



GHANA

Irrigated crop calendar

2010

Irrigated crops	Area 1000 ha	Crop area as percentage of the full control equipped and actually irrigated area by month												
		J	F	M	A	M	J	J	A	S	O	N	D	
Rice one	10.0						33	33	33	33	33			
Rice two	10.0	33	33	33	33	33								
Vegetables one	20.2	67	67	67	67	67								
Vegetables two	20.2						67	67	67	67	67			
Harvested irrigated crop area [AHI_{full}]	60.4													
Area equipped for full control irrigation actually irrigated [AAI_{full}]	30.3	100	100	100	100	100	100	100	100	100	100	100	0	0
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	200													
Area equipped for full control irrigation [AEI_{full}]	30.9	*												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	98													
Total area equipped for irrigation [AEI_{tot}]	30.9	* This area refers to the year 2000												

Narrative

AEI_{tot} and AEI_{full} are 30 900 ha in 2000 while AAI_{tot} and AAI_{full} are 27 910 ha (FAO, 2012). The Ministry of Agriculture website indicates an area under irrigation (AAI_{full}) of 30 269 ha in 2010. Estimations of AHI_{full} vary greatly according to the sources and years: 13 000 ha in 1998 (AT 2015/2030; FAO, 2003), 33 500 ha in 2000 (AT 2030/2050; FAO, 2006) and 28 000 ha in 2006 (AT 2050/2080; FAO, 2011). In addition, a partial AHI_{full} for rice of 5 238 ha for 2002 is given in AQUASTAT, corresponding to public irrigation schemes only. Thus AHI_{full} is then calculated such as the cropping intensity is 200 percent to reflect the double cropping of both rice and vegetables, that is 60 500 ha. The cropping seasons are based on AT 2050/2080 (FAO, 2011). The main irrigated crops are vegetables and rice. Due to double cropping for both crops, irrigation is practiced all year round.

References

- FAO. 2003. *World agriculture: towards 2015/2030*. An FAO perspective. FAO, Global Perspective Studies Unit, Rome, Italy, 2003.
- FAO. 2006. *World agriculture: towards 2030/2050*. Interim report. FAO, Global Perspective Studies Unit. Rome, Italy. Available at http://www.fao.org/fileadmin/user_upload/esag/docs/Interim_report_AT2050web.pdf, accessed in July 2012.
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