



GUATEMALA

Irrigated crop calendar

2007

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	0.2				0.1	0.1	0.1	0.1	0.1				
Maize one	35				11	11	11	11	11				
Maize two	35	11								11	11	11	11
Vegetables one	3				1	1	1	1	1				
Vegetables two	5	2								2	2	2	2
Fruits	13	4	4	4	4	4	4	4	4	4	4	4	4
Bananas and plantains	44	14	14	14	14	14	14	14	14	14	14	14	14
Citrus	12	4	4	4	4	4	4	4	4	4	4	4	4
Palm (African)	17	5	5	5	5	5	5	5	5	5	5	5	5
Potatoes	3				1	1	1	1	1				
Coffee	16	5	5	5	5	5	5	5	5	5	5	5	5
Sugarcane	163	52	52	52	52	52	52	52	52	52	52	52	52
Cotton	4	1	1	1						1	1	1	1
Harvested irrigated crop area [AHI_{full}]	352												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	312	99	87	87	99								
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	113	* These figures refer to the year 2003											
Area equipped for full control irrigation [AEI_{full}]	312												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	100												
Total area equipped for irrigation [AEI_{tot}]	312												



Narrative Guatemala

AEI_{tot} , AEI_{full} , AAI_{tot} and AAI_{full} all are 129 800 ha in 1997 (FAO, 2012). However, AAI_{full} is 312 140 ha in 2003 (INE, 2005) and AHI_{full} is 386 000 ha in 2007 (INE, 2008), representing a huge increase compared to the 1997 data. It is assumed that AEI_{full} is equal to AAI_{full} . AHI_{full} was considered too high (monthly use exceeding 100 percent) and thus has been reduced to 352 000 ha. The resulting cropping intensity is 113 percent. The main irrigated crops are sugarcane, maize, bananas and plantains, African palm, coffee and fruits (mangoes, papaya, and pineapple). Some citrus, vegetables (tomatoes, beans, broccoli, etc.), potatoes, cotton and rice are also irrigated. Irrigation is required for around six months in the Altiplano and the Atlantic Coast regions, except for crops with high water requirements such as vegetables.

References

FAO. 2012. AQUASTAT, FAO's global information system on water and agriculture. <http://www.fao.org/nr/aquastat>

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