

# Weather station and rain gauge comparison

Company / technology	Installation		Power			Connectivity				Communication			Ability to measure						Add on devices	Cost (ex GST)	Ongoing subscription costs (ex GST)	Considerations
	Provider	Producer	Solar	Battery	Mains	3G or 4G	Satellite	LoRaWAN	Cat-M1	Text	Email	Online	Rainfall moisture	Ambient temp	Humidity	Delta T	Fire danger risk	Frost detection				
<b>AKA Primary Solutions</b> Weather base station	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✓	✓	✓	✓		✓	✗	✓	\$4,475 including base station cost	System operating fee \$660 per year	ITU G2 base station, solar powered - \$2,850 Some set ups may require a long-range remote if not directly connected to the base station. Long-range remote costs \$825.
<b>Alpha Group Consulting</b> Wildeye weather station	✓	✓	✓	✓	✗	✓	✗	✗	✓	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗ *Can be added	\$4,220	\$220 per year	This cost does not include installation.
<b>Farmbot</b> Rain gauge	✓	✓	✓	✓	✗	✓	✓	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗	✗	✗	\$229 for hardware	\$1 per week or \$52 per year	Ability to record keep and export data to CSV or other formats. Easy installation.
<b>Goanna Ag</b> GoWeather station	✓	✓	✓	✓	✗	✓	✗	✗	✓	✗	✗	✓	✓	✓	✓	✓	✓	✗	✓	\$3,500	\$216 per year (after first year)	Installation cost \$300 ex GST. Price may vary due to location.

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<b>Integrated Irrigation</b> BushLinx weather station	✓	✓	✓	✓	✗	✓	✗	✗	✓	✗	✗	✓	✓	✓	✓	✓	✓	✗	✓	\$5,225	\$350 per year (after first year)	Cost includes complete weather station set-up, installation/delivery, and graphical setup and first year of service fee. Fully integrated site forecast included (Optional). Service fees includes SIM card, software subs, support whenever needed including on site if required. Fully integrated forecast fee after 12 months \$100 ex GST per year (Optional).
<b>OneTemp</b> HOBO weather station	✓	✓	✓	✗	✗	✓	✗	✗	✓	✗	✗	✓	✓	✓	✓	✗	✗	✗	✓	\$5,980	Subscription to HOBOLink: 30min logging/6hr upload - \$138 OR 1min logging/10min upload - \$418 12-month Telstra network 4G Cat M1 SIM - \$150	This cost includes a temp/RH, solar radiation, barometric pressure, wind speed/direction and rainfall sensors, 12-month SIM and 30min logging/6hr upload. Other sensor options: photosynthetic light - \$567 Different options available for sensor mounting accessories and tripod options.

## Comparison table explanation notes

### Installation

- Provider – installation is supported by the technology supplier.
- Producer – installation is conducted by the producer.

### Power

- Solar – power is supplied through a solar panel and battery.
- Mains – power can be supplied through mains electricity.
- Battery – power is supplied through a battery which the voltage can be monitored and replaced when needed.

### Connectivity

- 3G or 4G – the device needs to be situated where 3G or 4G reception can be connected.
- Satellite – the device communicates through satellite connection.
- LoRaWAN – the device communicates through a Long-Range Wide Area Network connection.
- Cat-M1 – low power wide area (LPWAN) technology which transfers low to medium amounts of data.

### Communication

- Text – the device sends text message updates, usually daily to your mobile phone.
- Email – the device sends updates, usually daily to your email address.
- Online – data can be accessed online 24/7.