

Newsletter

EDITION 48, APRIL 2016



Every Worm Test Kit purchase will go into the draw to win a **WORKHERO WET & DRY VACUUM**

Prize Drawn: 30th May 2016



WORM TESTING
FREE ON FARM
COLLECTION
OF SAMPLES

IT'S BEST TO TEST...

That's where we come in. If you are unsure of when you should be testing your stock for worms or how to check if a drench has done the job, then speak to one of our Animal Production Specialists today and we'll take the guess work out of your drench program.

If you've missed the window for testing and must drench then these are a few questions that your local AgriWest Animal Production Specialist may ask you to help find the most appropriate drench:

- **Ewes or lambs?** Lambs are more susceptible to worm burden and certain types of worms (e.g. Tapeworm).
- **Pre-lamb or weaning drench?** A good pre-lamb drench is Eweguard and pre-weaning is Weanerguard. These products also contain 6in1 vaccine and are available with B12 which is critical at these times. If using these products it is important to rotate drench groups when the time comes.
- **What were they drenched with last and when?** To help with rotation options.
- **Are they showing signs of worms?** Bottle-jaw, anaemia, fatigue, scouring or even death? Some different symptoms can indicate different worms (but shouldn't be relied on entirely to predict which worms are present).
- **Is there a clean paddock available?** If so you may only need a knockdown drench and not a long acting drench. A clean paddock requires at least three months rest – sometimes longer.
- **How many do you need to drench?** This helps with pack size. Keep in mind that cost per dose gets cheaper as volume increases.



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AgriWest

A RURALCO BUSINESS



DON'T LOSE YIELD TO TRANSPORT STRESS!

How livestock are managed in the pre-transport and slaughter period has a significant impact on the net return obtained from these animals. Thus, understanding how to maximise saleable yields is vital.

High levels of stress are experienced by livestock at times of transport, selling and slaughter. This stress has a huge potential economic impact, with up to 10% liveweight loss not being uncommon. Correctly preparing your stock prior to these events can limit these losses.

Generade Premium, formulated and manufactured by Animal Innovations, is a concentrated, palatable vitamin and mineral liquid supplement designed to deliver critical micro and macro nutrients to livestock experiencing transition stress.

How will Generade Premium benefit your system?*

TRADERS:

Lambs need to hit the ground running straight away after purchase to be viable and profitable.

- Most trade lambs, after the stress of being yarded and transported, will lose up to 4kg liveweight in the first week.
- Preventing that loss gives weight gain from the start with no setback and lost time.

Lets look at the numbers:

Prevent 4kg loss @ \$4.50/kg =	\$18 gain/hd
Cost of Treatment =	\$1.04/hd
ROI =	\$16.96/hd

LONG DISTANCE TRANSPORT:

Lambs transported long distances to slaughter (>200kms) exhibit most benefit from Generade Premium.

- Reduction in carcass shrinkage – generally by 3-4%.
- Less dark cutting due to decreased stress = higher MSA grading.

Lets look at the numbers:

25kg carcass weight where 4% =	1kg carcass weight
\$4.50per/kg – \$1.04 Generade Treatment =	\$3.46/hd
ROI =	332%

Utilising the stress management technology found in Generade Premium ensures the depletion of critical nutrients are kept to a minimum. Animals stay calmer, reducing stress response, and boosting your returns at the abattoir or sale. Don't waste any more yield, come in and speak to an Animal Production Specialist about Generade today.

*Figures based on lambs. This information is general only and does not take into account your individual circumstances



INTELLI-MAP IMPROVES SOIL HEALTH

You will often hear people talk about 'soil health', but what does that actually mean? Can we measure it? More importantly, can we improve it economically?

It is said that the 'soil is the stomach of the plant'. In this light soil health is comparable to digestive health in animals. This means the physical, chemical and biological components are all working well. The biological or microbial aspect of soil health is often overlooked, however it plays a critical role in the way plants can take up nutrients and moisture. The microbes dictate the efficiency of the system by improving nutrient cycling, disease suppression and the production of compounds beneficial to plant growth. We all know what it feels like to have an upset stomach. It is the same with the soil. Thus, choosing fertiliser inputs that have a positive impact on soil life is important. We can get better efficiency out of our fertilisers if they are 'microbe friendly'.

