

Why Medicate Using Water?

- Cheaper than other forms of supplementing stock
- Proven better stock body condition, greater weight gain, higher pregnancy and weaner rates
- Protein, phosphorus, electrolytes, trace minerals, anti-bloat oil, seaweed extracts etc can be dosed
- Eliminates the incidence of 'greedy' feeding

Why a NORPRIM?

- Convenient and easy to manage
- Safety features deliver accurate dosing
- Quality components, service and industry knowledge



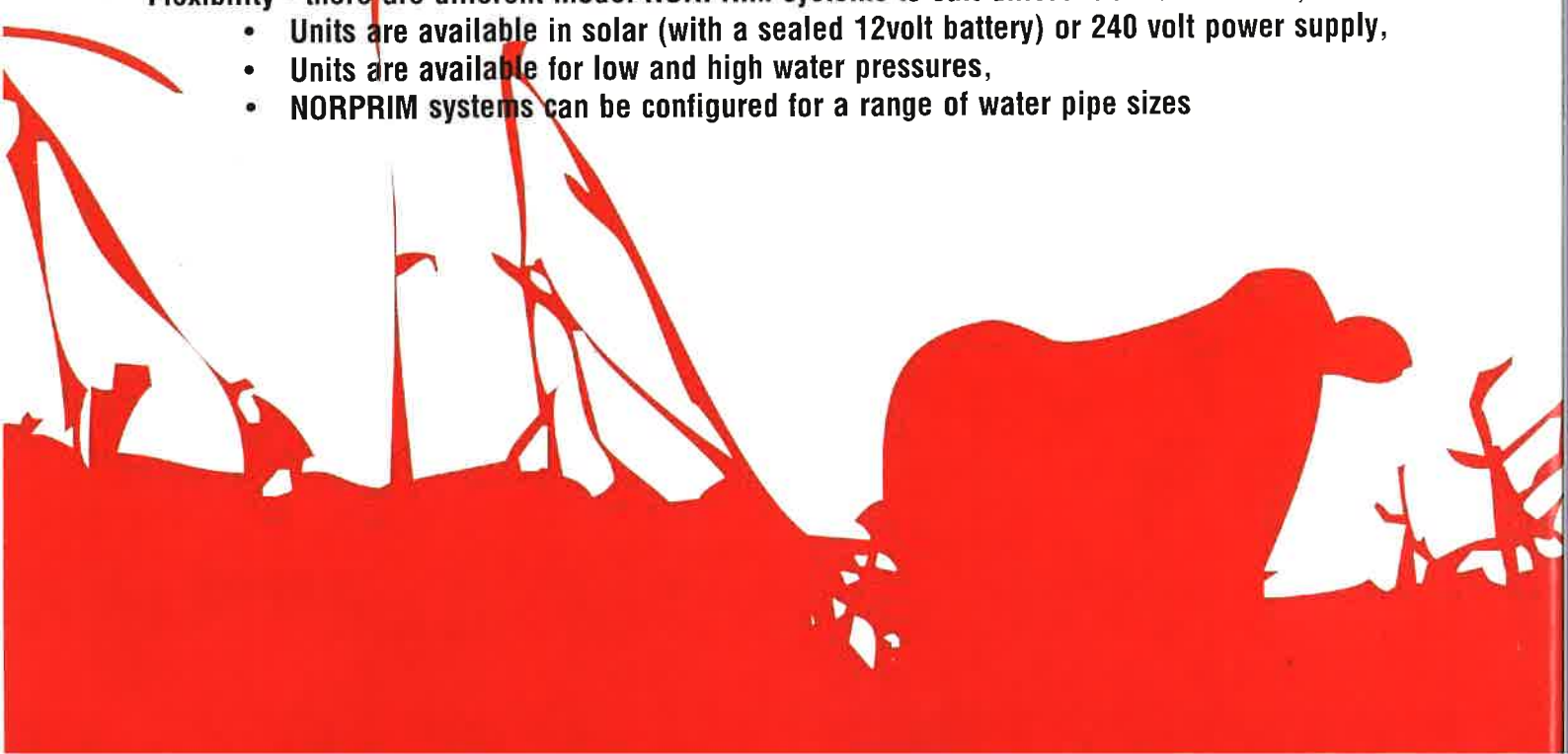
NORPRIM
Nutrient Dispensing Systems

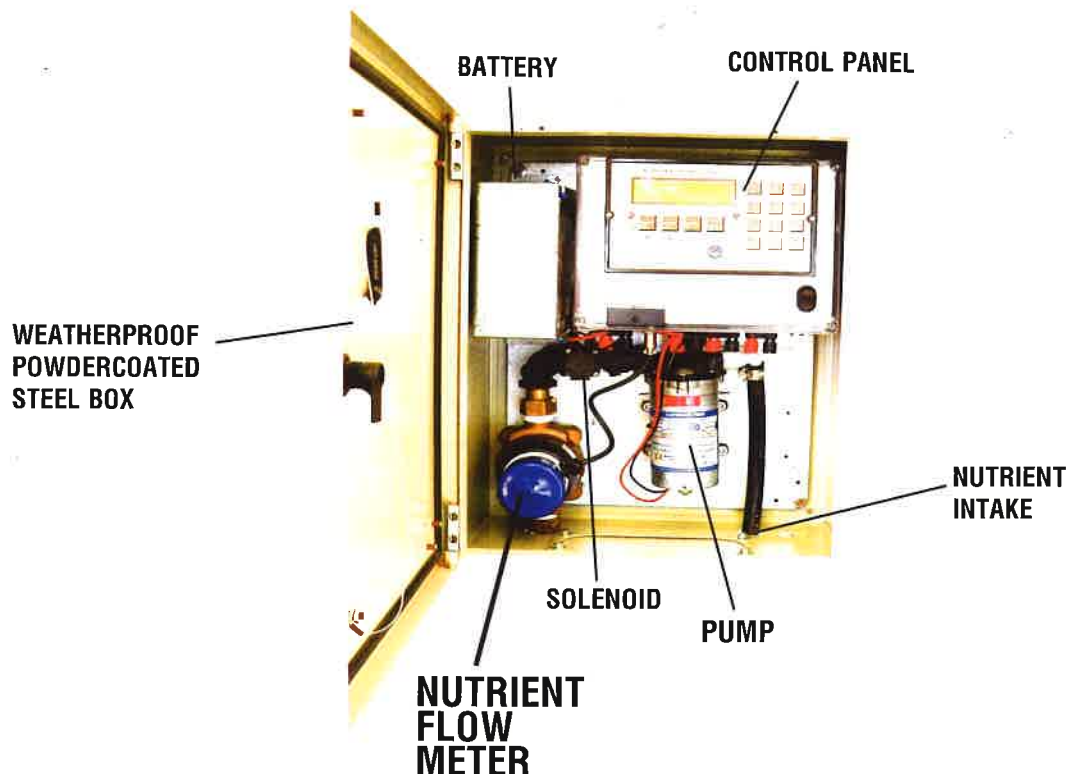
BENEFITS OF MEDICATING LIVESTOCK THROUGH WATER

- A wide range of products can be dosed to livestock through water – Protein, Phosphorus, Electrolytes, Trace Minerals, Anti-bloat oil, Seaweed extracts, organic soluble supplements
- Dosing through water is cheaper because you don't have to pay for a 'carrier' such as salt or molasses used in blocks or dry loose lick
 - 300 head of cattle on a saving of \$0.05 per head per day will pay for a NORPRIM inside one year
- Save fuel and time costs by using water to deliver your nutrients to stock
- Feeding nutrients through water reduces the incidence of 'greedy' feeding stock
 - It is estimated that 10% of stock over-consume available feeds supplied in the paddock,
 - 80% consume the correct amount while 10% get nothing at all

KEY FEATURES OF THE NORPRIM

- Simple operation - the NORPRIM nutrient dispenser measures water flow in the line and injects nutrients out of a separate nutrient holding tank into that main water line at a rate determined by the user,
- Accuracy in Dosing - a second flow meter monitors the output of the nutrient through the NORPRIM. Nutrient flow is measured to the millilitre providing increased accuracy
- Safety - the user is able to set tolerances on the injection levels so that overdoses don't occur. If a tolerance level is exceeded then the injection system shuts down
- Alarms - are triggered and the injection system shuts down when user set tolerances are exceeded
- Warnings - are triggered if, for example, the nutrient tank is getting low. Warnings are like alarms but they do not impede the operation of the system
- Unit performance feedback - Data is displayed on the water tank level, nutrient tank level, water flow rates, battery voltage
- Telemetry capable – Third part telemetry systems can easily be connected to the NORPRIM
- Flexibility - there are different model NORPRIM systems to suit different circumstances,
 - Units are available in solar (with a sealed 12volt battery) or 240 volt power supply,
 - Units are available for low and high water pressures,
 - NORPRIM systems can be configured for a range of water pipe sizes





