

BRAZIL
Irrigated crop calendar
2006

Irrigated crops	Area 1000 ha	Crop area as percentage of the full control actually irrigated area by month											
		J	F	M	A	M	J	J	A	S	O	N	D
Wheat [°]	19	0.4	0.4	0.4								0.4	0.4
Maize	559				13	13	13	13	13				
Rice	1 129	25	25	25	25	25							
Vegetables	152	3	3	3								3	3
Fruits [°]	29	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Bananas [°]	27	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Citrus	158	4	4	4	4	4	4	4	4	4	4	4	4
Soybeans	624								14	14	14	14	14
Potatoes [°]	23	0.5	0.5	0.5								0.5	0.5
Coffee	262	6	6	6	6	6	6	6	6	6	6	6	6
Pulses	316	7	7	7								7	7
Sugarcane	1 705	38	38	38	38	38	38	38	38	38	38	38	38
Pasture permanent [°]	55	1	1	1	1	1	1	1	1	1	1	1	1
Tobacco [°]	64	1	1	1								1	1
Cotton [°]	207						5	5	5	5	5	5	5
Harvested irrigated crop area [AHI_{full}]	5 329												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	4 454	88	88	88	88	88	67	67	81	69	69	82	82
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	120												
Area equipped for full control irrigation [AEI_{full}]	4 601												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	97												
Total area equipped for irrigation [AEI_{tot}]	4 601												

[°] These areas originate from AT2050/2080

Narrative Brazil

AEI_{full} is 4 601 290 ha in 2006 as reported by the 2009 Report on State of Water Resources of Brazil (ANA, 2009). AAI_{full} is 4 454 000 ha for the same year, according to the 2006 agricultural census. A partial AHI_{full} for the ten main irrigated crops in 2006 is 4 904 677 ha, according to the 2006 Agricultural Census (GSO, 2010). For other minor crops cited in AT 2050/2080 (FAO, 2011) their specific area is added, resulting in an AHI_{full} of 5 329 000 ha and a cropping intensity of 120 percent. The range of crops grown under irrigation is highly diversified. The main irrigated crop is sugarcane, followed by rice, soybeans, cereals (mainly maize), pulses, coffee, cotton, fruit (citrus), bananas, vegetables, potatoes, tobacco and pastures. Pastures are considered to be permanent pastures due to indication in the 2009 State of Water Resources that they are irrigated but not included in arable land. Basic commodities are complemented, whenever markets permits, by high-value commercial crops with off-season fruits and vegetables for example intended in particular for exports. Temporary crops are mostly cultivated and irrigated from November to March.

References

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