



**BURKINA FASO**

**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
Rice one	4.4	18	18	18								18	18
Rice two	10.6						42	42	42	42	42		
Maize	2.7	11	11	11								11	11
Fruits	2.3	9	9	9								9	9
Vegetables one	5.0										20	20	20
Vegetables two	5.0	20	20	20									
Sugarcane	3.9	15	15	15	15	15	15	15	15	15	15	15	15
Roots	3.7	15	15	15								15	15
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>37.7</b>												
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>25.3</b>	<b>87</b>	<b>87</b>	<b>87</b>	<b>15</b>	<b>15</b>	<b>57</b>	<b>57</b>	<b>57</b>	<b>57</b>	<b>77</b>	<b>87</b>	<b>87</b>
<b>Cropping intensity (%) = 100 x [AHI<sub>full</sub>]/[AAI<sub>full</sub>]</b>	<b>149</b>												
<b>Area equipped for full control irrigation [AEI<sub>full</sub>]</b>	<b>29.7</b>												
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>85</b>												
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>54.3</b>												

**Narrative**

AEI<sub>tot</sub> is 54 275 ha in 2011 while AEI<sub>full</sub> is 29 730 ha (DGADI, 2012). AHI tot and the crop pattern comes from the Ministry of Agriculture (DGPER, 2012) for the 2011/2012 campagne. However, because it includes all types of irrigation (full or partial control) as well as crop cultivated on non-equipped inland valley bottoms, irrigated crop areas related only to the full control irrigation has been estimated assuming that full control is mostly dedicated to rice cultivation, that equipped lowlands are dedicated to vegetables, that two cropping cycles of vegetables fits during the dry season, and the rest of the irrigated crops have been distributed arbitrarily over the water managed areas. AAI<sub>full</sub> and AAI<sub>tot</sub> were estimated as 85 percent of the equipped areas. As a result the cropping intensity is 149 percent. The main irrigated crops are rice (40 percent, double cropping), vegetables (27 percent, onions, lettuce, cabbage; double cropping) and sugar cane (10 percent). Some roots, maize and fruits are also irrigated. Temporary crops are irrigated from November to March, except for the second cropping of rice.

**References**

**DGPER.** 2012. *Résultats définitifs de la campagne agricole et de la situation alimentaire et nutritionnel 2011-2012*. Ministère de l'agriculture de l'hydraulique. Direction Générale de la Promotion de l'Economie Rurale.

**DGADI.** 2012. *Rapport bilan de la campagne agricole de saison sèche 2011-2012*. Ministère de l'Agriculture et de l'hydraulique. Direction générale des aménagements et développement de l'irrigation.