Device Comparison Chart

All farm data should apply the FAIR data principles
Findable, Accessible, Interoperable, Reuseable

Pillar	Provider 1	Provider 2	Provider 3	Provider 4
Installation				

Consider if you will be installing the device yourself or if the provider is going to install and is there a fee for installation
Will the device need protection such as fencing to ensure animals are not going to rub or chew on supports or cables, if applicable

| **Sensors** | | | | |

Sensors are located inside the device, the quality and accuracy of the sensor will have an impact on cost.
Consider the level of accuracy required and make sure you are comparing apples with apples

| **Devices** | | | | |

The device is the harware around the sensors that powers the sensors and determine the frequency that data is transmitted.
Does the device have batteries, 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** | | | | |

Manufacturers provide different methods for connectivity.
If multiple options are avaialble compare the cost betweeen cellular, LORAWAN, bluetooth or sattelite

| **Data Ingestion** | | | | |

The following 3 pillars are generally bundled together within an AgTech offering but its important to consider each stage.
Where data is going? Is the data being manipulated as it comes through? For example from a GPS coordinate to a dot on a visual map

| **Data Storage** | | | | |

Data has to be stored somewhere. 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** | | | | |

Internal or "On farm" Consumption is how you read the information, this might be through your computer or via a phone app.
Do these programs/apps have an annual subscription fee?

| **External Consumption** | | | | |

This final section has a very forward looking perspective. (Future Data Markets/Co-ops or Trading)
Does the data your 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? For example Benchmarking

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DATA & DEVICES