



# Brandenburg Crops Dataset

## Short Documentation

### Summary of contents

- brandenburg\_crops\_train\_2018.geojson: Crop fields with crop\_ids and crop\_types based on cadastral data from Brandenburg, Germany for the training tile from 2018.
- brandenburg\_crops\_test\_2019.geojson: Same but for 2019 and the test tile
- license.txt: Specifies the licence under which this data can be used (see below)

### License - © GeoBasis-DE/LGB (2018/19), [dl-de/by-2-0](#), *Original data was altered*

- This dataset is available under the DL-DE->BY-2.0 license
- This implies it can be used, distributed, and altered for commercial as well as non-commercial purposes given proper attribution to the provider (so it's very flexible)
- In our case, this is GeoBasis (see above). As the original data was changed, we need to explicitly mention this.
- License.txt. should be included in the dataset and participants of any challenge have to agree to this

### Changes to original data

- Merged & translated 1-999 German code system of individual crops into 9 majority classes with English description.
- Crops that did not fit into the 9 classes were dropped (few)
- Spatial clip of 2018 and 2019 vector files to training and test tiles
- Constrained fields to field\_id, crop\_id, crop\_name & spatial extend variables

### Crop Classes

1	Wheat
2	Rye
3	Barley
4	Oats
5	Corn
6	Oil Seeds



7	Root Crops
8	Meadows
9	Forage Crops

- This classification simplifies the machine learning task and allows to focus on crops of practical relevance and significant frequency
- Root crops are rare in this dataset but we decided to include them nonetheless to reflect crop imbalances that are frequent in practical applications