



UNITED REPUBLIC OF TANZANIA
Irrigated crop calendar

2013

Calendar used in 2012 'Irrigation water use' study is downloadable in [PDF](#)

Irrigated crops	Area	Crop area as percentage of the full control											
	1000 ha	J	F	M	A	M	J	J	A	S	O	N	D
Rice	71	29	29	29								29	29
Maize	124				51	51	51	51	51				
Other cereals	15				6	6	6	6	6				
Vegetables	42						17	17	17	17	17		
Fruits	1	1	1	1	1	1	1	1	1	1	1	1	1
Roots & Tubers	6				3	3	3	3	3				
Pulses	27				11	11	11	11	11				
Oil crops	7				3	3	3	3	3				
Sugarcane	13	5	5	5	5	5	5	5	5	5	5	5	5
Coffee	3	1	1	1	1	1	1	1	1	1	1	1	1
Tea	3	1	1	1	1	1	1	1	1	1	1	1	1
Cotton	15	6	6	6	6						6	6	6
Other temporary crops	5				2	2	2	2	2				
Harvested irrigated crop area [AHI_{full}]	332												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	246	43	43	43	89	83	100	100	100	25	31	43	43
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	135												
Area equipped for full control irrigation [AEI_{full}]	246												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	100												
Total area equipped for irrigation [AEI_{tot}]	364												



Narrative

AEI_{tot} equals to 363 514 ha, AEI_{full} to 245 514 ha and AHI_{tot} to 450 392 ha in 2013 (NBS,2015). AHI_{full} is estimated at 332 392 ha, considering that equipped wetlands and spate irrigated areas are harvested only once a year and all are actually irrigated. AAI_{full} is considered similar to AEI_{full} like it was the case in 2002, resulting in a cropping intensity of 135 percent. Without any details for AHI_{full} in 2013, crops areas known for AHI_{tot} in 2008 (MAFSC, 2012a and 2012b) were upscaled proportionally to AHI_{full} for 2013. The main irrigated crops are cereals, in particular maize and paddy, and vegetables. Irrigation is also applied to pulses, sugarcane and cotton, as well as to limited areas of roots and tubers, oil crops, tea, coffee and fruits. Other crops corresponds to other cash crops, mostly tobacco. Irrigation is practiced all year round, but about 2/3 of the harvested irrigated crop area of small holder agriculture is irrigated during the long rainy season (*Masika*) from March to June. Crops are cultivated and irrigated in turn: rice is irrigated from November to March, maize from April to August, vegetable from June to October and cotton from October to April.

References

NBS. 2015. *Environment Statistics 2014 – Tanzania Mainland*. National Bureau of Statistics.

MAFSC. 2012a. *National Sample Census of Agriculture 2007/08 - Small Holder Agriculture. Volume II: Crop Sector – National Report*. Ministry of Agriculture, Food Security and Cooperatives.

MAFSC. 2012b. *National Sample Census of Agriculture 2007/08 - Large Scale Farms. Volume IV*. Ministry of Agriculture, Food Security and Cooperatives.