## BIRD CONTROL IN KIWIFRUIT CATALOGUE 2019

# HELPING GROUP

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### >>ABOUT US



Maintrac Group, helps industries grow with innovative solutions for growth. We supply a range of innovative products developed right here in NZ, as well as brands sourced from around the globe.

## >>OUR VALUES

- Honest with integrity
- 🗸 Always reliable
- 🗸 Share knowledge
- Passion
- Think outside the box
- Care for the environment
- Care for the safety of others

## >>WHERE WE ARE

Our head office is in Westport on the beautiful West Coast of New Zealand.

Products may be shipped from other locations around NZ, to ensure fast service and prompt delivery to you.

We provide free delivery NZ wide on all orders over \$50.00 + gst

view all products on our website at - www.maintracgroup.com

## >>BIRD-X SOUND DETERRENTS

Bird-X in the USA have been supplying effective and humane bird control solutions for over 50 years. Use of natural bird sounds have been used for many years as an effective way to deter birds. Bird-X units are designed for long life in outdoor conditions as well as playing high quality and realistic bird sounds for effective bird control.

"We have finished using the Mega Blaster in our vineyards now and are very pleased with the results. There was very little bird damage within a 200 meter radius (12½ hectares) and it was significantly reduced over a 250 metre radius (20 hectares). I would have no hesitation in recommending this electronic equipment as an important tool in bird control." - grower, Nelson.



#### Easy

Simple electronic controls allow a range of time delay settings as well as day, night or 24 hour use options. Simple plug in speakers and power source for ease of installation.

#### Effective

Natural bird distress and predator sounds cause birds to feel threatened and unsafe. Their instincts tell them to leave or avoid the areas covered. These sounds can be volume adjusted to blend in with the surrounding environment, so they can be used in more confined or built up areas.



#### **Custom Sounds**

Additional sound cards can be used to target different bird species or used for variation. We have large sound library with the ability to target a variety of different bird species in different areas and situations. Each sound card has a combination of 8 different sounds which can be used interchangeably and randomized to prevent bird habituation.



#### Warranty

12 months warranty for your peace of mind.



Combine these with a kite package or other visual deterrent for best results.





#### **BirdXPeller Pro Package**

Ideal for areas up to 1 hectare. Includes:

- BirdXpeller Pro control box with built in speaker
- Extra extension speaker, with 30m of cable
- Customised sound chip
- 230v power supply & battery leads for 12v battery power

#### Super BirdXPeller Pro Package

Ideal for areas up to 2.4 hectares includes:

- Super BirdXpeller Pro control box with custom chip socket
- 4 extension speakers, each with 30m of cable
- Customised sound chip
- 230v adapter & battery leads for 12v battery power



#### **NEW – Birdzout Sound Deterrents – Coming Soon!**

- Easy to use touch screen controls
- Multi-speaker options for small to large areas
- Wide range of bird, predator and harassment sounds

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• Portable power options



## >>LASER BIRD DETERRENTS

The Birdzout BirdEraser is a long range laser, designed for moving flocks of birds away from large areas. From individual birds to large flocks, the BirdEraser is a useful tool for moving birds away from specific areas, as required. Most effective in dull or low light conditions.



#### Easy

Easy to use - direct the laser on to the ground near the bird then move it towards the bird. The birds see the green image as a solid object that is threatening and fly away from it. Portable and easy to carry around.

The new Birdzout auto laser units are setup to automatically cover an area from a central point. These lasers pan and tilt over an area which is set as required. This saves time and labour, a cost effective way of deterring birds from large areas.



#### Effective

Works on all bird species, individual birds and large flocks. Will deter, Starlings, Sparrows, Plovers, Black-back Gulls, Terns, Magpies, Feral Pigeons, Paradise & Mallard Ducks, Herons and most other bird species.

#### Add & Combine

An easy way to add to any bird control program, Birdzout Lasers can be used along with other methods of bird control.

#### Birdzout BirdEraser – Standard

Key Features:

- High quality, class 3B laser
- Push button activation
- Safety switch
- Range of up to 5000m in low light conditions.

\$1080.00

+ gst

• Supplied with 2 rechargeable batteries, charger and carry case



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#### Birdzout BirdEraser - with Scope

Key Features:

- High quality, class 3B laser
- Push button activation
- Safety switch
- Scope, which is very useful for identifying or lining up the target before pressing the button
- Range of up to 5000m in low light conditions
- Supplied with 2 rechargeable batteries, charger and carry case

#### Birdzout Green laser – bird chaser

Great for small areas and inside buildings. A lower power alternative to the BirdEraser models.

