



Lincoln Rural
'Your link to the land'



April 2024

NITROGEN TESTING

To determine what rate of nitrogen to apply to your crop, you must first understand the crop requirements and the amount of nitrogen present in the soil. The nitrogen demand of a crop depends on the target yield and grain protein percentage.

$$\text{Fertiliser N application} = \text{N demand of the crop} - \text{N supply in the soil.}$$

Estimating the amount of available soil nitrogen can be done by soil testing. After dry conditions, long fallow, pulse crop or pasture, a soil test is the most reliable method of determining available nitrogen. However, soil tests conducted prior to sowing will not account for late fallow mineralisation and in-crop mineralisation. The plant's access to nitrogen at depth depends on many variables including seasonal rainfall distribution, soil type and location.

To get a good nitrogen snapshot, we should aim to take an in-season deep nitrogen core sample to the approximate rooting depth to get a representative sample of the soil nitrogen profile. Segmenting core samples into 0-30cm and 30cm-rooting depth would be encouraged (if budget allows). Try to sample at the same time each year (usually around mid-late July) for comparison, as nitrogen levels can be highly variable throughout the year. Aim to sample at least a week prior to growth stage 31 to allow for transport of sample and lab analysis.



The results from deep nitrogen testing can help create an in-season fertiliser nitrogen budget depending on target yield and grain protein percentage. By ensuring nitrogen is applied to the crop in-season, this reduces the reliance on nitrogen mining from the soil for crop production, reducing the degradation of the organic nitrogen pool and soil organic carbon which is used by soil microbes.

Nitrogen use efficiency can be improved by delaying fertiliser application until the crop's roots system is adequately developed. Later Nitrogen applications during stem elongation can also have yield benefits through increased tiller survival, leaf duration and photosynthetic area.

MENTALLY FIT EP PODCAST

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Lincoln Rural are very honoured to be the main sponsor this season. Available on Spotify.



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"Anyone who has never made a mistake has never tried anything new" - Albert Einstein

AUTUMN LAWN CARE

As we slip out of dry summer and into the cooler months your lawn may not be high on your gardening priority list but there is always something to be done to care for and maintain your lawn ready for its summer showcase no matter what the current season.



Here at the Cummins store we have the year-round good fortune of utilising the energy and the expertise of a man who knows his lawn. Warren Dickie has been the attentive caretaker of the Cummins store lawn (Santa Anna Couch) since 1997 and what Warren doesn't know about his lawn isn't worth knowing.

If, unlike Warren, you don't have the experience and expertise of years of lawn care or need a little support and know-how, then Lincoln Rural has a range of products to start, nourish, or finish your lawn. Lincoln Rural stores carry Lawnporn's full range of products, and the brand provides comprehensive seasonal, easy to follow lawn-care regime to set you up for year-round healthy, thriving lawn not to mention year-round admiring looks and compliments from your friends and neighbors!

The first step in the Autumn care program is Moist, a professional grade soil wetter recommended to maximise water usage and availability to the plant roots zone allowing the uniform movement that is essential to improving air to water ratios, drainage capacity, nutrient uptake and movement of soil applied pesticides. This is followed by History, a systemic pesticide for pest control, Hero for growth promotion, and Four Seasons, fertiliser designed to provide rapid and prolonged plant growth and greening effect.

Whether you need an intensive turf revitalization or have a specific lawn challenge you want to meet the Lawnporn range has what you need.



And, if you happen to be driving through Cummins and see this man on our front lawn, be sure to toot and wave...and have a good look at that lawn!

Warren's Top Tips for Lawn Care:

- Fertilise September, December, March. Proper fertilization can reduce watering times by as much as 25-30%. The plant is healthier and therefore requires less water.
- Water twice weekly (weather dependent, of course) for 15—30 minutes per session. The roots of the grass are only 50 – 70mm below the surface so excessive watering penetrates below the root zone, and is lost and wasteful.
- Mow once a fortnight.



WEARING BOOTS ON THE FARM

Wearing the right work boots on the farm is essential for ensuring comfort, safety, and productivity. Farms can present a variety of challenges, from uneven terrain and heavy machinery operation to exposure to the elements. Here are some key considerations for selecting and wearing work boots on the farm:



