## Edible Plant Database

The Edible Plant Database (EPD) is a dataset disseminated via a web service hosted by IIASA that provides information about suitable plants for locations within Europe, based on climate.

Key growing data, for example, planting and harvesting calendars, suitability of location for growing are either typically dispersed across a plethora of sources or generic and only applicable at large scales. The latter is a significant constraint to the new grower who may be unaware of the impact of local micro-climate on growing. The EPD provides collates key data for one resource, the GROW app, that enables users across Europe to choose

It is a database populated with 15 growing parameters and a supporting database on germination of 146 edible plant species included in EPD. Planting calendars and germination data to all 12 European climate zones are also included with high resolution images purchased under licence.

The EPD brings together planting, harvesting and growing requirements for a suite of crops that can be grown in Europe and uses these data to provide locally relevant advice for growers. The Edible Plant Database provides data based on geographical location and growing season to answer questions such as “What can I plant now” and “what can I plant that will yield a crop on some future date”.

## The Data Set

The dataset consists of two files, an Access database and a Excel spradsheet:

* **plant1.accdb**. This is an Access database containing details of the plants. There is one table with the following fields:
  + ID Used to link to the spreadsheet
  + Full Taxonomic name
  + Common Name
  + Cultivation group (Rotational Information)
  + Sunlight Requirements
  + Temperature Class
  + Nutrient requirements
  + Preferred pH
  + Nutritional Information (Very sparse information)
  + Energy Value (Very sparse information)
  + General Description
  + Sensitivities (Very sparse information)
  + Water Requirements
  + Plant Requirements
  + Descriptive Growing Season
  + Pests and Pathogens
  + Disease Management (Very sparse information)
  + Soil
  + Optimum germination Temperature
  + Days to germinate at optimum Temperature
  + Plant growing ideal temperature
  + Length of growing to harvest
  + Image Product (Not used)
  + Image Plant (Not Used)
* **PlantingCalendar.xlsx**. This is an excel spreadsheet with planting data information for the plants in the access database. The spreadsheet contains dates for 12 locations across Europe, each on a separate tab:  
    
  **Spain (Seville),** **Italy (Milan), France (Bordeaux),** **Norway (Trondheim),** **Finland (Oulu), Sweden (Stockholm),** **UK (Dundee),** **Austria (Innsbruck),** **Germany (Berlin),** **Greece (Thessaloniki),** **Hungary (Miskolc),** **Irland (Cloughjordan)**

In addition, the first tab contains a strata table, with a description of the location of strata.

Each location tab has header information:

* + Latitude, Longitude
  + Location (name)
  + Key to colour scheme.

Each location tab contains the following information (per row) for each of the plants in the access table.

* ID (links to access database)
* Full taxonomic name
* Common name
* Start date for indoors/undercover planting
* End date for indoors/undercover planting
* Start date for outdoors planting
* End date for indoors/undercover planting
* Start date for Harvesting
* End for Harvesting

In addition there are a second set of columns (identical names to above) for a second planting season for **Spain, France** and **Greece**