Modeling results

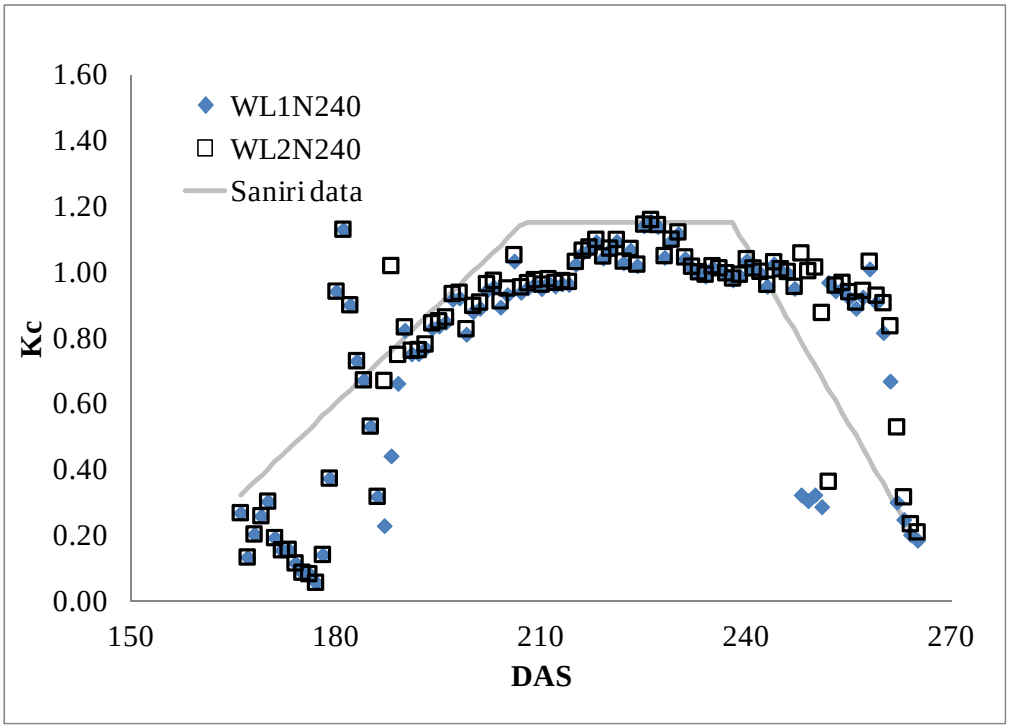

Figure 1. Crop coefficient dynamics during the growth of winter wheat for two different moisture and N application regimes (WL1N240, WL2N240) and SANIIRI data.

