



REPUBLIC OF KOREA  
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	
	481					55	55	55	55	55				
Rice two	481	55	55	55								55	55	
Maize	5					0.6	0.6	0.6	0.6	0.6				
Vegetables	229					26	26	26	26	26				
Fruits	40	5	5	5	5	5	5	5	5	5	5	5	5	
Citrus	11	1	1	1	1	1	1	1	1	1	1	1	1	
Soybeans	52					6	6	6	6	6				
Potatoes	19					2	2	2	2	2				
Sweet potatoes	14					2	2	2	2	2				
Fodder temporary	12	1	1	1	1	1						1	1	
Tobacco	1					0.1	0.1	0.1	0.1	0.1				
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>1 345</b>													
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>880</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>7</b>	<b>98</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>6</b>	<b>62</b>	<b>62</b>
<b>Cropping intensity (%) = 100 x [AHI<sub>full</sub>]/[AAI<sub>full</sub>]</b>	<b>153</b>													
<b>Area equipped for full control irrigation [AEI<sub>full</sub>]</b>	<b>880</b>	*												
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>100</b>													
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>880</b>	* These areas refer to the year 2002												

**Narrative**

According to the 2003 statistical yearbook, AEI<sub>tot</sub> and AEI<sub>full</sub> are equal to 880 400 ha in 2002 (MIFAFF, 2003). AHI<sub>full</sub> of 1 345 000 ha in 2006 comes from AT 2050/2080 (FAO, 2011). The resulting cropping intensity is 153 percent. The main irrigated crop is rice (double cropping) with over 71 percent of AHI<sub>full</sub>. Some vegetables, soybeans, fruits (including citrus), potatoes and sweet potatoes, temporary fodder, maize and tobacco are also irrigated. Irrigation of temporary crops with single cropping occurs from May to September, except for temporary fodder whose cropping cycle starts in November for seven months.

**References**

FAO. 2011. *World agriculture: towards 2050/2080*. FAO, Global Perspective Studies Unit. Rome. (Internal document).

Ministry for Food, Agriculture, Forestry and Fisheries [MIFAFF]. 2003. *Agricultural and forestry statistical yearbook 2003*, Table B2, p. 41. Seoul, Agricultural Information and Statistics Bureau. Republic of Korea. Available at <http://www.maf.go.kr/>, accessed in June 2012.