1. **Safety First:** On the farm, safety is paramount. Look for work boots that meet or exceed safety standards. Features like steel toes protect against heavy objects, while slip-resistant soles prevent accidents in wet or muddy conditions.
2. **Durability for Demanding Tasks:** Farming involves a range of physically demanding tasks, such as lifting, walking through rough terrain, and operating heavy equipment. Choose work boots made from durable materials with reinforced stitching. A sturdy construction will ensure your boots hold up under the rigors of farm work.
3. **Comfort for Long Hours:** Farmers often spend long hours on their feet. Prioritize comfort when selecting work boots. Look for features like cushioned insoles, arch support, and a design that accommodates the natural movement of your feet. Comfortable boots can help reduce fatigue and improve overall well-being during extended workdays.
4. **Waterproof and Insulated Options:** Farms are exposed to various weather conditions, including rain, mud, and snow. Waterproof boots keep your feet dry in wet conditions, and insulated boots provide warmth during colder seasons. These features are particularly important for maintaining comfort and preventing weather-related health issues.
5. **Traction for Uneven Terrain:** Farm terrain can be uneven and slippery. Choose work boots with a tread pattern that provides excellent traction on various surfaces. This is especially important when navigating through fields, barns, or other areas where the ground may be unpredictable.
6. **Easy to Clean:** Farm work can get messy. Opt for work boots that are easy to clean and maintain. Boots made from materials that resist staining and are quick to wipe down can save you time and effort after a day of hard work.
7. **Proper Sizing and Fit:** Ill-fitting boots can lead to discomfort and even injuries. Ensure you choose the right size and pay attention to the fit. Consider the type of socks you'll be wearing and any potential swelling of your feet during long hours. Properly fitted boots provide the necessary support and prevent issues like blisters and chafing.
8. **Break Them In:** Before embarking on a full day's work, take the time to break in your new work boots. Wear them for short periods initially to allow the materials to mould to your feet. This can help prevent discomfort and ensure a proper fit when you need it most.

By prioritizing safety, durability, comfort, and suitability for the farm environment, you can make an informed decision when selecting and wearing work boots. Remember that investing in high-quality boots is an investment in your well-being and productivity on the farm.



PARDUS BA12

Pardus BA system provides a bolt action with only a straight pull movement of the bolt group. The right hand bolt handle is designed within easy reach for the user and the release point at the trigger to re-grip comfortably. After release, the return spring provides assisted closing of the action. The Pardus BA12 is also designed to accept a left side bolt handle for left hand users. This Model includes two barrels – 20" and 28"

PARDUS BA12 Black Walnut 71cm (28")

Retail:
\$595.00



 **PARDUS**

IMPORTANCE OF VACCINATING STOCK

It can not be stressed enough the importance of vaccinating stock, either commercial or the often overlooked domestic/hobby animals. The costs to the commercial/hobby farmer can be relatively substantial if stock become unwell due to a preventable disease. Vaccinations offer a cost effective, efficient way to prevent, or at least reduce the severity of potentially deadly diseases from harming your valued stock.

It is important to choose the correct vaccination for your situation, some diseases like Hendra, in the case of horses, for example are not applicable in the southern regions of Australia but Tetanus is an issue in all areas. Vaccine use should be a part of a whole herd or flock management program.

The **Equivac 2 in 1 vaccine** protects equines from Tetanus and Strangles, it is a prevention not a treatment. When starting a vaccination program with an adult horse with an unknown vaccination record it is best to start with a clean slate. Three initial doses, two weeks apart followed by an annual booster is the recommended program. In contradiction to the recommendations as per label, the Equine Infectious Diseases Advisory Board (EIDAB), has decided that an annual vaccination would give better protection as is the case in other countries. If a horse is vaccinated at greater intervals then it would be wise to administer an Equivac TAT dose, an antitoxin, in the event of an injury occurring at the earliest possible time.

The Equivac TAT is for short term treatment and is not a vaccine. It is used in the event of a skin laceration or puncture wound which are the worst case scenarios for a possible tetanus case. Time is very much of the essence hence the importance of a yearly tetanus vaccination.

Tetanus is a world wide potentially fatal disease affecting a very wide range of species. It is characterised by muscle spasms, hence the name Lockjaw, caused by a neurotoxin produced by the bacterium *Clostridium tetani*. Interestingly people who work with horses are at a greater risk of tetanus if not vaccinated. The symptoms and way of contracting the disease is the same in all affected species worldwide.

Strangles is also potentially fatal, a disease affecting the lymph glands which become abscesses in the event of contracting this disease. Swallowing and breathing become very difficult hence the name Strangles. It is very contagious which is where the importance of vaccination enters.

Sheep, guinea pigs, monkeys, mice and goats are susceptible to Tetanus also. Cats and dogs less so and birds are resistant. Sheep and goats can contract tetanus through soil contamination of the umbilical cord in newborns, dog bites, surgical intervention like tail docking and castration and there has been a reported case associated with ear tagging. Vaccinating with **Glanvac** and **Cydetin Eweguard** or **Weanerguard** provides sheep and goats with protection from tetanus amongst other diseases. The **Eweguard** and **Weanerguard** are also dewormers. The vaccine **Scabigard** will give your flock protection from Scabby mouth and Gudair provides vaccination against Ovine John's disease.

