



## MADAGASCAR

### Irrigated crop calendar

2008

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
Rice one	765	98	98	98								98	98
Rice two	279				36	36	36	36	36				
Sugarcane	17	2	2	2	2	2	2	2	2	2	2	2	2
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>1 061</b>												
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>782</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>2</b>	<b>2</b>	<b>100</b>	<b>100</b>
<b>Cropping intensity (%) = 100 x [AHI<sub>full</sub>]/[AAI<sub>full</sub>]</b>	<b>136</b>												
<b>Area equipped for full control irrigation [AEI<sub>full</sub>]</b>	<b>1 200</b>												
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>65.2</b>												
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>1 200</b>												

### Narrative

AEI<sub>tot</sub> is equal to 1 200 000 ha in 2013 (MA, 2013). The irrigated rice cultivated in 2008 covers 1 340 000 ha are irrigated although 295 215 ha were so on non equipped area in 2005, so it is estimated that 1 044 161 ha are harvested with full control irrigation. It also details that 764 889 ha are irrigated in high season (including non equipped area) and 279 262 ha in double cropping. AAI<sub>full</sub> is calculated based on AHI<sub>full</sub> for the rice in the high season, increased by the area of sugarcane (17 050 ha), that is 782 000 ha. Rice is by far the main irrigated crop and two crops are cultivated each year. Sugarcane is also irrigated. Irrigation is practiced all year round.

### References

JICA. 2009. National Strategy for the Development of Rice Growing (NSDR) Madagascar. Japan International Cooperation Agency.

MA. 2013. Seul 10 pour cent des périmètres irrigués le sont réellement. Interview d'Olivia Rafalimanana, directrice de la région rurale auprès du Ministère de l'Agriculture, disponible: <http://www.orange.mg/actualite/seuls-10-perimetres-irrigues-sont-reellement>, accès en Septembre 2016.