Food and Agriculture Organization of the United Nations

BENIN

Irrigated crop calendar   **2008**

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 one	5.9						35	35	35	35	35		
Rice two	5.0	29	29	29	29	29							
Vegetables	2.7						16	16	16	16	16		
Roots	4.6						27	27	27	27	27		
Sugarcane	3.5	20	20	20	20	20	20	20	20	20	20	20	20
Harvested irrigated crop area [AHI$_{full}$]	**21.8**												
Area equipped for full control irrigation actually irrigated [AAI$_{full}$]	**17.2**	50	50	50	50	50	98	98	98	98	98	20	20
Cropping intensity (%) = 100 x [AHI$_{full}$]/[AAI$_{full}$]	**127**												
Area equipped for full control irrigation [AEI$_{full}$]	**23.0**												
% of full control equipped actually irrigated = 100 x [AAI$_{full}$]/[AEI$_{full}$]	**75**												
Total area equipped for irrigation [AEI$_{tot.}$]	23.0												

Narrative

AEI$_{tot}$ and AEI$_{full}$ are 23 037 ha in 2008 and AAI$_{full}$ is 17 199 ha for the same year. AHI$_{full}$ is 21 798 ha in 2008 (FAO, 2010), resulting in a cropping intensity of 127 percent. The main irrigated crops are cereals (assumed to be double cropping of rice based on the previous exercise undertaken in 2000) and roots. Some vegetables and industrial crops (assumed to be sugarcane also based on the previous exercise) are also irrigated. The cropping seasons are based on AT 2050/2080 (FAO, 2011). Temporary crops are irrigated mostly from June to October, except for the rice second cropping.

References

FAO. 2010. Strengthening national water monitoring capacities with emphasis on agricultural water management. Project GCP/GLO/207/ITA. Working documents.

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