To measure microbial 'health', we can measure key indicator species that give us a good indication as to how well the soil microbial system is functioning. One such organism is called 'actinomycetes'. Actinomycetes is responsible for that sweet healthy odour of moist healthy soil when it is tilled or dug up. These organisms are major players in soil fertility. They are responsible in particular for nitrogen mineralisation and disease suppression around roots. Kill off Actinomycetes and you suppress the amount of nitrogen your soil can manufacture and the ability of the root system to fend off diseases.

For this reason, AgriWest recently had our Intelli-MAP (coated MAP) compared to normal MAP by Microbial Laboratories Australia in a grow chamber controlled experiment. As can be seen in the below graphed results, MAP actually inhibited Actinomycetes whereas Intelli-MAP increased their numbers significantly. Results indicated that there was an average 86% increase in beneficial Actinomycete numbers when Intelli-MAP was utilised compared to MAP.

To find out how your crop could benefit from Intelli-MAP, speak to an AgriWest Agronomist today.



Analysis	%
Nitrogen	9.9
Phosphorus	21.78
Sulfur	1.485
Zinc	0.14
Copper	0.021
Boron	0.055
Molybdenum	0.003
Chelation agent	4lts/T
C-90 SAR Compound	1.5ppm

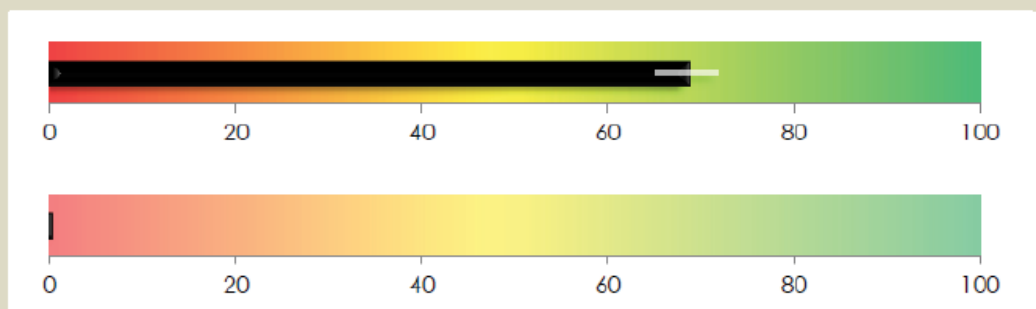
Physical Properties
Uniform Granule
Free flowing for auguring
99% dust free

Soil Microbiology

Actinomycetes

IntelliMAP
50 kg/ha @ sowing

MAP
50 kg/ha @ sowing



INCREASING YOUR SUCCESS WITH GLYPHOSATE

Since the detection of the first glyphosate resistant weed in Australia in 1996, the number of incidences of resistance has increased, particularly in populations of annual ryegrass. Strategies to manage resistance are continuing to evolve, some involve use of non-chemical control, whilst others involve use of other herbicide groups.

Something less considered when thinking of reducing the incidences of glyphosate failure is the role of surfactants. If a glyphosate formulation contains insufficient or "less efficient" surfactants it may limit the speed and quantity of glyphosate that enters the plant, reducing the effective dose to a sub-lethal level. Recurrent selection with herbicides at sub-lethal rates, including glyphosate, can lead to rapid evolution of resistance.

A key message from current research is to not underestimate the role and importance of surfactants in glyphosate formulations. Therefore, it is important to consider both application rate and choice of herbicide formulation as part of an overall strategy in delaying the onset of resistance of weeds to glyphosate. This will assist in overcoming emerging low level resistance that may already be present in a weed population.

It is well documented that glyphosate active alone is poor at penetrating through leaf surfaces. As a result of this, glyphosate formulations are manufactured containing surfactants. Surfactants facilitate the movement of glyphosate across the plant cuticle in addition to reducing the surface tension of spray droplets. Surfactants represent a significant cost in the manufacturing of glyphosate formulations. Manufacturers can lower their cost of inputs by either using lower concentrations of and/or less efficient surfactants. The type and quantity of surfactants used in commercial glyphosate formulations are not provided as part of the product description, making it difficult to differentiate between herbicide brands.



Market leading brands such as Roundup ULTRA® MAX and Roundup CT® meet and exceed industry standards for surfactant packages, giving you a guaranteed quality and a performance you can trust.

For more information on reputable glyphosate formulations, consult your local AgriWest Agronomist.

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!



Find us on
Facebook

facebook.com/agriwestrural

Contact an AgriWest specialist today for more information.

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