



NIGERIA

Irrigated crop calendar

2004

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
Wheat	19						9	9	9	9	9		
Rice one	7	3	3	3								3	3
Rice two	7						3	3	3	3	3		
Maize	19						9	9	9	9	9		
Vegetables	117	53	53	53	53								53
Potatoes	24	11	11	11	11								11
Sugarcane	25	11	11	11	11	11	11	11	11	11	11	11	11
Cotton	8				4	4	4	4	4	4	4		
Harvested irrigated crop area [AHI_{full}]	226												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	219	79	79	79	76	11	32	32	32	32	32	15	79
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	103												
Area equipped for full control irrigation [AEI_{full}]	238												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	92												
Total area equipped for irrigation [AEI_{tot}]	293												

Narrative

The AQUASTAT database gives AEI_{tot} equal to 293 200 ha and AEI_{full} to 238 200 ha in 2004 (FAO, 2012). AAI_{tot} is 218 800 ha in 2004 and AAI_{full} is assumed similar. A partial AHI_{full} is 164 000 ha in 1999, thus AHI_{full} was calculated such as it equals AAI_{full} plus one crop of rice, that is 225 800 ha, resulting in a cropping intensity of 103 percent. More than half of AHI_{full} consists of vegetables. Wheat, maize, sugarcane, rice (double cropping) and potatoes are also significant irrigated crops, while cotton, cowpeas, oil palm, citrus fruits, cocoa, rubber, taro and cashew nuts are much more limited and do not even appear in the crop calendar. Vegetables and potatoes are cropped and irrigated during the dry season from November to April, while wheat and maize enjoy a wet cropping season from June to October.

References

FAO. 2012. AQUASTAT, FAO's global information system on water and agriculture. <http://www.fao.org/nr/aquastat>