

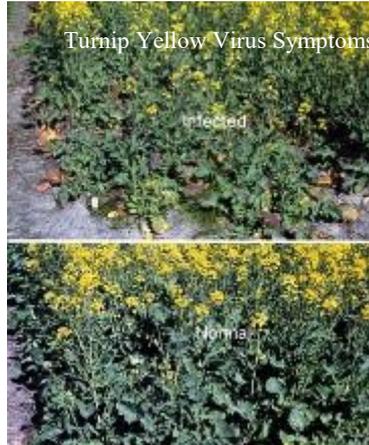


APHIDS

Considering the above average rainfall received over this summer and the moderate temperature conditions experienced, there has been substantial plant growth and an increase in insect development rates. Many insect pests and diseases of broadacre cropping rely on the availability of host plants, including weeds and volunteer crops, to survive between growing seasons. This plant material is referred to as the 'green bridge'. The presence and timing of the green bridge influences the risk of early season pest and disease outbreaks. Therefore, aphids are of large concern coming toward the start of the cropping season. Green Peach Aphid (GPA) and Russian Wheat Aphid (RWA) harbour in the green bridge and should be of particular interest and concern this season.



Green Peach Aphid



GPA is of concern for crops of canola and many pulses. Not only does it cause damage to plant material via direct feeding, but it is also a vector for some diseases, including Turnip yellows virus. These aphids colonise many common broadleaf weeds, including wild radish, marshmallow, blackberry nightshade and volunteer canola and pulses (GRDC, 2020).



Russian Wheat Aphid



RWA Feeding damage



RWA colonising a leaf

RWA affects cereal crops, with wheat and barley crops being the most sensitive. They cause damage from direct feeding by removing plant nutrients and secreting toxins into the plant causing phytotoxic effects (GRDC, 2018). During summer, they generally colonise a range of grass weeds but particularly, barley grass, brome grass, rye grass, wild oats, and volunteer cereals (Cesar Australia, 2021).

The key to reducing aphids becoming an issue is to eliminate the green bridge at least a month before sowing and then monitor paddocks for aphid colonisation. To help combat aphid risks this season consider using Gaucho 600 seed treatment for the prevention of aphids early on cereals and canola. If the control of RWA and GPA in-crop is warranted during the season, consider the broadacre sprays of Corteva's Transform or BASF's New insecticide, Versys.



For more information and advice, don't hesitate to speak to our agronomists.



NEW PRODUCTS

S6 Lithium Solar Energizer

Perfect for keeping pets in your yard also keeping the animals off of the garden.

This product would be great to take away camping with horses and ponies.

- Safe and effective garden and pet protection
- Easy to install and maintain
- Long lasting power, 24/7



CZ 457 Beech Wood

A high quality rimfire rifle designed for the Australian market. The Beech Wood model is true to the lines of the classic American sporter style rifle.

Made without sights, the top of the receiver is machined with a 3/8" wide dovetail groove for mounting standard rimfire dovetail mounts.

For more information on this rifle head into our firearms section at the Port Lincoln store or call us.



NEW range of Muck boots in store now!



We have stocked up & received some new styles of Muck boots just in time for the winter months. All muck boots are 100% waterproof so the ideal boot for around the farm or garden, whilst providing comfort and warmth for your feet.

Our new range includes the Men's Muck Originals, Women's Muck Originals, Women's Muckmaster II Mid & Kid's Hale boot.



Davo's Fencing Clips

Now Stocking this ingenious invention by a farming family in Western Districts of Victoria which will make fencing easier!



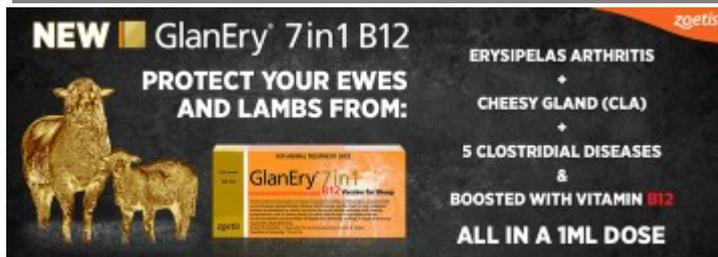
Available in Gardener pack, Hobby Farmer pack and Carry pack sizes.

Available at both stores.

Amazing New Product



GLANERY 7 IN 1 B12



GlanEry 7in1 B12 Vaccine for Sheep has the proven protective power of Glanvac® and Eryvac® in a single convenient, highly effective 1mL vaccine plus Vitamin B12.

GlanEry 7in1 B12 is a NEW advanced vaccine that protects your Sheep and Lambs from Erysipelas arthritis, Cheesy Gland (CLA) and the 5 most important Clostridial diseases; Tetanus, Pulpy Kidney (enterotoxaemia), Black Disease, Blackleg and

Malignant Oedema. In a single convenient, highly effective vaccine with the added benefit of being boosted with Vitamin B12.

