



# IAOM Technical Conference

## July 29, 2017

AN INTRODUCTION TO  
ECOBIRD 4.0 & 14.5  
Non-Hazardous Bird Repellents

# Roth Chemical-EcoBird Discussion Topics

## DISCUSSION TOPICS

- Who is Roth Chemical?
- The Current Problem
- Existing Solutions
- Solution Summary
- Intro to EcoBird
- Q & A

# Roth Chemical & EcoBird

## Who is Roth Chemical?

Incorporated in 2009, Roth Chemical is a fully owned subsidiary of Roth Environmental Consultants. The company objective was:

- To create an effective, non-lethal, non-hazardous bird repellent which could be used in a variety of public and private structures, including airports, stadiums, office buildings, restaurants, marinas, hotels, shopping centers, power plants and many, many other locations.
- To provide an effective bird repellent to food processing companies and others, for maximum yields on revenue, profits and margins.

# Roth Chemical- EcoBird

## Some alarming facts about birds

- Nuisance birds will eat 50% of their body weight each day
- Some flocks number in the tens of thousands
- 1000 birds will eat about 10 lbs of food in 1 minute
- Birds can overwhelm operations
- Droppings contaminate feed causing disease to livestock
- Production is reduced because nutrients and calories are reduced
- Lower weight = lower revenue = lower margins

# Roth Chemical- EcoBird

Birds can ruin your facility, image and reputation.

## Why?

- The unsightly mess they leave is just the beginning
- Droppings and feathers can:
  - Transmit over 60 diseases
  - Compromise air quality
  - Cause serious health and safety and regulatory concerns
  - May lead to audit failures, possible shutdowns and lost revenue.

# Roth Chemical- EcoBird

## FACT:

Costly repairs and constant cleaning do nothing to solve the problem.

Food processing facilities make extremely attractive environments for birds.

- Safe roosting areas
- Permanent food source
- Targeted exclusion techniques are necessary

# Roth Chemical- EcoBird

THERE ARE MANY, MANY SOLUTIONS TO BIRD CONTROL PROBLEMS, BUT MUCH TO CONSIDER IN TERMS OF:

- Cost
- Effectiveness
- Time
- Safety/OSHA
- Long term solutions
- Local ordinances

.....such as:

# Roth Chemical-EcoBird Current Solutions

## **Bird Netting**

- Costly installation, potentially dangerous
- Can be unsightly, and can call attention to the area and the birds

## **Bird Spikes**

- Inefficient, labor intensive
- May require installation in high, dangerous places
- Small birds easily nest within the spikes, bringing the larger birds back

## **Electric Shock Systems**

- May be harmful and painful for the birds
- Not dependable, tendency to short out
- Practicality



# Roth Chemical-EcoBird Current Solutions

## Sound Devices

- Largely ineffective
- Birds eventually get used to it

## Bird Slide/Bird Slope

- Time consuming to install and costly
- Can be effective but numerous cuts are often needed
- Heights may be an issue

## Trapping Programs

- Labor intensive
- Traps need to be checked on regular basis
- Some states require daily checking

# Roth Chemical-EcoBird

## Current Solutions

### Frightening Devices/Method

- Tends to only work in the short term
- Must be repeated frequently

### Pyrotechnics

- Many, many restrictions/permits required in most places
- Potential fire risks

### Effigies

- Largely ineffective
- Birds are dumb, but not that dumb. They will land on them





# Roth Chemical-EcoBird Current Solutions

## Avicides

- Essentially bird poison, resulting in a cruel death
- Strikes the birds nervous system
- Causes birds to suffer convulsions, erratic flying and eventual death
- Dangerous to mammals and other animals who feed on the dead, poisoned birds
- Effect on surviving birds is short-lived
- Serious PR issues with Humane Society and PETA

# Roth Chemical-EcoBird Summary

## Bird Control Solution

Simply put, birds are beautiful creatures, but they sometimes make bad neighbors. It must be understood that the only long term solution is to **treat the cause of the problem, not the symptom.** The problem is not the presence of birds or their droppings, it is that certain environments are appealing to birds. Even if the infestation is killed or chased away, a new flock will fill the void if the environment is not altered in an unappealing way.

