



CHINA - NORTHEAST

(Beijing & Tianjin, Gansu, Hebei, Heilongjiang, Henan, Inner Mongolia, Jilin, Liaoning, Ningxia, Shaanxi, Shandong, Shanghai, Shanxi)

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	15 595	56	56	56	56						56	56	56
Rice (Keng)	5 048					18	18	18	18	18			
Maize	10 489					38	38	38	38	38			
Other cereals	649					2	2	2	2	2			
Vegetables one	4 020						15	15	15	15			
Vegetables two	300		1	1	1	1							
Fruits	1 440	5	5	5	5	5	5	5	5	5	5	5	5
Citrus	220	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Soybeans	1 548					6	6	6	6	6			
Groundnuts	1 002					4	4	4	4	4			
Rapeseed	2 880	10	10	10	10						10	10	10
Oil crops	109					0.4	0.4	0.4	0.4	0.4			
Sunflower	151					0.5	0.5	0.5	0.5	0.5			
Sesame	122					0.4	0.4	0.4	0.4	0.4			
Potatoes and other roots	291					1.1	1.1	1.1	1.1	1.1			
Pulses	89					0.3	0.3	0.3	0.3	0.3			
Sugarcane	240	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Sugar beet	93					0.3	0.3	0.3	0.3	0.3	0.3		
Cotton	1 335					5	5	5	5	5	5	5	
Tobacco	192				0.7	0.7	0.7	0.7	0.7				
Pasture permanent	574	2	2	2	2	2	2	2	2	2	2	2	2
Harvested irrigated crop area [AHI_{full}]	46 387												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	27 710	76	77	77	77	86	100	100	100	99	81	80	76
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	167												
Area equipped for full control irrigation [AEI_{full}]	33 299												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	83												
Total area equipped for irrigation [AEI_{tot}]													



CHINA - SOUTHEAST

(Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hubei, Hunan, Jiangsu, Jiangxi, Yunnan, Zhejiang)

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	4 472	23	23	23	23	23							
Rice one (Hsien)	12 910						66	66	66	66	66		
Rice two	8 250	42	42	42								42	42
Maize	1 554	8	8	8								8	8
Other cereals	541	3	3	3								3	3
Vegetables one	50	0.3	0.3	0.3	0.3								
Vegetables two	800					4	4	4	4				
Vegetables three	2 750									14	14	14	14
Fruits	1 200	6	6	6	6	6	6	6	6	6	6	6	6
Citrus	184	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Soybeans	1 290				7	7	7	7	7				
Groundnut	835				4	4	4	4	4				
Rapeseed	2 400	12	12	12								12	12
Sunflower	126				0.6	0.6	0.6	0.6	0.6				
Sesame	102				0.5	0.5	0.5	0.5	0.5				
Oil crops	91	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Potatoes and other roots	243				1	1	1	1	1				
Pulses	74				0.4	0.4	0.4	0.4	0.4				
Sugarcane	200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Sugar beet	77				0.4	0.4	0.4	0.4	0.4				
Cotton	635				3	3	3	3	3	3	3		
Tobacco	160				0.8	0.8	0.8	0.8	0.8				
Pasture permanent	478	2	2	2	2	2	2	2	2	2	2	2	2
Harvested irrigated crop area [AHI_{full}]	39 422												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	19 477	100	100	100	52	56	100	100	100	95	95	91	91
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	202												
Area equipped for full control irrigation [AEI_{full}]	22 252												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	88												
Total area equipped for irrigation [AEI_{tot}]													



CHINA - WEST

(Chongqing, Qinghai, Sichuan, Tibet, Xinjiang)

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	2 232	33	33	33	33						33	33	33
Rice (Hsien)	2 839					42	42	42	42	42			
Maize	906					14	14	14	14	14			
Other cereals	162					2	2	2	2	2			
Vegetables	1 080					16	16	16	16	16			
Fruits	360	5	5	5	5	5	5	5	5	5	5	5	5
Citrus	55	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Soybeans	387					6	6	6	6	6			
Groundnut	251					4	4	4	4	4			
Rapeseed	720	11	11	11	11						11	11	11
Sunflower	38					0.6	0.6	0.6	0.6	0.6			
Sesame	31					0.5	0.5	0.5	0.5	0.5			
Oil crops	27					0.4	0.4	0.4	0.4	0.4			
Potatoes and other roots	73					1.1	1.1	1.1	1.1	1.1			
Pulses	22					0.3	0.3	0.3	0.3	0.3			
Sugar beet	23					0.3	0.3	0.3	0.3	0.3	0.3		
Sugarcane	60	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Pasture permanent	144	2	2	2	2	2	2	2	2	2	2	2	2
Cotton	219					3	3	3	3	3	3	3	
Tobacco	48				0.7	0.7	0.7	0.7	0.7				
Harvested irrigated crop area [AHI_{full}]	9 677												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	6 706	53	53	53	54	100	100	100	100	100	57	57	53
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	144												
Area equipped for full control irrigation [AEI_{full}]	7 008												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	96												
Total area equipped for irrigation [AEI_{tot}]													



CHINA - TOTAL	2006 1000 ha
Harvested irrigated crop area [AHI_{full}]	95 486
Area equipped for full control irrigation actually irrigated [AAI_{full}]	53 892
Cropping intensity (%) = $100 \times [AHI_{full}]/[AAI_{full}]$	177
Area equipped for full control irrigation [AEI_{full}]	62 559
% of full control equipped actually irrigated = $100 \times [AAI_{full}]/[AEI_{full}]$	86

Narrative China

The area under agricultural water management is described by region: northeast (arid), southeast (semi arid) and west (humid). The information derives from the Ministry of Water Resources census (MWR, 2007/2006/2005). AEI_{full} and AAI_{full} for China are respectively 62 559 130 ha and 53 892 399 ha, of which 63 percent in the north and 37 percent in the south. AHI_{full} derives from AT 2050/2080 (FAO, 2011). The cropping intensity is 202 percent in the southeast where rice is by far the most important irrigated crop and the monsoon climate enables growing vegetables during the whole year. In the northeast, the cropping intensity is 167 percent while it is 144 percent in the west, resulting in a national intensity of 177 percent.

References

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