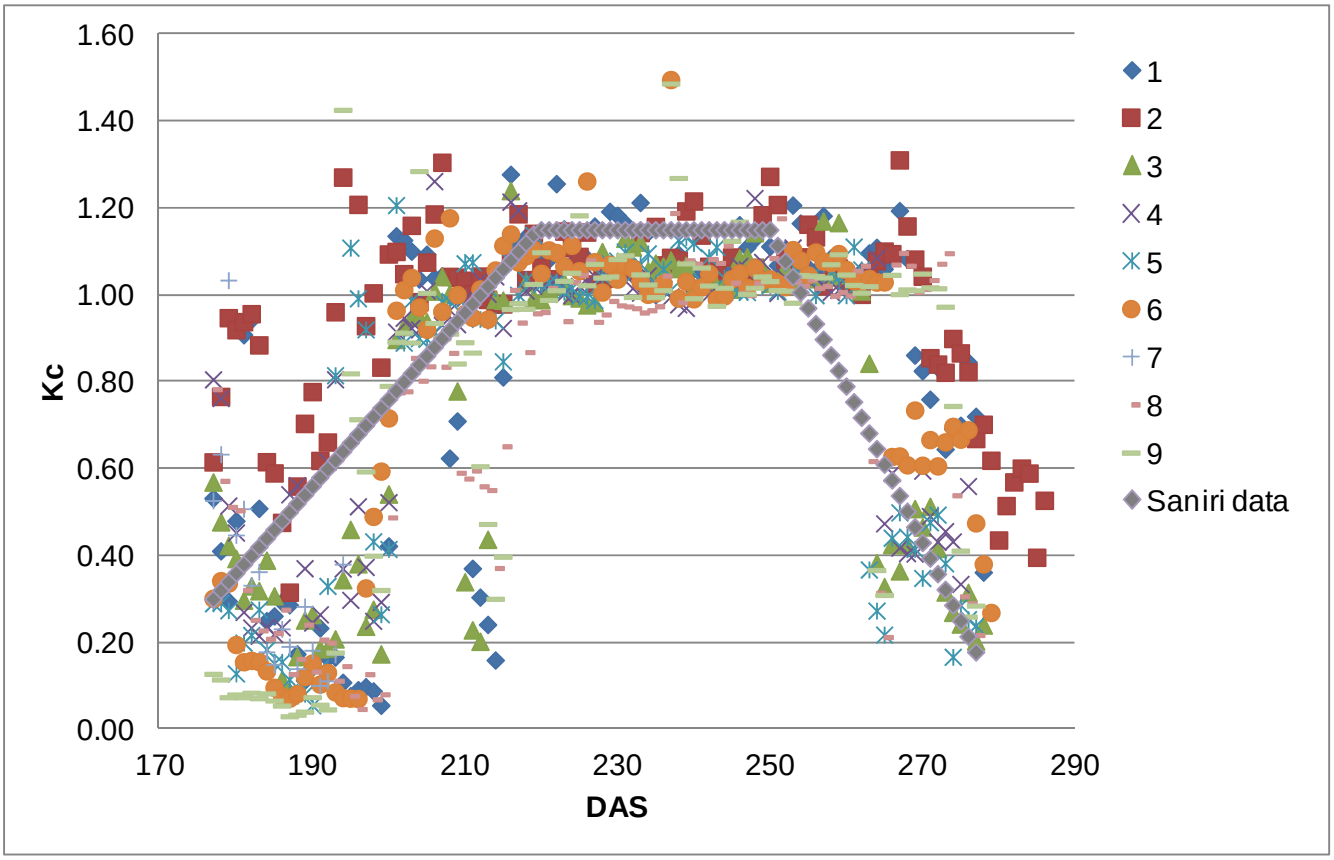

Figure 2. Crop coefficient dynamics during the growth of winter wheat for 9 seasons and SANIRI data

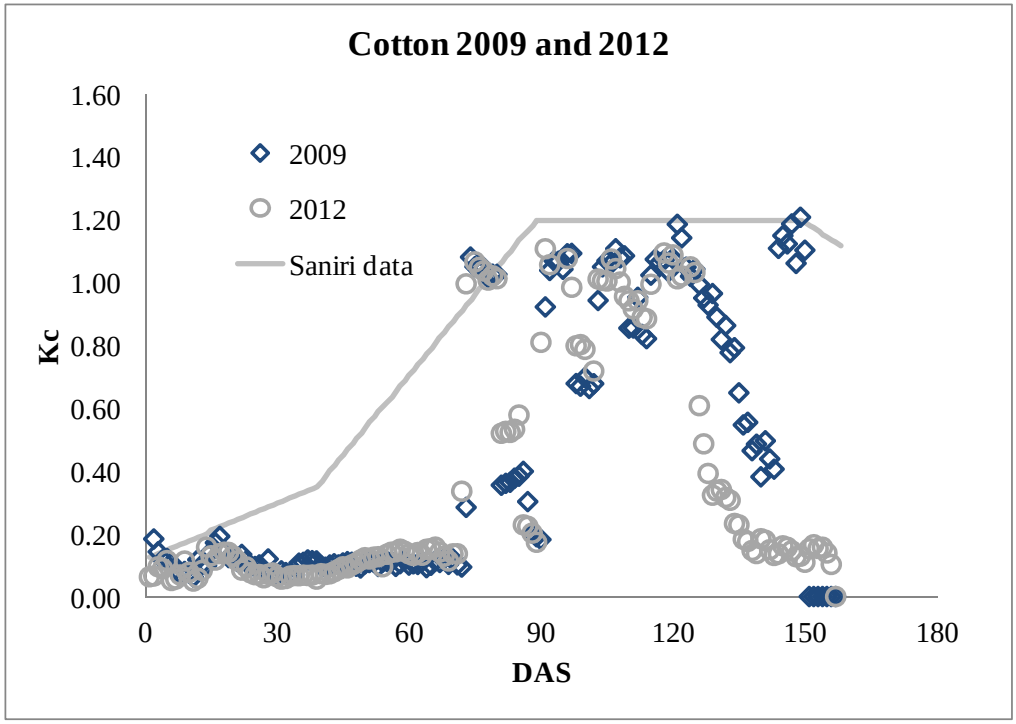

Figure 3. Crop coefficient dynamics during the growth of Cotton for two years and SANIRII data

