

- [Doringrivier Trust Datasets documentation:](#)

Doringrivier Trust Datasets documentation:

Doringrivier trust values its data. The aim of the organization to follow a data driven approach to farming. This document describes all of the different datasets that is present on the farm. All of these datasets will be stored in one centralized database, which will hosted in the cloud.

Outline

Doringrivier trust have the following datasets:

1. The irrigation dataset
2. The spraying dataset
3. The vine dataset(s)
4. The labour dataset

The Irrigation dataset

The irrigation dataset describes the irrigation patterns on the farm.

The Spraying dataset

The spraying dataset contains all of the information that relates to spraying records on the farm.

The Vine dataset(s):

The vine datasets contains information pertaining to vines planted on the farm. So for example any experiments done on the farm vines will be stored in one of these datasets.

Each of the vines on our farm can be uniquely identified by the following factors:

1. The block number
2. The row number
3. The vak (afrikaans word) it was planted in.
4. The vine number

Vine coordinate system

Any vineyard will have the following components namely: blocks; columns; rows; sides; and vines. From this fact a coordinate system can be designed to map each vine on our farm.

Blocks

Blocks is large pieces of land with vines planted in a row wise fashion. Hopefully the following photo will illustrate what I mean by blocks.



The following picture illustrates the coordinate system we use on our farm. The following picture illustrates the coordinate system that we have on our farm. The picture will illustrate a block or vineyard of table grapes. The lines that looks like train tracks is called rows. The $v_1, v_2 \dots v_n$ notation illustrates the spaces between the rows where each of the vines is planted.

