

Mapping

Source: MAL_Maha2021.gpkg

Common mapping for both 2021_LKA_WAPOR-1_POLY_111 and 2021_LKA_WAPOR-2_POLY_111

Original name	CT	LC
Teak	0	40
HG with Coconut	0	0
Grassland	0	13
Fallow land	0	20
Tank	0	70
Shrubland	0	30
Forest	0	42
Bare land	0	50
Bare soil	0	50
HG with mixed plants	0	0
Wetland	0	30
Tree cover	0	40
Maize	1200	11
Paddy	1300	11
Finger Millet	1800	11
Finger millet	1800	11
Cabbage	2130	11
Cucumber	2210	11
Ela Batu	2220	11
Ela batu	2220	11
Brinjal	2220	11
Tomato	2230	11
Watermelon	2240	11
Cucumis melo	2250	11
Gherkin	2260	11
Pumpkin	2260	11
Snake gourd	2260	11
Bitter gourd	2260	11
Okra	2290	11
Onion	2340	11
Luffa	2900	11
Banana	3120	12
banana	3120	12
Mango	3150	12
Papaya	3160	12
Guava	3190	12
Thibbatu	3190	12
Passion fruit	3190	12
Lime	3220	12

Pomegranate	3590	12
Soursop	3590	12
Cashew	3620	12
Groundnut	4200	11
Mustard	4330	11
Sesame	4370	11
Gingelly	4370	11
Coconut	4410	12
Sweet potato	5200	11
Cassava	5300	11
Chillie	6211	11
Chilli	6211	11
Green chilli	6211	11
Capsicum	6211	11
Turmeric	6219	11
Cinnamon	6223	12
Lemon grass	6229	12
Mung Bean	7100	11
Long Bean	7100	11
Long bean	7100	11
Cowpea	7400	11
Black Gram	7500	11
Blackgram	7500	11
Black gram	7500	11
Green gram	7500	11
Aloe vera	9320	12

Above mapping has been translated to the WorldCereal phase 2 legend via the following mapping tables:

- LC: https://artifactory.vgt.vito.be/artifactory/auxdata-public/worldcereal/reference_data/harmonization/Mapping_WorldCereal_LC_phase_I.csv
- CT: https://artifactory.vgt.vito.be/artifactory/auxdata-public/worldcereal/reference_data/harmonization/Mapping_WorldCereal_CT_phase_I.csv

Validity time

The validity time is set to 31 January 2021. Original dates had different date formats and their values were very close to 31 January 2021.

IRR

Irrigation was taken from field irrigation and is mapped as follows.

Original name	IRR	Translation
1	100	Rainfed
2	200	Irrigated
3	220	Supplementary irrigation
4	220	Supplementary irrigation
5	0	No information
-	0	No information
0	0	No information

Filtering

No filtering was performed

Correction

No correction was applied.

Geometry transformations

No geometry transformation was performed

Spatial accuracy

The spatial accuracy is validated using systemic random sampling and Satellite Images to ascertain if LC values correspond to actual land use.

Confidence score

Confidence score is 93 for crop type.

FieldObservationSurvey / Windshield (at dataset level)				
Quality Category	Description	Score & Reduction factor	Weight (%)	Total Score
Geometry (spatial accuracy based on GPS)	If GPS info is not present	95	40	38
Geometry (spatial context analysis by benchmarking against non-arable spatial features e.g., roads, water bodies, railway, buildings, nature areas etc.)	Case 0: Evaluated samples of cleaned data show no issues	0		
Level of accuracy of time	Real date	100	35	35
Validation applied	No	80	25	20
Grand Total Confidence Score				93

Confidence score is 93 for landcover.

FieldObservationSurvey / Windshield (at dataset level)				
Quality Category	Description	Score & Reduction factor	Weight (%)	Total Score
Geometry (spatial accuracy based on GPS)	If GPS info is not present	95	40	38
Geometry (spatial context analysis by benchmarking against non-arable spatial features e.g., roads, water bodies, railway, buildings, nature areas etc.)	Case 0: Evaluated samples of cleaned data show no issues	0		
Level of accuracy of time	Case 5 for land cover: In case of land cover (LC) the absence of sea	100	35	35
Validation applied	No	80	25	20
Grand Total Confidence Score				93