- Adjustable point •
- Keyed safety switch
- Infrared radiation filter
- Rechargeable supplied complete with battery charger & two batteries
- Cost effective bird deterrent



Please note: Hand held lasers are restricted in New Zealand. Exemption has been granted for industrial use, which includes bird control, providing users are 18 or over and sign a form a stating use will be for bird deterrent purposes only.



## >>BIRDZOUT AUTO LASERS

#### Birdzout BZAL-8 - Auto Laser

Key Features:

- High quality, class 3B laser
- 350 degree rotation with pan and tilt.
- Weatherproof IP65 rated
- Laser distance in sunlight: 150m
- Laser distance at night: 600m
- Area covered: 7+ hectares
- Package includes: Auto laser unit, settings controller with keypad and joystick, power supplies for mains and 12v connections.





#### Birdzout BZAL-25 - Auto Laser

Key Features:

- High quality, class 3B laser
- 350 degree rotation with pan and tilt.
- Weatherproof IP65 rated
- Laser distance in sunlight: 300m
- Laser distance at night: 1200m
- Area covered: 28+ hectares
- Package includes: Auto laser unit, settings controller with keypad and joystick, power supplies for mains and 12v connections.

#### Birdzout BZAL-50 - Auto Laser

Key Features:

- High quality, class 3B laser
- 350 degree rotation with pan and tilt.
- Weatherproof IP65 rated
- Laser distance in sunlight: 500m
- Laser distance at night: 2400m
- Area covered: 78+ hectares
- Package includes: Auto laser unit, settings controller with keypad and joystick, power supplies for mains and 12v connections.



## >>ACCESSORIES

#### **Birdzout Tripod Kit**

- Tripod kit complete with poles extendable up to 4 metres.
- Includes laser mounting bracket and mounting bolts.
- 40mm & 35mm telescoping tube diametres.



#### **Birdzout Solar Package**

Complete 12 volt power supply. Suitable for running an auto laser for 6 - 8 hours per day.

Includes:

- 20 watt solar panel with charge controller
- 24 hour / 7 day timer
- 9AH SLA battery
- Waterproof enclosure



\$320.00

+ gst

#### Birdzout Solar Package - Heavy Duty

Complete 12 volt power supply. Suitable for running an auto laser for 12 - 16 hours per day. Includes:

- 40 watt solar panel with charge controller
- 24 hour / 7 day timer
- 18AH SLA battery
- Battery case

• \$660.00 + qst

#### 😲 TIP

These accessories can also be used with our sound units on page 11.



## >> ENDURACOPTER UAV DRONES





#### Tough

Enduracopter UAVs have powerful motors and a lightweight but strong body.



#### **Weatherproof**

Enduracopter's weatherproof frame and quality water and dust proof motors, mean you can fly in all weather conditions. Rain or shine. Snow, dust or sand.



#### Endurance

Fly for longer with flight times of up to 55 minutes, perform all the tasks you need.



#### Multi-purpose

Flexible platform allows for adding a range of different accessories for multipurpose use.



#### **Kiwi Made**

Designed and built in New Zealand.

#### Enduracopter EC700

- Max Flight Time: Approx 40 minutes
- Flight Modes: Autonomous and Manual
- Dimensions: 520x520x300mm
- Max speed 90km/h
- IP55 rating
- Weight (Battery and Props Included): 4800g
- Propeller Size: 16"
- Battery Size: 16,000mah
- Charging Time: Approx 40 minutes
- Frame Materials: Carbon Fibre and Anodised Aluminium



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#### **Enduracopter EC900**

- Max Flight Time: Approx 55 minutes
- Flight Modes: Autonomous and Manual
- Dimensions: 700x700x400mm
- Max speed 90km/h
- IP45 rating
- Weight (Battery and Props Included): 5950g
- Propeller Size: 21"
- Battery Size: 22,000mah
- Charging Time: Approx 55 minutes
- Frame Materials: Carbon Fibre and Anodised Aluminium

#### **Birdzout Drone – Sound Deterrent**

A sound deterrent specifically designed to fit the Enduracopter range.

- Custom sound options to target a wide range of birds. Can also be programmed with sounds for mustering sheep or herding cattle.
- 2 track sound selector option for variation between flights
- High powered amplifier
- Powered directly from the drone





## >>PURIVOX GAS GUNS

Purivox in Germany have been manufacturing quality gas guns for over 30 years. Designed and built to last, these gas guns will give you many years of problem-free bird control. All Purivox gas guns are electronically controlled for reliability, safety and peace of mind.