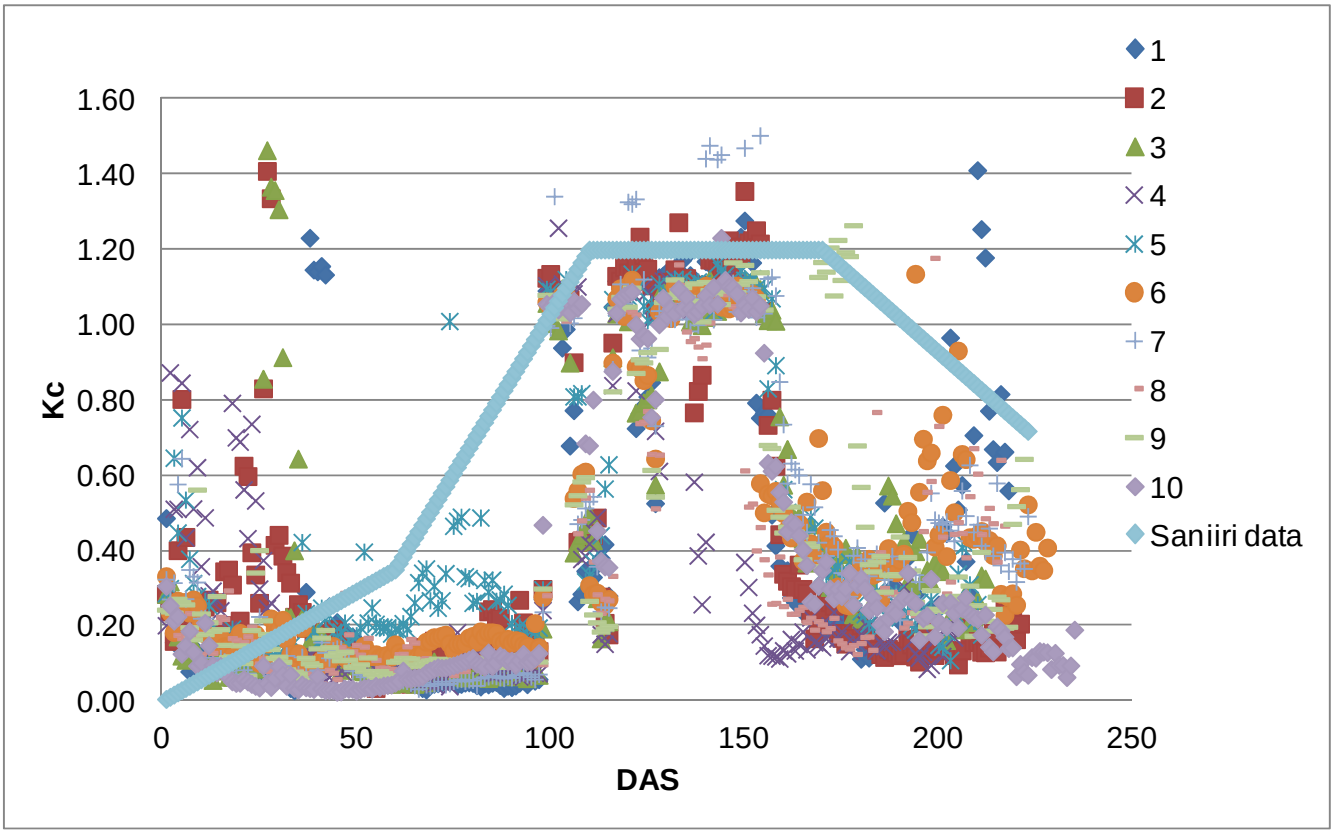

Figure 4. Crop coefficient dynamics during the growth of Cotton for 10 years and SANIRI data

Table. 1. Differences in above ground matter and grain of winter wheat of the empirical and with DSSAT-modeled findings under three soil moisture regimes. RMSE =431 for AGB, 134 for GY; RRMSE =3% for AGB, 2 % for GY.

	Irrigation, mm	AGB kg ha-1		GY kg ha-1	
		Measured	Simulated	Measured	Simulated
WL1N240 65-65-65%	521 mm (6)+	14164	14568	5370	5507
WL2N240 75-75-65%	469 mm (7)	15189	15645	5820	5690
RMSE		431		134	
RRMSE		3%		2%	

+ between brackets the number of irrigation events