The most effective, long term solution is to develop a **continuity program** utilizing a non-lethal, non-hazardous application of a chemical composed of a food grade ingredient that simply repels the birds to another location, causing no harm to the birds.





Roth Chemical-EcoBird

**INTRODUCING...**

.....

# Roth Chemical-EcoBird

**ECOBIRD®**  
**BIRD REPELLENT**  
ecological • economical • econtrol



**FOR USE ON**  
Airports & Hangers • University & College Campuses • Office & Apartment Complexes •  
Outdoor Markets & Restaurants • Stadiums, Marinas, Hotels & Casinos •  
Convention Centers • Shopping Centers & Malls • Warehouses & Distribution Centers  
Power Plants & Factories • Train Stations & More

**ACTIVE INGREDIENTS:**  
Methyl Anthranilate (MA)  
methyl 2-aminobenzoate.....40%  
**OTHER INGREDIENTS:** .....60%

**STORAGE:** Only store EcoBird® in its original container. Store out of direct sunlight in a dry location. EcoBird® should be inaccessible to children, pets and domestic animals. Store apart from all pesticides, fertilizers, food and/or feed. Container must be kept closed when not in use. Store above freezing temperatures (32° Fahrenheit or 0 degrees Celsius).

**PRACTICAL APPLICATIONS**  
EcoBird® may be used to remove birds such as geese pigeons, grackle, starlings, doves, blackbirds, gulls swallows, water fowl and other nuisance birds that have become a health hazard in affected areas. EcoBird® is used with mechanical fogging equipment, which should be directed toward birds and used at a reasonable distance from structures or objects to allow for complete dissipation of this product. Consultation of the equipment manufacturer's Owners' Manual is always required, when using EcoBird®.

**DISPOSAL:** When disposing of this product, and/or application equipment and/or wastewaters, or rinsates, follow all applicable local, state and federal regulations. When disposing of container, rinse thoroughly to assure all product has been removed and cleaned from container. This product is packaged using recycled materials. When disposing, we recommend recycling first. If no recycling is available, dispose of properly, or by other procedures approved by local, state and federal codes and/or regulations. For further product instructions and information, please see MSDS.

EPA Reg. No. 86583-X EPA Est. No. 74486-MO-001  
Net Contents: xx gal.(xx l.) Net Weight: xx lbs.





# Roth Chemical-EcoBird

## INTRODUCTION

### WHAT IS ECOBIRD?

- A non-lethal, non hazardous bird repellent, fully manufactured in the United States
- Contains between 14.5% and 40% methyl anthranilate, a natural ingredient found in grapes and orange blossoms. Widely used as a flavoring agent in fruit juice, candy, chewing gum and other food products
- FDA lists this material as GRAS (generally recognized as safe)
- Fully registered and approved by the EPA (Reg. # 86583-4 and 86583-5)

# Roth Chemical-EcoBird

## INTRODUCTION

### HOW DOES ECOBIRD WORK?

- MA, the active ingredient, simply irritates the olfactory mechanism in birds, but does not harm them in any way.
- It makes the treated area an uncomfortable place to occupy.
- From a human perspective, imagine walking into a room full of the scent of cayenne pepper.

# Roth Chemical-EcoBird

## INTRODUCTION

### HOW IS ECOBIRD APPLIED?

- EcoBird is applied with a mechanical thermal fogging unit and/or misting equipment.
- Disbursal is directed toward the unwanted nuisance birds.
- Most successful when taking into consideration direction, wind speed and temperature.
- EcoBird will generate a fog or mist that when deployed will result in the birds olfactory irritation causing them to take flight and leave.





















# Roth Chemical-EcoBird INTRODUCTION

Contact Steve Roth or  
Gary Palcher for more  
Information at  
(913) 663- 9920  
[ecobirdusa.com](http://ecobirdusa.com)

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