"Having tried every gas gun on the market, we found that nothing is as good as the Purivox gas gun. We have been using Purivox gas guns for more than 16 years and have over 200 guns in use. They are easy to setup and most of all they are reliable and work." - seed grower, Canterbury.



#### Easy

Simple electronic controls allow a range of time and shot settings and a 24 hour timer allows easy setup of on and off times, adjustable within 30 minute intervals. This allows easy adjustment for different applications and compliance with local regulations.

#### Efficient

Economical on both gas and battery power. A Purivox gas gun can shoot over 15,000 shots from one 9kg LPG bottle and uses 2 x 6 volt lantern batteries for long life.

#### Effective

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With a shot volume of up to 146 decibels at 1 metre or 96 decibels at 100 metres, Purivox gas guns target all bird species and are a simple and cost effective way to deter birds from large areas. All time delay settings are randomized, this prevents bird habituation.



#### Warranty & Parts Support

12 months warranty for your peace of mind. A wide range of replacement parts carried in stock.

## 🍨 TIP

Set gas guns to fire at 3 shots per cycle with a longer delay interval, for best results.

#### **Purivox TriplexV**

Light weight and portable, can easily be moved around blocks

• Covers 1 - 5 hectares







#### **Purivox Carousel**

Ideal for large open areas, a rotating gas gun increases coverage and confuses birds, as they do not know where the next shot will come from.

- 2.1m tripod
- Covers 4 25 hectares
- Optional mirror pyramid visual deterrent

#### \$1,590.00 + gst

#### **NEW – Easy Set Timer**

Purivox gas guns now have the option of an easy set timer. Settings can be set on an Android or iPhone app, and quickly transferred by NFC to the timer. Ideal for ease of setup, or when using multiple gas guns.





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## >>BIRDZOUT PYROTECHNICS

Pyrotechnics are banger or screamer cartridges fired from a hand held launcher pistol. Our cartridges are imported from a specialist manufacturer in Germany, for reliable and consistent quality. Pyrotechnics are an effective way to add to any bird control program in crops.

"We have used the pyrotechnic launcher to supplement a shooting and netting program. Our shooter finds the hand held pistol useful to control birds next to a busy highway where discretion is required. It was effective in splitting and deterring large mobs of starlings, targeting the vineyard. Certainly in the market for more." - viticulturist, Marlborough.



#### Portable

Fits in a small case for portability. Pyrotechnics can be used quickly and easily to move on large flocks of birds attacking a crop.



#### Effective

Safer and more effective than shooting. Bangers and screamers threaten, confuse and disorient all bird species creating an environment they quickly learn to avoid. Use of both banger and screamer cartridges, confuses birds and prevents them from becoming used to the sounds.



#### **No Licence Required**

A gun licence is not required, pyrotechnics can be used by any member of staff 18 years and over.



#### Add & Combine

An easy way to add to any bird control program, pyrotechnics can be used along with other methods of bird control.



Fire pyrotechnics at a 45 degree angle to maximise distance.



#### **Single Shot Launcher**

The Single-Shot Launcher is the standard launcher for projecting Bird Bangers and Screamers. A single cartridge and a 6mm blank are loaded in the Launcher when firing. The blank automatically ejects during firing.

#### **Bird Bangers**

Explode with a very loud "BANG" that scares pest birds and wildlife. Will travel around 25 to 30 metres before exploding. Pack size - 50 x 15mm cartridges.



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#### **Bird Screamers**

Make a very loud "SCREECH" sound that scares pest birds and wildlife traveling around 75 - 90 metres as they scream. Pack size - 50 x 15mm cartridges.

#### **Blanks**

Bird Bangers and Screamers are fired using .22 Calibre Blanks (6 mm). Pack size - 100 x 6mm blanks.



#### **Complete Pyrotechnic Package**

A complete package to get started using pyrotechnics. Includes:

- Single shot launcher
- Pack of 50 banger cartridges
- Pack of 50 screamer cartridges
- Pack of 100 blanks
- Lockable carry case (also available separately)

These products must be kept in locked storage while not in use. Keep away from any sparks or ignition sources.



\$25.00

+ qst



## >>JACKITE PREDATOR KITES

Predator kites are a life-like bird of prey, commonly flown on a short 2 metre line from a telescopic pole where they fly like a real bird. These are our most popular and successful visual bird deterrent. An effective way to protect your crops from pest birds.

