

FEEDLOT WEATHER STATIONS

Envirodata has designed and built weather stations to meet the needs of Lot Feeders for over 25 years.

Our current generation of feedlot weather stations are tougher, more accurate, more reliable, and better at surviving Feedlot conditions than any other weather station on the market.

Features

- Sturdy, reliable and durable
- Easy to install, easy to use
- HLI and AHLU built in
- Multiple AHLU readings
- Accurate sensors not prone to drift
- Industrial and Commercial grade
- Designed specifically for weather recording
- Australian Designed, Owned and Made
- Local support and backup, we are the manufacturer
- Installation and servicing on site available
- Current readings, 10 minute, hourly and daily weather data
- Over 12 months data storage typical
- Upgrades from older systems a specialty

Heat Stress Weather Stations

- Full size 6" Copper Globe for Black Globe Temperature
- 3 Cup Anemometer with stainless bearings
- Relative humidity sensor with field replaceable tip

Envirodata's weather stations can calculate HLI and AHLU. Each system uses the heat stress algorithms exactly as published by Katestone Environmental and the MLA.



*Feedlot Weather Station
Weather Maestro installed 2025*



*Feedlot Weather Maestro with Cellular connection to
WeatherMation LIVE, installed 2024*

We set the AHLU to use the upper limits for heat accumulation you have for your feedlot.

Multiple AHLU values are now standard in the Weather Maestro Weather Station.

More than Heat Stress

Envirodata's feedlot weather stations are exceptional at monitoring your feedlot for heat stress. However your feedlot may have additional weather monitoring requirements.

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Dust or Odour Drift

If you have an environmental licence to monitor dust or odour drift, then our wind direction sensor and air movement firmware are a worthwhile upgrade. You might even need to use our 10 metre mast to mount the wind sensors to meet Australian Standards.

Rainfall

Of course, Rainfall is required as part of your feedlot accreditation, so why not add a tipping bucket rain gauge to your weather station to automate your rainfall data collection?

Whatever your additional weather monitoring needs, perhaps needing soil moisture or ETo for your nearby cropping operation, we will be happy to help build a solution to meet them.

Connectivity Options

- Cellular VPN Modems
- Direct cable
- UHF Links
- Satellite Modems

Whatever your requirements, we can provide a method for getting your data in front of the staff you need to see it, when they need it.

Integration Options

Katestone / KITE / MISTEO

We have worked with Katestone / KITE / MISTEO many times to achieve automatic data transfer from our feedlot weather stations into their databases as part of their heat load forecast services.

This enables your feedlot to have forecasts and nutrition advice tailored to your site specific weather conditions.

WeatherMation LIVE

Envirodata's WeatherMation LIVE service takes all the headache out of managing your data collection, storage and distribution.

- Envirodata manages data collection, storage and distribution for you
- Hosted on Envirodata's secure servers
- One or many Weather Stations
- One or many users with secure login access from any web browser
- Live and historical weather data
- Optional SMS and E-mail alerts
- Mobile device display

Talk to us about how this service may make your data collection and management easier than ever.

Recommended System Options

Weather Maestro

The Weather Maestro system is the most robust solution and the one all of our feedlot customers use, at over 60 sites around Australia.

