



**DOMINICAN REPUBLIC**  
**Irrigated crop calendar**

2004

Irrigated crops	Area	Crop area as percentage of the full control actually irrigated area by month											
	1000 ha	J	F	M	A	M	J	J	A	S	O	N	D
Rice one	80			37	37	37	37	37					
Rice two	80								37	37	37	37	37
Maize	8			4	4	4	4	4					
Other cereals	2			1	1	1	1	1					
Vegetables	36			16	16	16	16	16					
Fruits	8	4	4	4	4	4	4	4	4	4	4	4	4
Plantains	24	4	4	4	4	4	4	4	4	4	4	4	4
Groundnut	1			1	1	1	1	1					
Potatoes	5			3	3	3	3	3					
Sugarcane	12	6	6	6	6	6	6	6	6	6	6	6	6
Other temporary crops	27			13	13	13	13	13					
Pasture temporary	4	2	2	2								2	2
Other permanent crops	9	4	4	4	4	4	4	4	4	4	4	4	4
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>296</b>												
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>216</b>	<b>19</b>	<b>19</b>	<b>93</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>56</b>	<b>56</b>
<b>Cropping intensity (%) = 100 x [AHI<sub>full</sub>]/[AAI<sub>full</sub>]</b>	<b>137</b>												
<b>Area equipped for full control irrigation [AEI<sub>full</sub>]</b>	<b>306</b>	*											
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>71</b>												
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>306</b>	* These areas refer to the year 2009											



## Narrative Dominican Republic

$AEI_{full}$  is equal to 306 505 ha in 2009. The previous figure of 269 700 ha in 1999 seems to include only public irrigation schemes (FAO, 2012).  $AHI_{full}$  is 296 189 ha in 2004 (INDRHI, 2010). Since double cropping of rice is considered, the  $AAI_{full}$  of 216 189 ha is calculated by deducting from  $AHI_{full}$  of 296 189 ha the area of one crop of rice, 80 000 ha, resulting in a cropping intensity of 137 percent. Rice has become the main irrigated crop (double cropping) and has overtaken sugarcane, previously the first irrigated crop in the country. Vegetables (including potatoes and other roots and tubers), fruits, and cereals (maize and sorghum), groundnuts, pasture (assumed to be temporary and thus irrigated during the dry season) and other crops (both temporary and permanent) are also irrigated. Temporary crops, except pastures, are irrigated from March to July, while the rainy season lasts from May to October.

## References

- FAO. 2012. AQUASTAT, FAO's global information system on water and agriculture. <http://www.fao.org/nr/aquastat>
- Instituto Nacional De Recursos Hidricos [INDRHI]. 2010. *El riego y la producción alimentaria*. Available at <http://www.indrhi.gob.do/LinkClick.aspx?fileticket=1bI9KtQgYyY%3d&tabid=66&mid=459>, accessed in June 2012.