

**Table 2. Water requirements (WR) and its components as well as actual consumptive use (Et<sub>a</sub>) of some rice varieties**

Months	1 <sup>st</sup> season 2012														
	Giza 178 (135 days)					Sakha 102 (125 days)					Sakha 104 (135 days)				
	E*, mm day <sup>-1</sup>	T, mm day <sup>-1</sup>	P, mm day <sup>-1</sup>	W.R, mm day <sup>-1</sup> (E+T+P)	ET <sub>a</sub> (E+T), mm day <sup>-1</sup>	E, mm day <sup>-1</sup>	T, mm day <sup>-1</sup>	P, mm day <sup>-1</sup>	W.R, mm day <sup>-1</sup> (E+T+P)	ET <sub>a</sub> (E+T), mm day <sup>-1</sup>	E, mm day <sup>-1</sup>	T, mm day <sup>-1</sup>	P, mm day <sup>-1</sup>	W.R, mm day <sup>-1</sup> (E+T+P)	ET <sub>a</sub> (E+T), mm day <sup>-1</sup>
July	4.7**	3.3	5.0	13.0	8.0	4.8	3.2	5.2	13.2	8.0	4.7	3.2	5.2	13.1	7.9
Aug.	4.5	2.4	5.0	11.9	6.9	4.5	2.3	5.0	11.8	6.8	4.7	2.6	4.8	12.1	7.3
Sept.	5.2	1.5	4.4	11.1	6.7	5.0	1.3	4.6	10.9	6.3	5.0	1.6	4.5	11.1	6.6
Oct.	3.3	1.0	1.1	5.4	4.3	3.1	0.9	2.0	6.0	4.0	3.1	1.1	1.8	6.0	4.2
seasonal, mm	488.4	228.5	444.0	1160.9	716.9	450.1	205.7	453.4	1109.5	655.8	484.6	237.0	460.2	1181.8	721.6
	2 <sup>nd</sup> season 2013														
July	4.8	3.0	5.2	13.0	7.8	4.9	3.3	5.1	13.3	8.2	4.8	3.0	5.0	12.8	7.8
Aug.	4.0	2.5	4.3	10.8	6.5	3.9	2.7	4.9	11.5	6.6	3.9	2.8	4.8	11.5	6.7
Sept.	3.1	1.7	4.1	8.9	4.8	3.2	1.4	4.5	9.1	4.6	2.8	1.8	4.7	9.3	4.6
Oct.	2.2	1.3	1.3	4.8	3.5	2.3	1.0	1.3	4.6	3.3	2.2	1.2	1.4	4.8	3.4
seasonal, mm	390.6	235.5	422.7	1048.8	626.1	372.5	224.8	437.6	1034.9	597.3	378.5	245.8	452.8	1077.1	624.3
	Mean of the two seasons														
July	4.7	3.2	4.4	13.0	7.9	4.3	3.2	5.1	13.1	8.1	4.7	3.1	5.1	13.0	7.8
Aug.	4.2	2.5	4.3	11.4	6.7	3.4	2.5	4.9	11.6	6.7	4.3	2.7	4.8	11.8	7.0
Sept.	4.2	1.6	4.0	10.0	5.8	3.3	1.3	4.6	10.0	5.5	3.9	1.7	4.6	10.1	5.6
Oct.	2.7	1.2	0.7	5.1	3.9	2.7	1.0	1.7	5.3	3.7	2.7	1.2	1.6	5.4	3.8
seasonal, mm	439.5	232.0	433.4	1104.9	671.5	411.3	215.3	445.5	1072.1	626.6	431.6	241.4	456.6	1129.6	673.0

\* E=Evaporation (mm day<sup>-1</sup>), T =Transpiration (mm day<sup>-1</sup>), P =Percolation (mm day<sup>-1</sup>), Eta =actual evapotranspiration (mm day<sup>-1</sup>)

\*\* The values were measured after transplanting up to harvesting process.