

## Think Livestock

ABN: 38 100 090 793  
575 Midland Hwy, Huntly Vic 3551  
Phone: 03 5448 8942  
Fax: 03 5448 8943  
Email: [info@thinklivestock.com](mailto:info@thinklivestock.com)  
Web: [www.thinklivestock.com](http://www.thinklivestock.com)



### How to calculate stock solutions for the Gator

Your chemical (or mineral) needs to be added at a rate of 2.5 mls per animal per day. Add 2.5 mls x 100 = 250 mls then top up with water to 30 litres in the chemical container

### Here's the simplest way to work things out

- 1) To work out how much your cattle will drink in a day, set up your Gator into the water line, then fill a container of known volume with water, and then put the Gator suction hose into the container, and set in going.
- 2) At the end of the day, measure (or weigh) how much water has been pumped out of the container. You now know how much chemical mixture your Gator is going to pump in a day. Lets say this came to 30 litres pumped in the day
- 3) You have 100 cattle and they need 2.5 mls of minerals each, so add 2.5 mls x 100 = 250 mls of minerals, then fill with water to 30 litres in your chemical bucket.

### Another way to get the answer:

- 1) On average, all animals will drink approximately 10% of their body weight per day. This figure will be higher in Summer and lower in Winter, but it averages 10%
- 2) Let's assume that the average weight of your 100 head of cattle is 300 kg. This means, on average, they will drink 30 kg (= 30 Litres) of water each per day
- 3) Total water consumed by the whole group of cattle that you want to treat is therefore 30 Litres x 100 = 3,000 litres
- 4) We know that the Gator is a set rate 1% pump. Therefore if it has 3,000 litres of water going through it in a day, it means 30 litres will be pumped from the container in a day. Therefore your stock solution needs to be 30 litres.
- 5) Your chemical (or mineral) needs to be added at a rate of 2.5 mls per animal per day. Add 2.5 mls x 100 = 250 mls then top up with water to 30 litres in the chemical container.

