Fields:

c\_tstamp timestamp without time zone (Turkey)

c\_et0 numeric (mm, same value set for each data within a day)

c\_temp numeric, (celcius)

c\_solar\_irradiation numeric, (w/m2)

c\_solar\_heat\_flux\_density numeric,(always zero)

c\_wind numeric, (m/second at 2m)

c\_humid numeric,( percentage)

c\_rain numeric, (mm)

c\_irrig\_mm numeric, (mm, calculated value based on litre per hour for 1m2 area for a given time period. Considering every data point covers the time range starting from itself to the next point timestamp. As majority of the data is for 5 minute interval you will be seeing same value when irrigation is on )

c\_sensor\_1\_vwc numeric,( percentage volumetric water content)

c\_sensor\_2\_vwc numeric, ( percentage volumetric water content)

c\_sensor\_3\_vwc numeric, ( percentage volumetric water content)

c\_sensor\_4\_vwc numeric, ( percentage volumetric water content)

c\_sensor\_1\_soil\_temp numeric,(celcius)

c\_sensor\_2\_soil\_temp numeric, (celcius)

c\_sensor\_3\_soil\_temp numeric, (celcius)

c\_sensor\_4\_soil\_temp numeric,(celcius)

c\_gdd\_val numeric (below)

Gdd:

dd\_val= ((max(t1)+min(t2))/2 -10 per day

If dd\_val<0 then 0 else dd\_val

Accumulated over days within a year

Gdd value is set as same for each data point within a day as it is for et0

|  |  |
| --- | --- |
| General info DATA |  |
| Number of drippers | spacing between each dripper is 90 cm |
| Dripper flow (L/hour) | 3 |
| Rooting depth: | |
| Sensor\_1 | 20 cm |
| Sensor\_2 | 40 cm |
| Sensor\_3 | 60 cm |
| Sensor\_4 | 80 cm |