

# DATA DICTIONARY

COLUMN NAME	DATA TYPE	DESCRIPTION
TIMESTAMP	TIMESTAMP_NTZ(9)	DATE AND TIME
CROP_TYPE	VARCHAR(20)	WHAT CROP IT IS (E.G TOMATO)
CROP_YIELD	NUMBER(8,2)	HOW MUCH CROP GREW
GROWTH_STAGE	VARCHAR(30)	WHAT STAGE OF GROWTH IS THE CROP
PEST_ISSUE	VARCHAR(30)	WHAT PESTS AFFECT THE CROP
SENSOR_ID	VARCHAR(16777216)	UNIQUE ID FOR THE SENSORS
IRRIGATION_METHOD	VARCHAR(20)	TECNIQUE USED TO DELIVER WATER TO CROPS
WATER_SOURCE	VARCHAR(20)	WHERE THE WATER FOR IRRIGATION IS FROM
IRRIGATION_DURATION_MIN	NUMBER(38,0)	HOW LONG IRRIGATION TOOK IN MINUTES
LOCATION_NAME	VARCHAR(30)	UNIQUE NAME FOR EACH LOCATION
LATITUDE	NUMBER(8,6)	LATITUDE
LONGITUDE	NUMBER(9,6)	LONGITUDE
ELEVATION	NUMBER(8,2)	HOW HIGH THE LOCATION IS
REGION	VARCHAR(20)	WHAT REGION IS IT LOCATED IN e.g(EAST)
PEST_ID	VARCHAR(16777216)	UNIQUE ID FOR EACH PEST
PEST_DESCRIPTION	VARCHAR(255)	TELLS HOW BAD THE PEST SITUATION IS
PEST_SEVERITY	VARCHAR(50)	RATES HOW SEVERE THE CASE IS FROM LOW TO HIGH
PEST_TYPE	VARCHAR(50)	WHAT TYPE OF PEST IT IS
TEMPERATURE_C	FLOAT	TEMPERATURE IN CELCIUS
HUMIDITY	FLOAT	HOW HUMID THE AIR WAS AT THE TIME
SOIL_MOISTURE	FLOAT	HOW MOIST THE SOIL WAS AT THE TIME
LIGHT_INTENSITY	NUMBER(38,0)	THE LIGHT INTENSITY AT THE TIME
BATTERY_LEVEL	FLOAT	THE BATTERY_LEVEL OF THE SENSOR
SOIL_COMP	FLOAT	LEVEL OF SOIL COMPACTION
SOIL_PH	FLOAT	PH LEVEL OF THE SOIL
NITROGEN_LEVEL	FLOAT	QUANTITY OF NITROGEN IN THE SOIL
PHOSPHORUS_LEVEL	FLOAT	QUANTITY OF PHOSPHORUS IN THE SOIL
ORGANIC_MATTER	FLOAT	QUANTITY OF ORGANIC MATTER IN THE SOIL
WEATHER_CONDITION	VARCHAR(16777216)	WHAT THE WEATHER WAS LIKE AT TIME e.g(CLOUDY)
WIND_SPEED	FLOAT	HOW FAST THE WIND WAS MOVING
PRECIPITATION	FLOAT	PRECIPITATION LEVELS AT THE TIME