



ZAMBIA

Irrigated crop calendar

2002

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	12.2					22	22	22	22	22				
Rice	8.0	14	14	14	14								14	
Maize	1.5					3	3	3	3	3				
Vegetables	4.4	8	8	8	8								8	
Citrus	2.2	4	4	4	4	4	4	4	4	4	4	4	4	
Bananas	3.0	5	5	5	5	5	5	5	5	5	5	5	5	
Sugarcane	18.4	33	33	33	33	33	33	33	33	33	33	33	33	
Coffee	5.2	9	9	9	9	9	9	9	9	9	9	9	9	
Tea	0.5	1	1	1	1	1	1	1	1	1	1	1	1	
Harvested irrigated crop area [AHI_{full}]	55.4													
Area equipped for full control irrigation actually irrigated [AAI_{full}]	55.4	75	75	75	75	78	78	78	78	78	78	53	53	75
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	100													
Area equipped for full control irrigation [AEI_{full}]	55.4													
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	100													
Total area equipped for irrigation [AEI_{tot}]	155.9													

Narrative

AEI_{tot} is 155 900 ha in 2002 while AEI_{full} and AHI_{full} are 55 387 ha (FAO, 2012). Because AAI_{tot} is equal to AEI_{tot} in 2002, AAI_{full} is considered equal to AEI_{full}, resulting in a cropping intensity of 100 percent. The main irrigated crops are cereals (39 percent, mainly wheat and rice, but also maize) and sugarcane (33 percent). Other irrigated crops include vegetables, and commercial crops such as coffee, bananas, citrus and tea. Irrigated cotton which appeared in the previous exercise undertaken in 2000 has collapsed in the country due to commercial farmers opting for high-value irrigated crops like paprika. Irrigation is practiced all year round.

References

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