"The Falcon Kite I bought early March has done a great job in our 3 acre vineyard. We had covered the vines with nets but there were too many holes and the birds were causing lots of damage. After mounting the kite on the 9.2 metre pole, the bird damage greatly reduced. It has been a very worthwhile purchase." - vineyard, Nelson.



#### Easy

Easy to use and install or move between blocks, as required. These kites will fly in a light breeze, if the wind does drop, they automatically start flying again when the wind picks up.



#### Effective

These kites actually fly and are extremely realistic, appearing like a real bird of prey. Pole heights of up to 9.2 metres allow coverage over a large area. The higher the kite is, the greater the coverage.



#### Add & Combine

A great way to add effect to a sound deterrent system, these kites work particularly well when combined with a Bird-X sound unit, as birds associate the predator sounds with the kite, creating a realistic scaring environment birds will avoid. This has a far greater deterring effect on the birds than using an individual deterrent on its own.

#### **Individual Kites**

Available as either a Osprey Hawk or Peregrine Falcon. While neither bird is native to NZ, both have proved an effective bird deterrent - NZ wide. If using more than one kite, it is recommended to have each type, for variation.

- Made from Tyvek a tough, light weight plastic
- Fly in up to 50km/h winds
- 1100mm wing span



Osprey Hawk

Peregrine Falcon

#### **Kite Packages**

The best option for flying predator kites. Each kit includes a predator kite, telescopic pole and pole mounting bracket. Choose from the options below:

Predator kite: Peregrine Falcon or Osprey Hawk

Telescopic pole: 5.5m, 8.3m or 9.2m height

Pole Bracket: Ground / Stake mount or Post / Wall mount

\$85.00 + gst

Poles and brackets can be purchased separately.



## >> BIRDZOUT VISUAL DETERRENTS

Visual bird deterrents are one of the oldest and most common methods of deterring birds. Using frightening objects, along with the combination of flashing light and movement, scares birds away from the areas covered. Although, not necessarily 100% effective when used on their own, visual deterrents are a great option for adding effect to other bird deterrent systems. Multiple birds deterrents work together in synergy, to create an affect on the birds far greater than the affect of the individual deterrents, used on their own.

"This year, we hung these Scare Eye Balloons in the cherry tree (along with some of the holographic tape), and I am happy to say that I harvested a huge crop of ripe red cherries this year -- birds stayed away!" - home orchardist.

#### Flash Tape

Flash tape uses light, movement and sound to create an environment that is very annoying to birds. The holographic tape is highly reflective with multi-coloured flashes of light, the red & silver tape creates a flashing effect which is also an effective bird deterrent. In 150m rolls.





#### **Scare Eyes**

The scary eyes and reflective tail strike fear into birds scaring them from the area covered.

- 3 pack includes white, yellow & black
- 500mm diameter tough balloons reusable
- red reflective tail

#### **Birdzout Reflector**

The Birdzout reflector bird scarer is a wind powered visual deterrent that scares birds with flashes of sunlight. Unlike people, most bird species can see into the ultra-violet light spectrum.

Flashes of sunlight make birds confused, uncomfortable and irritated so that they avoid the area covered.



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## >>BIRD CAPTURE

Resident birds living in or near an area, are often the ones that cause the most damage.

Physical removal of these resident birds, can go a long way in helping to prevent bird damage. Use traps for large birds. Mist net is great for small birds and is able to catch larger numbers at one time.

#### Magpie & Small Animal Trap

A simple and effective way to trap: Magpies, mynas, pigeons, ducks, pukeko, rabbits, stoats, rats and most other birds and small animals that will enter the trap.

- Easy to set and use
- Double coated for superior rust protection
- Green powder coating easy to camouflage
- Double acting, sensitive trip mechanism
- Removable mirror
- Locking door system no escapes
- Dimensions: 500mm long x 280mm wide x 280mm high (not including door rails)



#### Mist Net – for live bird capture

Set this up in bird flight paths to catch pest birds. The net is made of a very fine 0.08mm diameter cord, spaced at 28mm apart which is almost invisible when set up. Birds do not see it, and fly straight into it and cannot get free.

Available in 15m and 30m lengths.

#### **Alphachloralose Paste Bird Bait**

An easy way to get rid of resident birds. Contains alphachloralose which is a narcotic that acts by anesthetizing birds rather than killing them. This allows birds to be captured and destroyed while other non-target birds can be revived. Spread on bread to target starlings and sparrows or mix with mince or fat to target magpies and mynas.







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