The first dose of vaccine primes the immune system, but only provides a small amount of short-term protection. In some animals, there may be no protection at all from this dose. - **Done at marking**

It's not until the animal is given the second dose of vaccine that the immune system is capable of providing protection against the disease. In most cases, this protection lasts 12 months. -**Done at weaning**

An annual booster dose is required to ensure the animal remains protected for another 12 months. Without an annual booster dose the animal will be at risk of disease as the antibody levels will fall below the protective level.

This is the level of immunity required by the animal to provide protection against infection or disease.

1. Pulpy kidney in lambs Challenge

A producer is concerned about losses just prior to or after lamb marking. The producer vaccinates lambs at marking with 6-in-1 and is wondering if this is sufficient. The first cross ewes have been joined to terminal sires and the producer is expecting to get \$150 average for lambs straight off their mothers at 14–15 weeks of age. Replacement ewes are purchased with two 6-in-1 vaccinations administered prior to purchase.

Action

To get effective protection around lamb marking, the producer needs to vaccinate the ewes pre-lambing. A single vaccination at lamb marking to the lambs will only provide a small level of protection 2–3 weeks post marking. If a 5-in-1 or 6-in-1 vaccine is used pre-lambing, then a single pre-lambing booster will cost approximately \$0.30/dose plus labour ie. \$30/100 ewes and just over \$0.23/lamb if there is 130% lambing percent.

Benefit

Assuming a 98% protection from vaccination, and 5% of lambs get pulpy kidney, the gain from vaccination would be \$925/100 ewes, or a return on investment of 30:1 or 3,000%. The producer needs to save one lamb every six or seven years to pay for the vaccination.

2. Arthritis in sheep Challenge

There are a number of causes of arthritis but if the main cause is erysipelas, then vaccination may be appropriate. A producer is concerned about arthritis in lambs, which is observed around marking. Last year the producer had at least 20 lambs out of 500 (4%) affected which could not be sold.

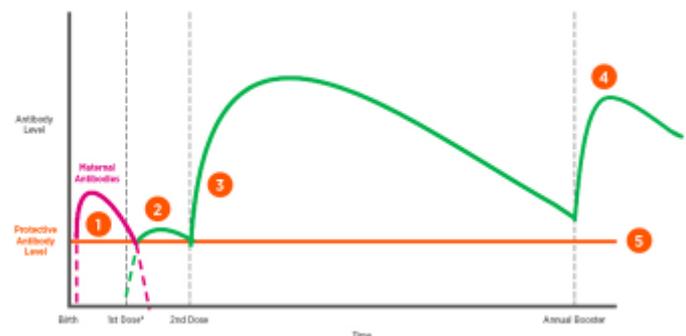
Action

Erysipelas vaccine is given to ewes pre-lambing, and can be given at the same time as a pre-lambing 6-in-1.

Benefit

The vaccine costs \$0.70 a dose, and if approximately 20% of ewes require two doses, then allow \$0.85 per ewe. If the loss associated with arthritis is the full value of the lamb (\$150), the vaccine is 95% effective and the lamb marking percent is 130%, then there will be gain of \$3,280 by vaccinating (a return on investment of vaccinating of over 7:1).

Two Doses of Vaccine Plus Boosters are Essential



HEALTHY WATER, HEALTHY FARM



NEW

Dam Buster - Sludge & Algae Digester

Dam Buster is specifically designed to quickly digest organic solids and remove the need for costly and messy mechanical removal of sludge, duck wee and algied from dams, water holes and open top tanks.

Working from the bottom up Dam Buster™ consumes the nutrients that algae need to survive leaving irrigation & watering dams clear and clean.

Traditional Algacides merely poison the algae which then sinks to the bottom increasing the organic loading and severity of future blooms. Dam Buster™ is a proven, cost-effective and environmentally solution for your dam cleaning. It will not harm fish or other aquatic life and comes in 250g soluble bags that dissolve easily and safely in contact with water.

Trough Buster

Trough Buster™ is a proven, environmental and cost effective solution for cleaning troughs without chemicals that may harm thirsty livestock.

A unique formulation of amino acids, oxygenation and high concentrations of specially selected beneficial bacteria quickly digest organic solids and remove nutrients that algae need to survive.



NEW

SepFix - Rejuvenate your septic tank/waste water system

SEPFIX™ will rejuvenate your septic tank and leachfield by breaking down paper, soap scum, sewage and grease.

This complete process continues from pipe to bio clean septic tank, increasing the bacterial activity needed to rejuvenate the system's performance whilst reducing unpleasant odours.



SepFix - Rejuvenate your septic tank/waste water system

SepFix™ is a highly concentrated mixture of six patented Bacillus bacteria combined with two Pseudomonas species. Each strain produces multiple enzymes, resulting in an extremely powerful biological treatment product, specifically designed for use in wastewater treatment

BUSHMANS PROMO

CHEMCERT ACCREDITATION

ChemCert SA Chemical Accreditation & Chemical Renewal Courses May 2022

Pt Lincoln – Tuesday 17th May
 Cleve - Wednesday 18th May
 Kimba – Thursday 19th May

**ChemCert have scheduled a course for those around the Lock region for Wednesday 12th October due to local request. **

