

Data for agricultural projects.

Meteorology: (for each climate region)

Data of the last 5 years (or longer period)

Parameter	Units	Remarks
- Temp	C / F	Air temperature
- RH	%	Relative Humidity
- Rain	mm	
- Wind speed	m/sec	
- Wind direction	Azimuth	
- Global radiation	Watt/m ²	

Data files of Auto Meteo-stations (preferred option), or other meteorological records.

Soil: (for each field)

Field – a plot which is cultivated as one unit (up to 10 ha).

Soil analysis:

Parameter	Units	Remarks
- Soil texture	%	Clay, Silt, Sand (Fine, Coarse, if available)
- SP	%	Saturation point
- pH	[-]	
- EC	dS/m	Electrical Conductivity
- Na	mg/l	
- Ca	mg/l	
- Mg	mg/l	
- SAR	[-]	Calculated Sodium Adsorption Ratio
- Nutrients (N, P, K, ...)	mg/Kg	

General details:

- Detailed map of fields for each region.
- History of crops for the last 5 years (longer period is better)
- Inputs applied in each field – irrigation water, fertilizers, OM (compost, manure...) pesticides, herbicides...

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Water: (for each Water Source)

Water source – well, river, reservoir, dam, canal, lake, recycled water pond, ...

Water analysis:

<u>Parameter</u>	<u>Units</u>	<u>Remarks</u>
- pH	[-]	
- EC	dS/m	Electrical Conductivity
- Na	mg/l	
- Ca	mg/l	
- Mg	mg/l	
- SAR	[-]	Calculated Sodium Adsorption Ratio
- Cl	mg/l	
- S	mg/l	
- N-NO ₃	mg/l	
- N-NH ₄	mg/l	
- P	mg/l	
- K	mg/l	
- B	mg/l	
- TSS	mg/l	
- BOD	mg/l	for Surface or Recycled water source
- COD	mg/l	for Surface or Recycled water source

General details:

- Type of water source.
- Capacity of water source.
- Means and systems for using water (pumping systems, filters, canals, piping systems, ...)

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