



MALI

Irrigated crop calendar

2011

Calendar used in 2012 'Irrigation water use' study is downloadable in [PDF](#)

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
Wheat	9.5	7	7	7	7	7						7	7
Rice one	12.5	9	9	9								9	9
Rice two	92.8						66	66	66	66	66		
Sorghum	1.5						1	1	1	1	1		
Maize	0.4	0.3	0.3	0.3								0.3	0.3
Vegetables one	30.0						21	21	21	21	21		
Vegetables two	30.0	21	21	21								21	21
Fruits	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Potatoes and sweet potatoes	16.9	12	12	12								12	12
Other roots	6.2						4	4	4	4	4	4	
Pulses	0.3	0.2	0.2	0.2								0.2	0.2
Sugarcane	5.0	4	4	4	4	4	4	4	4	4	4	4	4
Tea	4.0	3	3	3	3	3	3	3	3	3	3	3	3
Harvested irrigated crop area [AHI_{full}]	209.6												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	139.9	57	57	57	14	14	100	100	100	100	100	61	57
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	150												
Area equipped for full control irrigation [AEI_{full}]	167.1												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	84												
Total area equipped for irrigation [AEI_{tot}]	371.0												



Narrative Mali

AEI_{tot} is 371 031 ha in 2011 while AEI_{full} is 167 081 ha for the same year (DGR, 2012). The crop pattern, calendars and areas come from Office du Niger (ON, 2012) and Ministère de l'Agriculture (CPS, 2012). However, the areas in this second references do not differentiate full control irrigation from other types of irrigation. It is thus consider that only 60 000 ha (out of over 112 000 ha) of vegetables are cropped on full control equipped areas over 2 cropping cycles; similarly only 6 200 ha (out of over 12 000 ha) of other roots are considered in full control. Based on these assumptions, it is estimates than AAI_{full} is 139 900 ha. $AHIfull$ is around 209 600 ha in 2010-2011, resulting in a cropping intensity of 150 percent. The main irrigated crops are rice (50 percent, double cropping), vegetables (29 percent), and roots (11 percent). Other cereals, sugarcane, tea, fruits and pulses are also irrigated.

References

- DGR.** 2012. *Evolution par type d'aménagements, des superficies aménagées au Mali*. Ministère de l'Agriculture. Direction Nationale du Génie Rural.
- ON.** 2012. *Bilan de la campagne agricole 2010-2011*. Office du Niger.
- CPS.** 2012. *Recueil des Statistiques du Secteur de Développement Rural*. Ministère de l'Agriculture. Cellule de la Planification et des Statistique.