

## How it works

- The BirdSpy Bird Detection System alerts the tractor operator to the situation where birds have entered the engine bay while the tractor has been left unattended.



- The system prevents the use of the tractor until the intrusion has been investigated and the fire risk assessed.

- The bird sensor(s) are permanently mounted in the tractor engine bay at or near the highest temperature locations which are the critical fire risk areas in the presence of bird nesting material. For example: around exhaust manifolds and turbochargers, or the path along which a bird must follow to enter such areas.



- When the ignition key is next turned on, if no sensor has been triggered, the engine may be started and operated normally.

- But if a sensor has been triggered, the system does not let the engine start, and the engine does not heat up and set alight the bird nesting material. A warning lamp and audible alarm alert the operator.



- The reset switch/sensor located in the engine bay must be activated once the operator has checked and cleared the critical fire risk areas.

The BirdSpy Bird Detection System is an effective tool for minimising the risk of fires starting from bird nesting material. It reduces worry and saves money from the cost of repairing and replacing fire damaged equipment, loss of earnings from down time. It keeps your workplace and workers safer, too.



BirdSpy Limited

Ph: 07 808 0895

Fax: 07 788 0125

email: [sales@birdspy.co.nz](mailto:sales@birdspy.co.nz)

[www.birdspy.co.nz](http://www.birdspy.co.nz)

# Their nest, Your problem!

Worried about your tractor or other plant  
and equipment going up in smoke?



# The Problem

## Bird nests in engine bays cause fires!

Birds, Starlings in particular, have the ability to get into the smallest of nooks and crannies to build nests and create some very real dangers for tractor and other plant owners. A nest can be built quite quickly, some say as quickly as 17 minutes. Birds are said to enter through openings as small as 25mm – a very small gap.



The bird nesting phenomenon is at it's worst and occurs suddenly with the arrival of Spring (bird nesting season) and continues through the Summer months.



Tractor owners face very real dangers during this peak season. Fires can start when nesting material is placed on an already hot surface, but more typically fires start when the tractor resumes operation.



Usually the operator is not aware of the fire risk, either because they have not checked for bird nesting material or have not checked recently enough. Some, through lack of education, are not even aware of the connection between bird nesting and tractor fires.

The insurance industry will attest to the concerning amount of fires caused by bird nesting in tractors, resulting in high costs of repair, permanent or rental replacement, and loss of earnings.

# The Solution – BirdSpy

The BirdSpy Bird Detection System is a device easily fitted by a qualified installer. It is strategically installed within the engine bay of your tractor or other plant. It's job, and it does it incredibly well, is to monitor for potential bird activity while your tractor is not in operation.



www.birdspy.co.nz

BirdSpy's two key features:

Firstly the BirdSpy system warns you of a potential problem and prevents you from actually starting the tractor or plant.

Secondly once triggered the operator must reset the system to enable starting. To do this the bonnet must be lifted - which provides opportunity for visual inspection.

