



FLOCK **OFF**®

BIRD REPELLENT

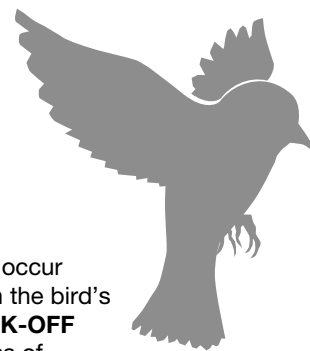
**GIVE
BIRDS
THE
MESSAGE!**

KEY BENEFITS

- ✓ **REPELS MANY BIRD SPECIES**
- ✓ **HARMLESS TO BIRDS**
- ✓ **COST EFFECTIVE**
- ✓ **LOW TOXICITY**
- ✓ **NO RE-ENTRY INTERVAL**

GIVE BIRDS THE MESSAGE

Loss of kiwifruit flower buds and leaf/shoot damage from bird feeding occurs very quickly and can be devastating to orchards. **FLOCK-OFF** is an effective, low toxicity option to repel birds.



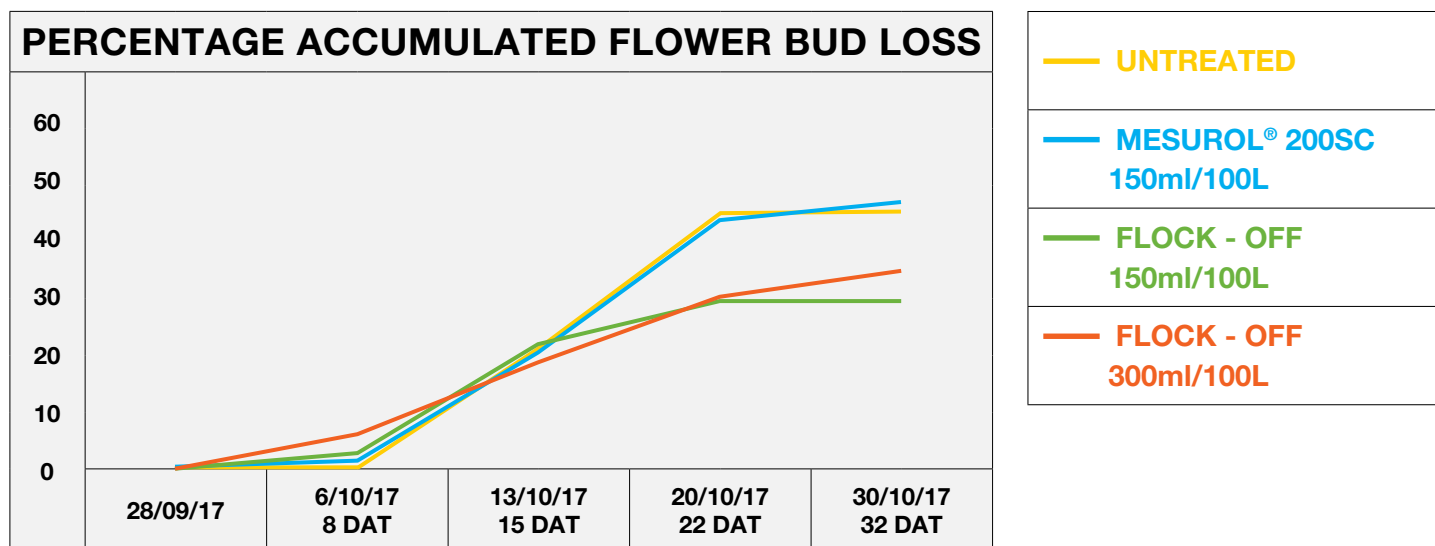
FLOCK-OFF BACKGROUND

FLOCK-OFF contains methyl-anthranilate as its active ingredient. Methyl-anthranilate has been found to occur naturally in flowers and grapes. **FLOCK-OFF** works as a repellent by stimulating the 'trigeminal nerves' in the bird's beak, eyes and throat. Although most animals have these nerves, only birds react to **FLOCK-OFF**. **FLOCK-OFF** irritates birds sense of taste and smell. It does this without causing any harm to the bird. The effectiveness of **FLOCK-OFF** is proven with birds exposed to **FLOCK-OFF** rapidly developing a conditioned response to avoid treated crops.

LENGTH OF CONTROL

Typically, up to 1-2 weeks, depending on weathering, crop growth etc. New growth is not protected so re-application at 7 to 10 days may be required if bird pressure continues. Monitor regularly and apply a second application if bird pressure and damage is observed. Birds may be observed in the area for 24-48 hours after treatment but will usually leave the area. New flocks entering the treated area within 10 days will move on once 5-10% of the population have been exposed to the taste irritation from **FLOCK-OFF** and communicated to the rest of the population.

FLOCK-OFF repellence will vary by species. **FLOCK-OFF** has proven to be particularly effective on Sparrows, Blackbirds, Starlings, Pigeons and Geese, including Canadian geese.



GETTING THE BEST OUT OF FLOCK-OFF IN KIWIFRUIT (Pre-Flower Use Only)

Monitor and apply **FLOCK-OFF** at the first sign of bird damage. Use **FLOCK-OFF** at the rate of 150 – 300mL per 100 litres in 600-1000 litres of water. Add **Du-Wett®** Super – Spreader for increased coverage. Do not spray to run-off.

LOW BIRD PRESSURE: 150mL per 100 litres water

HIGH* BIRD PRESSURE: 300mL per 100 litres water

RAINFALL: If wet weather is likely use **Du-Wett WeatherMax®** (low water volumes 600-800L/Ha) or **Bond® Xtra** (medium water volumes 1,000 L/Ha) to increase coverage and rain fastness if rainfall is expected. Re-apply after heavy rain (> 25mm within 1 week of application) and when birds start to re-enter the treated area.

Treatments may last 7-14 days if not washed off. New growth is not protected.

ALTERNATE ROW SPRAYING: Damage is often highest near shelterbelts and other roosting sites. Consider applications to every row close to shelter belts and where bird pressure is high. Application to every alternate row may be possible, well away from shelter and where bird damage pressure is less.

* Use the higher rate for longer control, when bird pressure is heavy or new bird populations are invading the area.

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