

Dataset distribution for

CROPGRIDS, a global geo-referenced dataset of 173 crops

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Release

Version 1, built 07.

Contents

We distribute in CROPGRIDS 173 georeferenced files in the format of .nc and an excel spreadsheet. The NC files contain 4 variables: harvested area ('harvarea'), crop (physical) area ('croparea'), data quality ('qual'), and the best-fit dataset used ('set'). The geographic domain has a bounding box of (-180W, 180E) in longitude and (-90S, 90N) in latitude at a resolution of 0.05 degree per grid cell (i.e., ~5.55 km at the equator). All variables use the WGS84 coordinate system (Table 1). Along with georeferenced data, we distribute in the excel file 'Table_CROPGRIDSv1.07_COU.xlsx' the harvested and crop areas of each crop in each country and the codes used to construct CROPGRIDS. The 173 crop types have the same names in Monfreda et al., (2008), but exclude coir and gums.

Recommended Citation

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Use Agreement

This data set is licenced by CC BY 4.0 International. Data can be freely downloaded for research, study, or teaching, as well as modified and redistributed, but must be cited appropriately.

File	Description
CROPGRIDSv1.07_[CROP].nc	Georeferenced maps describing the harvested and cultivated areas of each of the 173 crops. Variables: 'harvarea' – Harvested area (ha) 'croparea' – Crop (physical) area (ha) 'qual' – Data quality (-) 'set' – Best-fit dataset used (-), see Table 2 for the legends. Maps details: Resolution: 0.05 degree per grid cell (i.e., ~5.55 km at the equator) Coordinates: standard WGS84 Bounding box: 180°E-180°W; 90°N-90°S Ocean/Water: flagged as "-1"
CROPGRIDSv1.07_[CROP].png	Same as above but presented as images.
CODES.zip	Codes and excel tables used to construct CROPGRIDS
Table_CROPGRIDSv1.07_COU.xlsx	Harvested and crop areas of each of the 173 crops in each country. Areas are expressed in the unit of hectares.

Table 2: Legends of the best-fit dataset used.	
Number	Name of dataset
1	MRF
2	SPAM
3	GAEZ+15
4	GEOGLAM
5	OIPA
6	RAP
7	EU
8	SPAMAF
9	AFCAS
10	SASOY
11	MYSTHA
12	ASIARICE
13	CIVGHA
14	UZBTJK
15	USA
16	CA
17	AFG
18	DEU
19	CHNWH
20	CHNMZ
21	CHNMZWHRI
22	BGDRICE
23	BRASUG
24	SEN
25	AU
26	FR
27	JP