In conclusion the costs of vaccination are cheaper than the potential economic losses if your stock were to contract these preventable diseases. Not all vaccinations are applicable to all areas so local knowledge/vet advice, is very helpful in choosing the right vaccination for your situation.

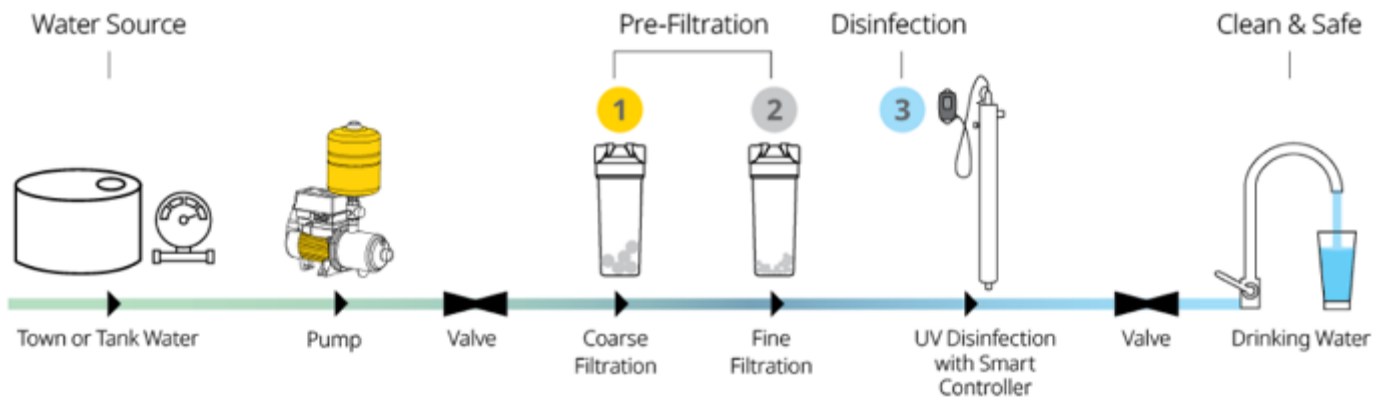


WATER FILTRATION

Water is an absolute necessity of life. It makes about 60% of your body and is involved in many essential body functions ranging from regulating body temperature to flushing out toxins and protecting body tissues, joints as well as the spinal cord. Water also plays a critical role in carrying out many of the body's chemical reactions. We strive to help you better understand the importance of water filtration so that you're drinking the best quality of your water to keep you healthy.

Boiling water used to be sufficient enough to kill many germs and bacteria, making it safe to consume. However, things have since changed as boiling water, even for more than 20 minutes will not get rid of new age contaminants such as pesticides and other dangerous chemicals that find their way into our water sources. That's why it's crucial to understand the importance of water filtration, and purification options to keep your families drinking water safe. Water filters remove bacteria and harmful chemicals which can cause diseases and poor health. Here are some of the reasons to filter your water:

1. Filtering water can result in not only better tasting, but also better smelling water by removing chemicals, pesticides, chlorine, bacterial contaminants and heavy metals.
2. Point-of-use water treatment filters remove a wide range of contaminants from drinking water including chlorine, chemicals, and up to 240 other volatile organic compounds.
3. Research has established that water filters reduce the risk of certain cancers including colon cancer, rectal cancer, and bladder cancer by ridding water of chlorine and chlorine by-products.
4. Carbon water filters are designed to selectively remove toxic contaminants from drinking water and still retain healthy mineral deposits that help to balance the pH of drinking water.
5. By removing giardia, e-coli and cryptosporidium, water purification systems like reverse osmosis technology have been shown to reduce the risk of gastrointestinal disease by more than 80%.
6. Filtered water is vital for children as it provides, clean, healthy water that's essential for their immune systems.
7. Water filters act as the last line of defence against over 2,100 known toxins that may enter the body through drinking water.
8. Drinking clean, filtered water leads to general overall wellbeing and also helps to prevent disease.
9. Under Sink Water Filters: These filters are installed under the sink and provide filtered water through a separate tap. They are ideal for homeowners who want a permanent filtration system and have limited counter space.
10. Rain Water Filter Kits: These filters are designed to capture rainwater and filter it for use in the home. They are ideal for homeowners who want to reduce their reliance on municipal water and save money on their water bills.



Clean water is essential, and Lincoln Rural has the expertise and products to ensure your water is pure and safe.

From household filtration systems to agricultural and industrial solutions, we have what you need to keep your water clean and healthy.

Visit us today and discover our range of water filtration options!

