

AVEX™

BIRD REPELLENT

TECHNICAL

- WHY USE AVEX?**
- ✓ Strong Associative Learning Response in Birds = **Effective**
 - ✓ Visual + Taste = creates fast **Aversion Learning**
 - ✓ Must be ingested but only a small part of the bird population is required to experience the taste
 - ✓ **NON TOXIC** - US EPA approved
No adverse effects on Humans, Plants, Pets, the Environment or Wildlife

A unique formulation with two modes of action. One active ingredient, polycyclic quinone, gives an unpleasant taste to deter birds. Avex also contains a colour in the Ultra violet light spectrum that birds can see and they associate the colour with the taste and avoid landing on treated areas.

AVEX™ also sticks to the birds' feet and they taste the product as they clean themselves.

Repellency will vary by species but has proven particularly effective on Geese, including Canadian geese, Sparrows, Blackbirds, Starlings, Pigeons etc.

What is Avex?

The polycyclic quinone active ingredient has been found to occur naturally in many plant tissues, including Aloe, Perennial Ryegrass, Grapes and Senna.

Avex has been tested and found effective on Canadian Geese, Mallard Ducks, Quail, Starlings, Blackbirds, Sparrows, Crows, Pigeons, Robins and Seagulls.

The taste response mode of action is not fully understood, but repellency is thought to be caused by either irritation of the bird's tongue and/or throat and by the foul taste distinguishable to birds.

Birds exposed to AVEX rapidly developed a conditioned response to avoid treated crops.

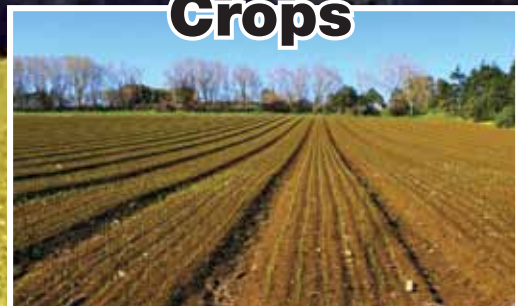
Length of control is typically 2 to 4 weeks, depending on weathering, crop, growth, etc.

Birds may be observed in the area for 24-48 hours after treatment but will usually leave the area. New birds moving into the area will require education - only 5-10% of the population will need to be exposed to Avex.

RAINFALL – use with Du-Wett® Rainmaster® (low water volumes) or Bond Xtra® (medium water volumes) if rain likely.

Pack size: 3.78 L

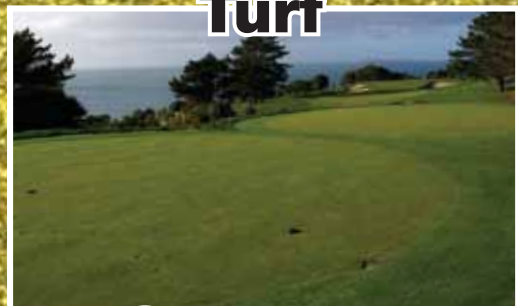
Crops



Buildings



Turf



Seedling transplant



DIRECTIONS FOR USE:

Apply in low water volumes with Du-Wett®, Bond-Xtra® or Du-Wett Rainmaster® to ensure thorough coverage of crop seed heads etc. without run-off. Use the higher rate if bird pressure is high.

After an initial application at full rate, a half-rate may be applied after 3 weeks to extend control.

| Use: | Directions: | Rate: |
|-----------------|--|------------|
| Non-crop | Parks, reserves, golf courses, sports grounds, Buildings and Structures | 4 – 8 L/ha |
| Arable Crops | Seed production (DO NOT USE on Bird Seed) | 1 – 4 L/ha |
| Vegetables | Apply to transplants at planting time and reapply to new growth. | 1 – 4 L/ha |
| Fruit Crops | Apply at bud burst to protect new growth. | 2 - 4 L/ha |
| Seed Treatment; | Use 1-2 litres per 1000kg of seed (Treat a small quantity and test for germination effects before widespread use). | |

