

Newsletter

EDITION 53, SEPTEMBER 2016



WHY BOTHER WITH BOOSTERS?

The basis of any vaccination program is to provide long lasting protection prior to exposure to a disease. Disease challenges can happen throughout the life of an animal. Vaccines rely on the animals own immune system to provide that protection. They do this by stimulating the immune system to produce an antibody response to a specific "foreign invader" such as a bacteria, virus or protein. Most livestock vaccines on the market in Australia stimulate the immune system by introducing a *killed* or *inactivated* version of the "foreign invader" to the animal's immune system. The animal's immune system then swings into action and produces protective cells and proteins – including antibodies – that target the specific "foreign invader". By using a killed or inactivated version of the foreign invader, vaccines produce a strong immunity to that disease without the animal actually contracting the disease and suffering associated production losses.

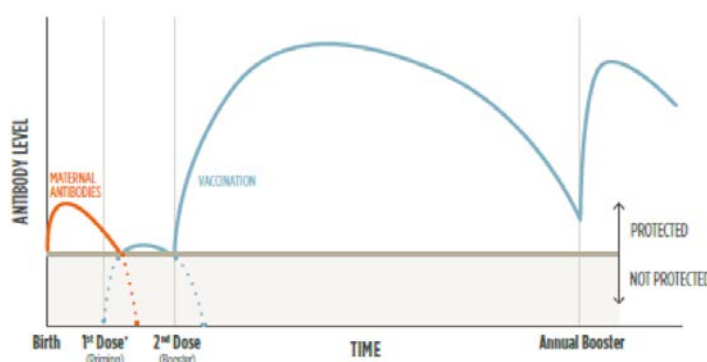
To provide long-term protection, most vaccines require two shots. The first shot, or **priming dose**, stimulates the immune system to recognise the particular bacteria, virus or protein contained in the vaccine. As a result, the animal's immune system produces antibodies and memory cells against that specific "invader". This first dose does not give sustained protection[^]. When you give the **second dose**, the memory cells produced in response to the first vaccination swing into action, producing antibodies on a far greater scale and in a short period of time. The response to the second vaccination gives the animal protection for up to 12 months.*

To maintain a protective level of antibodies in the animal year on year, **annual boosters are essential**. The annual booster shot has a similar effect on the immune system as the 'second dose', that is, massive amounts of antibodies are produced by the immune system, giving long-term protection. ***These annual booster shots are only effective if the animal has received its two primary doses of vaccine[^].***

* Refer to product label for specific details on timing of vaccinations and duration of immunity.

[^] For vaccines with a two-shot protocol. Gudair® and Scabigard

TWO DOSES OF VACCINE PLUS BOOSTERS ARE ESSENTIAL



IN THIS ISSUE

• KEEP YOUR PUMPS AND IRRIGATION SYSTEMS PERFORMING THEIR BEST • ZOETIS BEYOND BLUE FUNDRAISING INITIATIVE • TWO SUPERIOR CHOICES FOR INSECT CONTROL • FAECAL WORM TESTING • FACEBOOK: MONTHLY RECAP • REMINDER: 110L ENVIRODRUM RETURN

AgriWest

A RURALCO PARTNER



KEEP YOUR PUMP AND IRRIGATION SYSTEMS PERFORMING AT THEIR BEST.

If you have pool pumps, household pumps, Firefighters or bore systems, now is the time to look at preventative maintenance for your systems.

\$99 PUMP HEALTH CHECK

Speak to your local water expert at AgriWest today.

5155H FIREFIGHTER®



ONLY
\$850

- Australia's most popular portable self priming pump
- Genuine Honda GX160
- Ideal for firefighting, water transfer, wash down, irrigation and more

XP45T HOME PRESSURE SYSTEM WITH TORRIUM2®



ONLY
\$465

- Constant flow and loss of prime
- Suitable for small to medium single storey homes

For every Zoetis cattle or sheep vaccine or parasiticide sold by Zoetis between 1 August and 30 October 2016, Zoetis will donate \$5, up to \$100,000, to *beyondblue*.

For information about anxiety, depression and suicide, please visit beyondblue.org.au or call the 24/7 *beyondblue* Support Service on **1300 22 4636**

ZOETIS OFFERS AN EXTENSIVE RANGE OF LEADING CATTLE AND SHEEP VACCINES AND PARASITICIDES

For more information regarding these products talk with your rural reseller, Zoetis representative or call 1800 963 847.



TWO SUPERIOR CHOICES FOR INSECT CONTROL THIS SEASON

At a glance – when a more reliable and effective knock down as well as lasting residual control of insects such as aphids is required, and a change of chemistry to avoid resistance issues is preferred.

TRANSFORM®



Active ingredient: 240 g/L Isoclast™ active

Target Insect: Aphids (cabbage aphid, green peach aphid, turnip aphid oat aphid, corn aphid, rose grain aphid and soybean aphid)

Benefits

- Systemic and translaminar activity.
- Effective against insects which are resistant to other insecticides; a rotational partner with other chemistries.
- Approved for use on many crops and pests.
- Has an excellent fit in IPM programs because it has minimal impact on beneficial insects and predatory mites and does not flare secondary pests.
- Can be applied by ground-rig or by aircraft.

COBALT® ADVANCED



Active ingredient: 300 g/L chlorpyrifos and 15.4 g/L lambda-cyhalothrin

Target Insects: Aphids, Earth mites, Lucerne flea, Cutworms, Caterpillars

Benefits

- One product with two modes of action for broad spectrum control.
- Low in solvents, reduced risk to users.
- One product controls most crop establishment pests.
- Less handling, measuring and mixing required.

