

BirdDeter 



**Would you like to
cut the costs
of bird control?**



Why is BirdDeter different from any other bird control program?

PEST BIRDS — A COSTLY PROBLEM

Damage caused by birds and flying foxes often reduces crop yields by up to thirty percent and sometimes even more. Growers are frustrated by most off-the-shelf pest bird deterrents which don't provide an effective and lasting solution.

BirdDeter is a new and unique bird deterrent system which uses radar and computer technology to actively *train birds and flying foxes* to stay out of the crop.

RESPONSIVENESS — BIRDDETER'S UNIQUE FEATURE

BirdDeter's most important and exclusive feature is *responsiveness*. This means the system is triggered *only when pests enter the crop area*. This produces the maximum scare effect on the birds and prevents them from becoming accustomed to the deterrents. Another benefit is the reduced likelihood of noise pollution.

A radar "detection zone" is created between radar transmitter and receiver units. Birds are detected when they fly anywhere through this area.

DIGITAL QUALITY SOUND

Research has shown that birds are most effectively deterred by certain natural sounds called "bio-acoustics". For most species, their own distress, alarm and alert calls are the best deterrents, mixed together with calls of likely predators, such as hawks or cats. If pest birds are regularly hunted, sounds of gun shots can also be included.

Digital quality sound ensures sounds are consistently reproduced with high levels of biological detail.

An on-board computer manages the deterrent system and varies the type, sequence and duration of sounds every time the deterrent unit is activated — another reason why birds do not become accustomed to the sound.

Each BirdDeter system is customised to suit the particular pest birds and situation.

THE TRAINING PROCESS — A LASTING SOLUTION

Field trials have proven that after repeated encounters with the BirdDeter system, birds actually learn to stay away from the protected area. The "training period" can be as little as one day, depending on the species and situation.

Experience proves that once the "early bird" is deterred, its behaviour conveys to the flock that the protected area is "undesirable" — and they all stay away. That's why it's vital to have the BirdDeter system in place early, before birds become established.

COMPLETE CROP ACCESS

Unlike netting, BirdDeter leaves the crop 100% accessible, 100% of the time. There are no cable runs to trip over, drive over or otherwise interfere with access.

PLUG-IN DETERRENTS

Deterrents such as gas guns, inflatable men, hawks, etc can now have enhanced effectiveness by plugging them into a BirdDeter deterrent unit or attaching them to one of our boom mechanisms. The boom is often used to raise hawk effigies into the air from a concealed crop location.

PORTABLE, ROBUST AND EASY TO USE

The BirdDeter system is simple to assemble and use and can be easily moved around to where it's most needed. Effectively this translates to a real cost saving for the grower.

Every BirdDeter system is manufactured using solid powdercoated steel components and has been weatherproofed to ensure many years of reliable service in the field.

Each system comes with a complete warranty on parts and workmanship.

PROVEN TRACK RECORD

BirdDeter systems have been used successfully by growers in Queensland, New South Wales, Victoria and South Australia in the following crops: grapes, berries, cherries, stone and pome fruits, nuts, tropical and sub-tropical fruits and broadacre.

Moreover, BirdDeter systems have been used effectively in a variety of industrial applications.

Our web site provides a list of references as well as some grower case studies.

INTEGRATED PEST MANAGEMENT (IPM)

Experts in bird behaviour agree that to achieve best results in controlling pest birds, growers must adopt a carefully planned, integrated bird control program. This begins with local knowledge about pest species, extent of damage and the growing environment.

BirdDeter is the ideal tool for use in any successful IPM strategy for pest birds.

CUSTOMER ADVISORY SERVICE

One standard BirdDeter system will protect between 10 and 100 acres, depending on local conditions, bird species and behaviour. To assist you in tailoring a system to suit your situation, BirdDeter offers a unique advisory service.

BirdDeter offers a rational, scientific and proven solution to the pest bird problem.