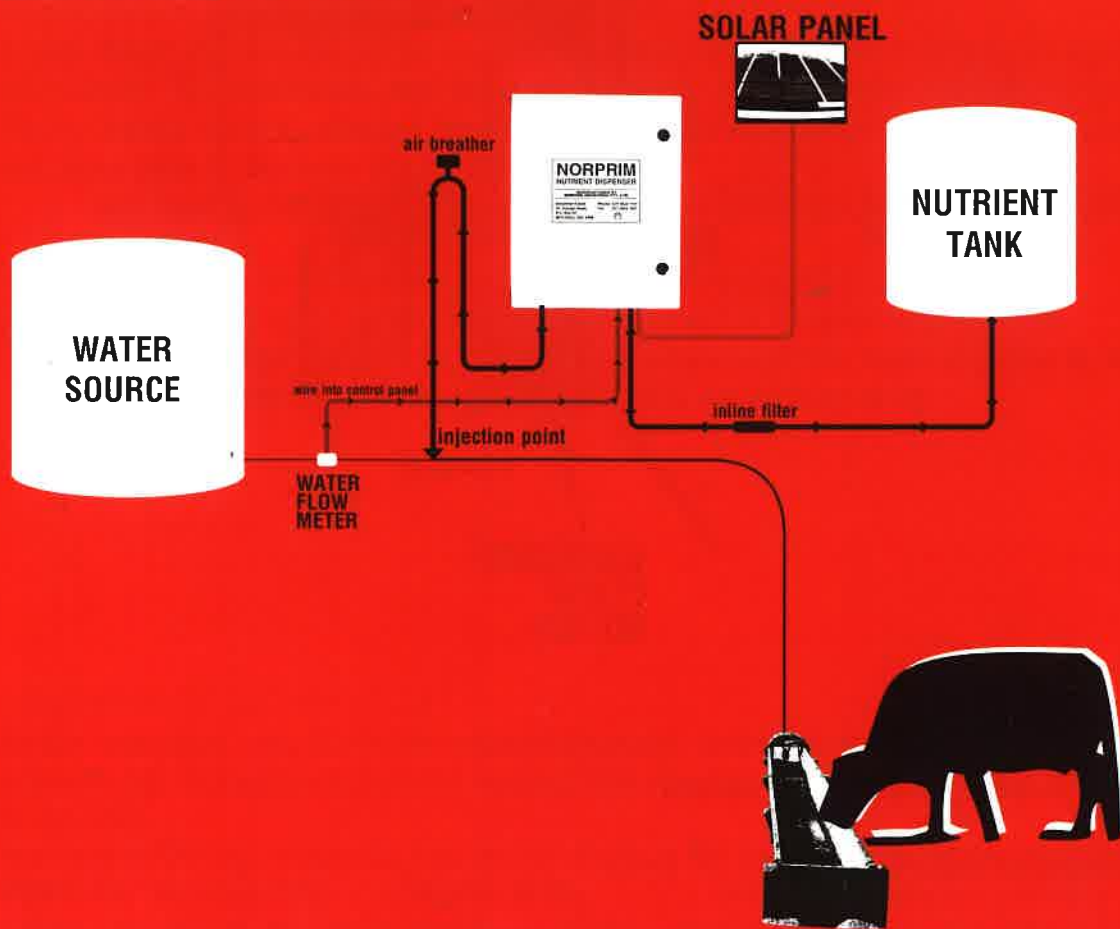
WATER MEDICATION FACTS

SOURCE: MLA "Water Medication – A guide for beef producers"

Visit www.norprim.com.au for detailed trial results

- In central Australia, lactating cows provided with nitrogen, phosphorus and sulphur supplement through a water medicator;
 - Were in better body condition;
 - Were 40kg heavier than those receiving no supplement;
 - Had higher pregnancy rates (53% vs 42%);
 - Had higher total weaner weight.
- Economic analysis suggested a benefit/cost ratio of 9:1. There was a nine dollar return for every one dollar spent.
- On the Mitchell grass plains of the Barkly Tablelands, weaners on water medication gained 0.3kg more per day in the early dry season and an extra 0.1kg per day over the whole dry season than those without supplement.
- In the 'desert' country of central Queensland, breeders on medicated water had pregnancy rates some 15% higher than those on dry licks.

NORPRIM MUD MAP



MORE INFORMATION?

Contact NORPRIM for more assistance in creating a nutrient dispensing system, just for you.

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