

Ag-tech device comparison chart

Use this table to compare which ag-tech is best for your needs. Make sure it meets the **FAIR** data principles: **F**indable, **A**ccessible, **I**nteroperable, **R**euseable.

Considerations	Notes			
	Provider 1	Provider 2	Provider 3	Provider 4
Installation <ul style="list-style-type: none"> Will you install the device yourself or will the provider install (and charge) for installation? Will the device need protection such as fencing to ensure animals are not going to rub or chew on supports or cables? 				
Sensors <p><i>Sensors are located inside the device, the quality and accuracy of the sensor will have an impact on cost.</i></p> <ul style="list-style-type: none"> What level of accuracy is required? Make sure you compare 'apples with apples' 				
Devices <p><i>The device is the hardware around the sensors which powers the sensors and determines the frequency data is transmitted.</i></p> <ul style="list-style-type: none"> Does the device have batteries? If so, how often will they need changing? Can the reading frequency be changed to prolong battery life? What sort of warranty does the manufacturer provide? 				
Connectivity <p><i>Manufacturers provide different methods for connectivity.</i></p> <ul style="list-style-type: none"> Are multiple connectivity options available? If so, compare the cost between cellular, LORAWAN, Bluetooth or satellite. 				
Data ingestion <ul style="list-style-type: none"> Where data is going? Is the data being manipulated as it comes through (e.g from a GPS coordinate to a dot on a visual map)? 				
Data storage <ul style="list-style-type: none"> Where is your data being stored? Is there a fee? Who has access to it? Will they be using it to develop their own revenue streams? Do you have access to the data to derive your own benefits? Is there an API? How is data exported? 				
Internal consumption <p><i>Internal or on-farm consumption is how you read the information, this might be through your computer or via a phone app.</i></p> <ul style="list-style-type: none"> Do these programs/apps have an annual subscription fee? 				
External consumption <ul style="list-style-type: none"> Does the data you're collecting have any value to external parties? Is there an opportunity to utilise this data for commercial gain? Is it tradeable or be beneficial if collaborated with others (e.g. benchmarking)? 				

More information

For more information visit MLA's digital agriculture hub: mla.com.au/digital-agriculture
Comparison chart developed by Coolindown Farms and Axistech.