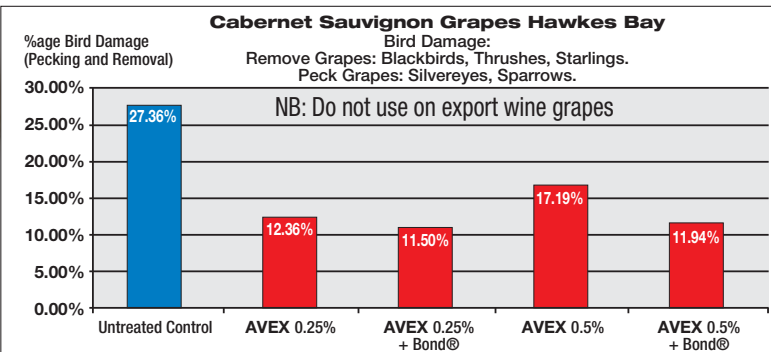
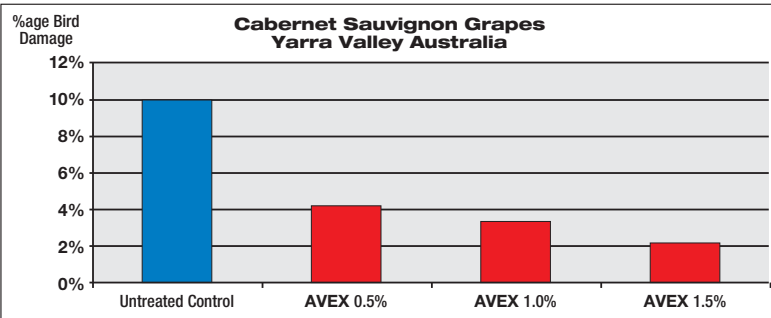
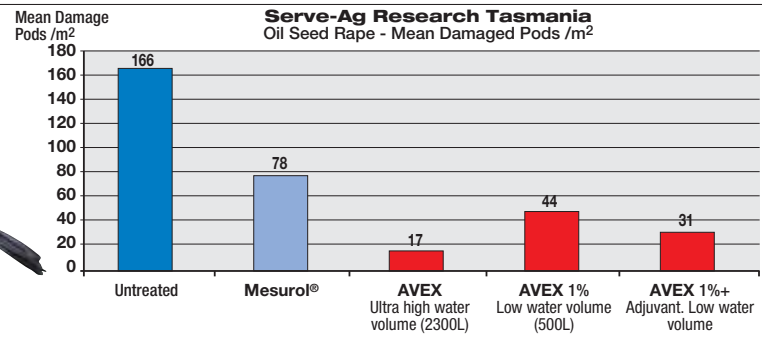
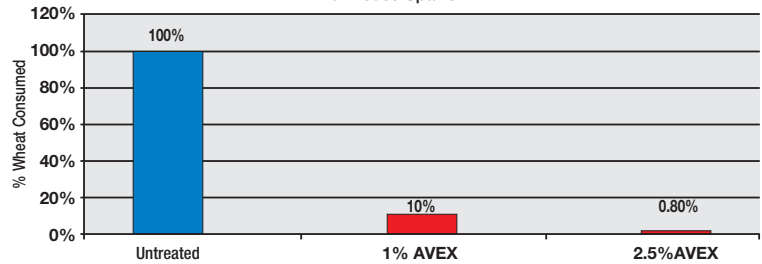
Food Crops: An MRL has been set in NZ for Domestic wine grapes only -
DO NOT USE on export wine grapes
DO NOT USE on any food crop within 6 weeks of harvest.

TRIAL RESULTS

Landcare Research - Hawkes Bay
Trials conducted at 3 sites. Bird - House Sparrow.
Bird Tables were pre fed with wheat for 3 months prior to trial.
A known quantity of wheat was placed on the tables each 24 hours for 7 days. All the pre-trial wheat was completely consumed each day. During the trial, fresh wheat treated with AVEX was put out each day and weighed after 24 hours.

CONCLUSION: AVEX was highly effective as a bird repellent on House Sparrows in NZ.

Landcare Research Hawkes Bay Bird: House Sparrow



For further information contact:

enquiries@etec.co.nz

Etec Crop Solutions Ltd.

PO Box 51584, Pakuranga, New Zealand.

Phone: 0800 100 325

www.etec.co.nz

© Mesuro is a registered trademark of Bayer Ag.™ AVEX is a trademark of Etec Crop Solutions.

Etec
CROP SOLUTIONS