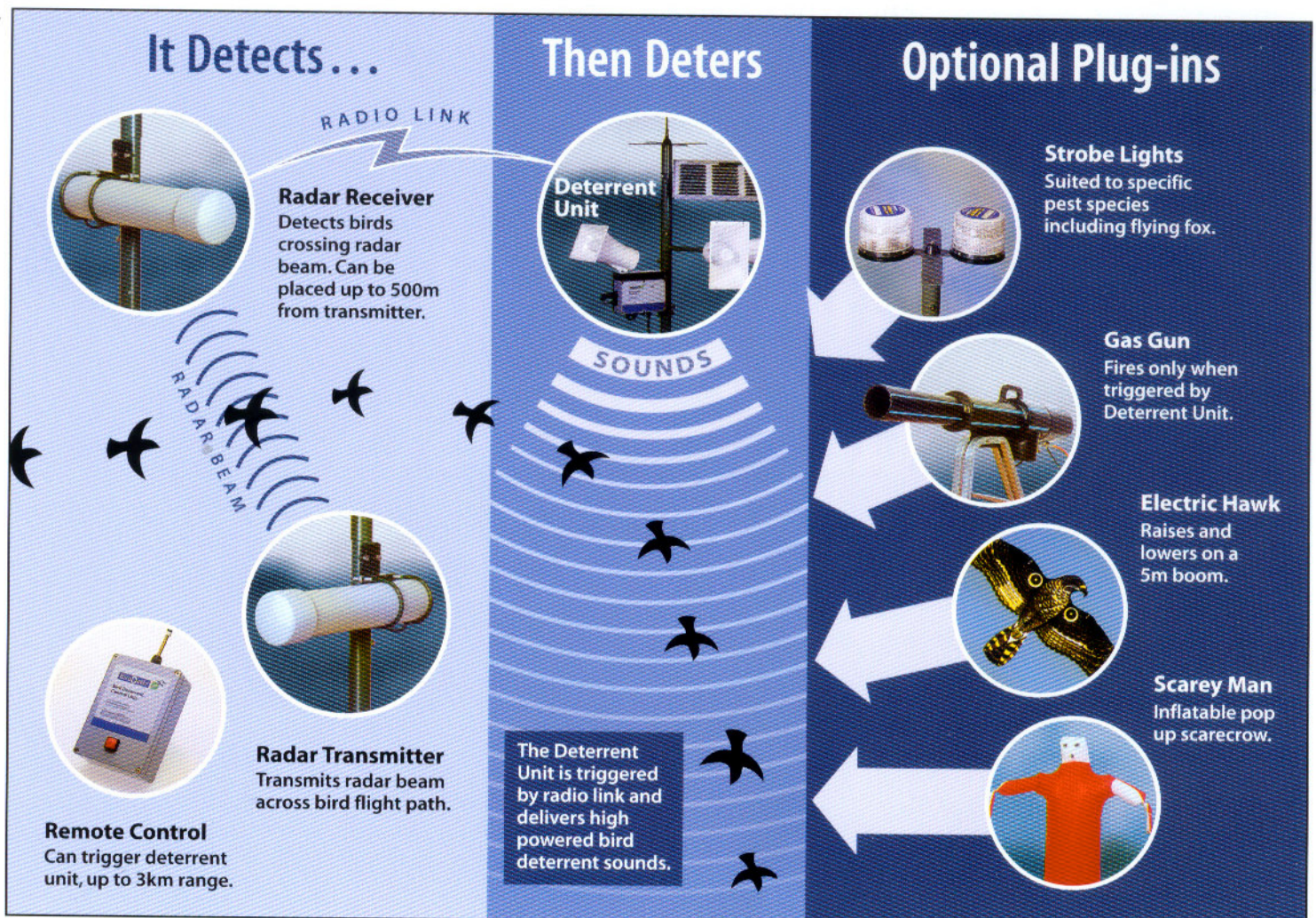
It makes sense — and it works.

BirdDeter Strategy

1. **Understand your situation and your birds.**
2. **Start early and use the correct tools.**
3. **Monitor the ongoing results**

Detection is the key to maximum crop protection.

- BirdDeter's unique, patented radar technology detects birds **before** they enter the crop — then scares them away before they can cause damage.
- Once birds are detected, our effective deterrent tools will:
 - Deter birds at the **right time** — as they approach the crop area.
 - Use deterrents which have maximum scare impact on the birds.
 - Stay silently on guard all season, every season until activated by birds.
 - Maintain the **surprise element** — essential to prevent birds from becoming accustomed to the deterrent.
- In most cases BirdDeter is more economical than nets or shotgun patrols.
- BirdDeter's design gives you **100% access** to your crop, 100% of the time — and its portability makes it easy and flexible to deploy.



Why is BirdDeter so effective in protecting crops from bird damage?

- **Birds are thoroughly scared because the “surprise” element is present.**
 1. Birds about to enter a crop protected by BirdDeter will see nothing that disturbs them. The system is powder-coated green, camouflaged and hidden in the most tempting part of the crop.
 2. As the birds leave the trees and head for the crop, the radar detects them and sends a radio message to the carefully concealed deterrent unit.
 3. The birds are about to land. At close range and without notice they are suddenly confronted with loud distress calls and other deterrents.
- **Birds are trained to stay away, not ignore the deterrents.**
 1. Correct timing ensures that birds learn to associate the crop with **danger** rather than **pleasure**.
 2. The deterrent computer changes the deterrent sequence each time the equipment is activated — so birds never become accustomed to the sounds.
 3. Biological detail in the deterrent sounds convinces birds they are real — thus posing a clear and present danger.

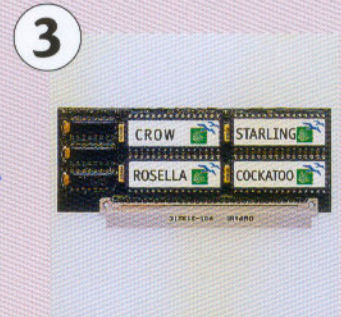
Authentic bird sounds enhance deterrence



BirdDeter uses authentic bird alarm, distress and predator calls recorded in the field.



Field recordings are edited, digitally enhanced and stored for future use. BirdDeter maintains a library of distress calls for a wide variety of pest bird species.



Each BirdDeter system contains a set of digital sound chips which store bird calls and other sounds specially selected to suit specific situations.

Stay ahead of the birds.

To learn more about the BirdDeter system, call us. We'll provide you with a free site assessment and advise you of upcoming field demonstrations in your area.

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