



KENYA

Irrigated crop calendar

2010

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

Irrigated crops	Area	Crop area as percentage of the full control equipped and actually irrigated area by month											
	1000 ha	J	F	M	A	M	J	J	A	S	O	N	D
Rice	25				18	18	18	18	18				
Maize	6				4	4	4	4	4				
Vegetables One	23									17	17	17	17
Vegetables Two	22	16	16	16	16								
Citrus	8	6	6	6	6	6	6	6	6	6	6	6	6
Pineapple	8	6	6	6	6	6	6	6	6	6	6	6	6
Bananas	1	1	1	1	1	1	1	1	1	1	1	1	1
Sugarcane	8	6	6	6	6	6	6	6	6	6	6	6	6
Coffee	20	15	15	15	15	15	15	15	15	15	15	15	15
Tea	8	6	6	6	6	6	6	6	6	6	6	6	6
Flowers	5	4	4	4	4	4	4	4	4	4	4	4	4
Cotton	6	4	4	4						4	4	4	4
Harvested irrigated crop area [AHI_{full}]	140												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	136	63	63	63	82	65	65	65	65	64	64	64	64
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	103												
Area equipped for full control irrigation [AEI_{full}]	144												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	94												
Total area equipped for irrigation [AEI_{tot}]	151												



Narrative Kenya

AEI_{full} equals to 144 100 ha in 2010 (WRMA, 2013). AAI_{full} is 94 percent of AEI_{full} in 2003, so in absence of more recent data, it was estimated using the same ratio for 2010, and thus at 135 900 ha. AHI_{full} 's estimation for 2006 in AT 2050/2080 (57 000 ha; FAO, 2011) is considered to be low. In the previous crop calendar (FAO, 2015), the cropping intensity was 103 percent, and is thus considered similar in 2010. AHI_{full} is therefore estimated at 140 200 ha upscaling the 1990 and 2003 available figures in AQUASTAT as well as AT 2050/2080. The main irrigated crops are vegetables, rice and coffee. Some citrus, pineapple, sugarcane, tea, cotton, maize, flowers and bananas are also irrigated. Temporary crops are irrigated mostly from April to August during the long raining season.

References

FAO. 2011. *World agriculture: towards 2050/2080*. FAO, Global Perspective Studies Unit. Rome. (Internal document).

FAO. 2015. AQUASTAT, FAO's global information system on water and agriculture. <http://www.fao.org/nr/aquastat>

WRMA. 2013. *The National Water Master Plan 2030. Final Report – Volume I Executive Summary*. Water Resources Management Authority.