FAECAL WORM TESTING – AN IMPORTANT TOOL IN YOUR ENTERPRISE

Faecal worm egg counting (FEC) is one of the most essential worm management tools a sheep producer can adopt. FEC's are a practical and very accurate tool that allows the producer to estimate the burden of adult worms in their flock – and now with added technology allowing DNA identification of worms, it is easier than ever to treat your sheep for worm issues. This is a much more accurate assessment than a visual one, and will identify a developing problem long before visual cues appear, at which time substantial production losses will have already occurred.

Resistance to drench actives is an increasing problem in maintaining effective parasite control. Reports have found that most Australian sheep enterprises have at least one form of active resistance. This issue makes it even more important to ensure you are performing worm egg counts to identify:

• **Whether drenching is even required?:** More often than not, sheep are drenched 'just because', or there is a visual trigger ie. scouring. It is important to note that visual triggers such as scouring can often be a nutritional imbalance, and not worms. FEC's allow you to determine what is causing the issue, and treat appropriately. Also, drenching for the sake of drenching all contributes to resistance, particularly if there is little or no worm burden in the flock.

• **What drench needs to be used for maximum effect?:** Once a worm egg count and DNA identification has been done, it can easily be assessed which drench actives will be most effective in ensuring maximum kill and control of the worms present. For example, high levels of Barber's Pole Worm can be better controlled

with a specific active, rather than just treating with any active that may not have a high kill rate for BPW – contributing to resistance and not controlling the burden effectively! Also performing a worm test post-drenching can help you determine if your drench actives are working effectively or whether you need to look into testing for resistance further.

• **Why buy drench when you don't need to?:** Worm testing is inexpensive and easy to do. Knowing whether or not you need to buy drench allows you to control your input costs! Keeping input costs lower by only drenching when required means more profit at the end of the day – saving in both product and labour costs.

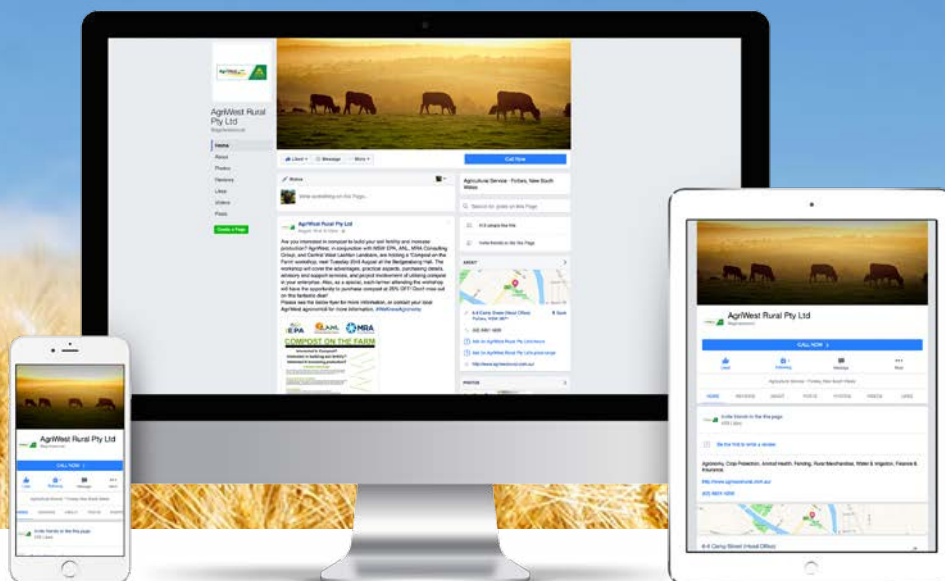
When to do a FEC?

The best time to do a FEC is 2 weeks prior to drenching, and 10-14 days post-drenching. This allows plenty of time for a sample to be collected and sent away for analysis, giving results in a timely fashion to decide whether you need to drench your sheep.

Our Animal Production Specialists are on hand to conduct FEC's on-farm for you. They are able to collect samples, send away for analysis, and upon results, recommend the most effective course of action for your flock. Come and talk to them today about assessing your sheep!

Be on the front foot with your worm control to maximise your production!





FACEBOOK: MONTHLY RECAP

Looking for more insights? Our Facebook page is a great way to stay informed. Regular product information and specials, seasonal insights, community events and branch updates – it's all there at your fingertips!



facebook.com/agriwestrural

110L ENVIRODRUM RETURN REMINDER

Do you have any empty Crop Care or Nufarm 110L Envirodrums sitting on farm? These suppliers will shortly be removing their deposit refund system. We therefore encourage customers to return any empty Envirodrums to us as soon as possible to facilitate a refund for any deposit fees which you may have been previously charged for. The deadline for returns is 30th September 2016 and no credits will be issued for any returns after this date.



Contact an AgriWest specialist today for more information.

Agronomy

Forbes:

Guy Webb
M: 0422 806 325

Parkes/Peak Hill:

Luke Wood
M: 0427 691 633

Animal Health

Forbes:

Em Wollen
M: 0427 523 601

Parkes/Peak Hill:

Dave Rathbone
M: 0428 515 405

Pumps & Water

Forbes:

Brett Rout
M: 0408 571 134

Parkes/Peak Hill:

Mitch Leckie
M: 0422 213 443

Finance

All Branches:

Ryan Thornberry
M: 0408 742 521

AgriWest Parkes

20-22 Clarinda Street, Parkes NSW 2870
T (02) 6862 1066 **F** (02) 6862 1583
E parkes@agriwestrural.com.au

AgriWest Forbes

6-8 Camp Street, Forbes NSW 2871
T (02) 6851 4200 **F** (02) 6851 4338
E forbes@agriwestrural.com.au

AgriWest Peak Hill

110 Caswell Street, Peak Hill NSW 2869
T (02) 6869 1449 **F** (02) 6869 1592
E peakhill@agriwestrural.com.au