



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:

- Robust, Reliable & durable
- Easy to install, easy to use
- HLI & AHLU built in
- Accurate sensors not prone to drift
- Industrial & 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 speciality*

Heat Stress Weather Stations

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

Envirodata's Weathermate, WeatherMaster 3000 and Weather Maestro weather stations can all calculate HLI and AHLU. Each system uses the heat stress algorithms exactly as published by Katestone Environmental.

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



12 year old station upgraded to Weather Maestro in 2013



Weather Maestro with UHF link installed 2010

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More than Heat Stress

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

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 a cropping operation, we will be happy to help build a solution to meet them.

Connectivity Options

- Direct cable
- UHF Links
- Next G Modems
- Satellite Modems

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

Integration Options

Katestone

We have worked with Katestone many times to achieve data connection from our feedlot weather stations into their databases. This enables your feedlot to have forecasts and nutrition advice tailored to your site specific weather conditions.

WeatherMation LIVE

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

- Environdata manages data collection, storage and distribution for you
- Hosted on Environdata's secure servers
- One or many Weather Stations
- One or many users with secure login access from any web browser
- Live & 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.

System Options

1) Basic System: WeatherMate

The basic WeatherMate Feedlot weather station includes wind speed relative humidity and black globe temperature sensors. Also includes the mounting hardware, solar power, weatherproof housing, pre-wiring, programming, HLI and AHLU.

Most suited to a direct cable connection to a nearby office, this system provides an entry level high quality robust system.

2) Full System: Weather Maestro

The Weather maestro system includes a bigger data logger for more sensors, and the ability to incorporate Next G, UHF or Satellite telemetry.

Most suited when expansion is important and remote communications is required.

3) Compact System: WeatherMaster 3000F

The WeatherMaster feedlot station (WM30F) provides a simple and compact method of feedlot weather monitoring.