product comes in direct contact with target birds (see above) through direct fogging or proper air circulation via natural or artificial air movement. Direct outlet or nozzle away from surfaces and greenery or hold the fog or aerosol generator at least 5 feet from any object, painted surface, and especially plants and shrubbery to avoid discoloration from direct contact with concentrated EcoBird 4.0 Bird Repellent or the heat when using thermal foggers. Do not smoke while applying this product.

### **INDOOR FOGGING APPLICATIONS (Warehouses, hangers, garages, assembly plants, etc.)**

Apply EcoBird 4.0 Bird Repellent undiluted at a rate not to exceed 0.23 kg active per 1,000 cubic metres of space to be treated. Point fogger in the general direction of the nuisance birds, keeping the fog generator at least 1.5 metres from any structure or object to allow for complete dissipation of the fog. A distance of at least 1.5 metres from any structure or object prevents any damage to desired materials. Expose as many birds as possible to the fog for fast and lasting results. Best product performance is achieved with a dry fog. Consult the fogger user's manual for proper settings to assure a dry fog. Both ULV misters and thermal foggers may be used to apply this product. For automated fogging applications, point the fogger in the direction of the birds or their expected approach. Set the fogger for an appropriate duration as needed to repel target birds, eg 10 seconds to 5-minute fogging pulses during the time of expected bird activity.

### **OUTDOOR FOGGING APPLICATIONS**

**General Application Directions:** Apply EcoBird 4.0 Bird Repellent undiluted at a rate of 450-580ml per hectare (10,000m<sup>2</sup>) of area to be treated. Point the fogger in the general direction of the nuisance birds, keeping the fogger at least 1.5metres away from any structure or object to allow for complete dissipation of the fog. A distance of at least 1.5metres from any structure or object prevents any damage to desired materials. Best product performance is achieved with a dry fog. Consult the fogger user's manual for proper settings to assure a dry fog. ULV, thermal and other foggers and aerosol generating equipment with a minimum application size of < 30 microns may be used to apply this product. Several treatments may be required for removal of all nuisance birds. For automated fogging applications, point the fogger in the direction of the birds or their expected approach. Set the fogger for an appropriate duration as needed to repel target birds, e.g. 10 seconds to 5-minute fogging pulses during the time of expected bird activity.

### **Electrical Substations, Farmsteads, Agricultural Sites, Structures, Buildings, Airports, and other Open Areas:**

Apply EcoBird 4.0 Bird Repellent undiluted using a thermal or mechanical fog generator that will deliver a dry fog with a droplet size within the aerosol size range (below 30 microns). Expose as many birds as possible to the fog for fast and lasting results. Apply EcoBird 4.0 Bird Repellent when birds have settled down or are roosting in the structure and/or wires of the substation. Withhold treatment until conditions favouring successful use arise (temperature, direction, and speed of wind) to be able to cover all the infested structure. For best results, make applications in the evening, when most of the birds have arrived, but before it gets too dark for the birds to leave once exposed to the fog.

## **Trees and Shrubs**

Apply EcoBird 4.0 Bird Repellent undiluted using a thermal or mechanical fog generator that will deliver a dry fog with a droplet size below 20 microns that will penetrate the foliage without wetting it. Expose as many birds as possible to the fog for fast and lasting results. Apply EcoBird 4.0 Bird Repellent when birds have settled down. Withhold treatment until conditions favouring successful use arise (temperature, direction, and speed of wind). For best results, make applications in the evening, when most of the birds have arrived, but before it gets too dark for the birds to leave once exposed to the fog. Application in the morning after the birds normally leave does not have much effect. To prevent damage to foliage, do not allow EcoBird 4.0 Bird Repellent to accumulate to the point of runoff.

## **Turf (Golf courses, lawns, sports fields, parks, etc.)**

Apply EcoBird 4.0 Bird Repellent undiluted using a thermal or mechanical fog generator that will deliver a dry fog with a droplet size within the aerosol size range (< 30 microns) that stay suspended and do not settle to the ground. Set fogger upwind so that the wind will carry the fog in the general direction of the birds. Apply at any time of the day when birds are present. To control Canada geese, ducks and gulls apply at any time when they are feeding or roosting, except when they sit on a nest during breeding season.

**Lakes and Ponds, Harbours and Boat Docks, Aquatic Production Sites (non-fish bearing sites such as hatchery buildings and around culture ponds)** Do not apply directly to water. Take steps to prevent risk of overspray. However, it is expected that overspray may occur. Apply when wind and drift conditions are minimal. Apply EcoBird 4.0 Bird Repellent undiluted using a thermal fog generator that will deliver a dry fog with a droplet size below 20 microns that will stay suspended and does not settle on the water surface. Set fogger upwind so that the wind will carry the fog in the general direction of the birds. Apply as soon as birds arrive. For roosting birds, the product is best applied in the evening when most of the birds have arrived but before it gets too dark for the birds to leave.

**Fruit Applications (Agricultural Uses: For application to cherries, blueberries, grapes, apples, stone fruits (apricots, cherries, peaches, plums), cereal grains (sweet and popcorn, millet, oats, sorghum), and sunflowers).**

Use this product to limit damage caused by birds on ripening crops. Withhold treatment until fruit is susceptible to bird damage. Apply EcoBird 4.0 Bird repellent undiluted using a thermal or mechanical fog generator that will deliver a dry fog with a droplet size within the aerosol size range (< 30 microns). To avoid damage to foliage or fruit discoloration, do not allow EcoBird 4.0 Bird repellent to accumulate to the point of runoff. Birds must be exposed to the airborne EcoBird 4.0 Bird repellent if it is to achieve lasting results. Direct fog into crop area. Do not apply when crop is wet or if rain is expected. This product may be applied up to the day of harvest. Repeat treatment if significant bird damage begins to occur.