



UGANDA

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											
	1000 ha	J	F	M	A	M	J	J	A	S	O	N	D
Rice one	7.6				70	70	70	70	70				
Rice two	7.6	70								70	70	70	70
Maize one	0.2				1	1	1	1	1				
Maize two	0.2	1								1	1	1	1
Vegetables one	0.1	1	1	1	1								
Vegetables two	0.1					1	1	1	1				
Vegetables three	0.1									1	1	1	1
Fruits	0.1	1	1	1	1	1	1	1	1	1	1	1	1
Sesame one	0.1				1	1	1	1	1				
Sesame two	0.1	1								1	1	1	1
Sugarcane	2.5	23	23	23	23	23	23	23	23	23	23	23	23
Flowers	0.2	2	2	2	2	2	2	2	2	2	2	2	2
Harvested irrigated crop area [AHI_{full}]	18.8												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	10.8	99	27	27	99								
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	174												
Area equipped for full control irrigation [AEI_{full}]	13.3												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	81												
Total area equipped for irrigation [AEI_{tot}]	15.5												



Narrative Uganda

The 2010-2035 Irrigation Master Plan (MWE, 2011) aggregated with rehabilitation project documents indicate an AEI_{tot} of 15 538 ha in 2010; in addition AEI_{full} is estimated at 13 308 ha (small scale governmental irrigation schemes are considered equipped lowlands and thus discounted from AEI_{tot}). In 2010, 10 820 ha of full control irrigation is functional, so it is assumed that AAI_{full} is similar. The crop calendar is based on the Irrigation Master Plan: rice, maize and sesame have double cropping each year; vegetables have three crops per year while fruit (citrus, mangoes) and sugarcane are permanently irrigated. The harvested areas for each crop have been estimated based on the FAO (2011) Nile Project report (70 percent of rice, 23 percent of sugarcane and 7 percent of vegetables, fruits, etc.; and 220 ha of flowers). However, because these ratios refer to physical areas rather than harvested areas, crops with multiple cropping have had their respective area doubled/tripled to simulate the actual cropping intensity. As a result AHI_{full} is 18 800 ha and the cropping intensity 174 percent. Irrigation is practiced all year round enabling multiple cropping.

References

FAO. 2011. Farming systems report – Synthesis of the country reports at the level of the Nile Basin. Food and Agriculture Organization of the United Nations. Rome, Italy. Available at <http://www.fao.org/nr/water/faonile/products/Docs/Reports/Farming.pdf>, accessed in July 2012.

MWE. 2011. *A National Irrigation Master Plan for Uganda (2010-2035)*. Volume 1: Main Text. Republic of Uganda. Ministry of Water and Environment.