



**NIGER**

**Irrigated crop calendar**

**2011**

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

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	0.2	2	2	2	2	2						2	2
Rice one	6.6	62	62	62								62	62
Rice two	6.9						66	66	66	66	66		
Maize	0.4						4	4	4	4			
Millet	1.2						11	11	11	11			
Sorghum	1.5						15	15	15	15			
Roots	0.2	2	2	2								2	2
Vegetables	0.2	2	2	2								2	2
Sugarcane	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Cotton	0.4						4	4	4	4	4	4	
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>17.8</b>												
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>10.6</b>	<b>68</b>	<b>68</b>	<b>68</b>	<b>2</b>	<b>2</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>70</b>	<b>72</b>	<b>68</b>
<b>Cropping intensity (%) = 100 x [AHI<sub>full</sub>]/[AAI<sub>full</sub>]</b>	<b>168</b>												
<b>Area equipped for full control irrigation [AEI<sub>full</sub>]</b>	<b>13.7</b>												
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>77</b>												
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>99.9</b>												

**Narrative**

AEI<sub>tot</sub> is 99 894 ha in 2010 and AEI<sub>full</sub> is 13 744 ha for the same year (ONAHA, 2012; CIP-SDR, 2011). AAI<sub>full</sub> is estimated at 10 580 ha in 2011 according to the cropping calendar and AAI<sub>tot</sub> at 87 864 ha in 2010 (59 291 ha actually irrigated in 'contre-saison' schemes + 18 000 ha in private irrigation + 10 573 ha in full control)—88 percent of AEI<sub>tot</sub>. AHI<sub>full</sub> equals to 17 750 ha in 2011 (ONAHA, 2012), resulting in a cropping intensity of 168 percent. The irrigated crops are rice (76 percent, double cropping), other cereals (19 percent, such as wheat, maize, millet and sorghum), cotton (2 percent), roots, vegetables, as well as sugarcane are also irrigated. Cereals and cotton are mostly irrigated from June to September during the raining season (except wheat) while other irrigated crops are so from November to March during the dry season.

**References**

ONAHA. 2012. Rapport annuel 2011. Office National des Aménagements Hydro Agricoles.

CIP-SDR. 2011. Revue des Dépenses Publiques 2010 du secteur rural. Comité Interministériel de de Pilotage de la Stratégie de Développement Rural