

Assessment of Climate Change on Sunflower Production

Using the Aguacrop Model

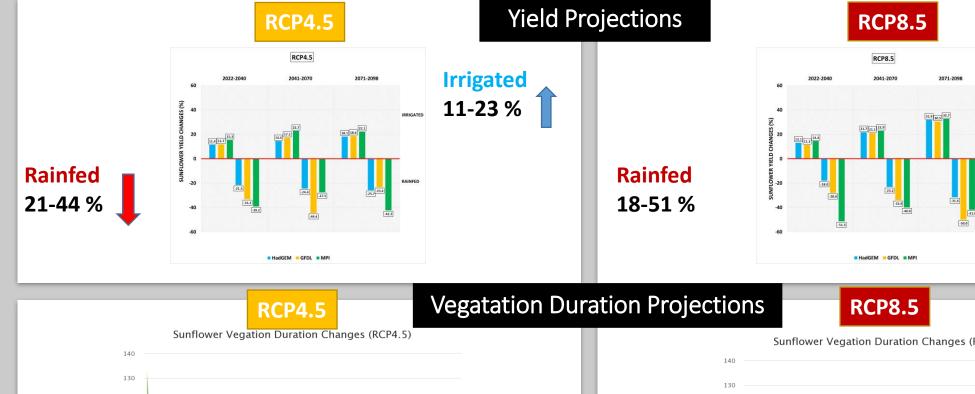
Using the Aquacrop Model in the Konya Basin of Türkiye

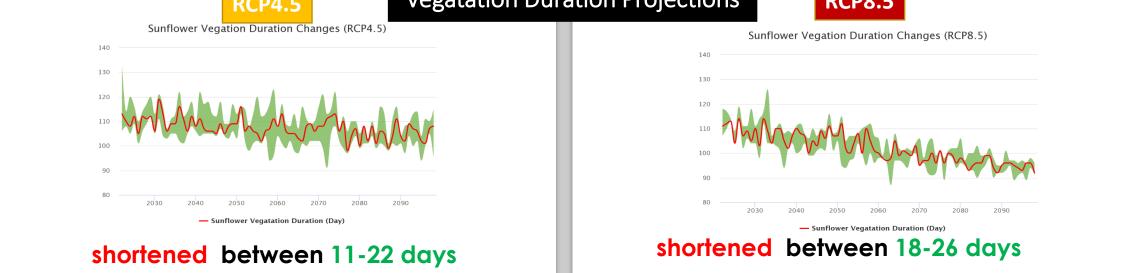
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Phenological growth stages	Observed	Simulated	Model Error (day)
Emergence (DAP)	18	13	-5
Starburst (DAP)	71	66	-5
Maturity (DAP)	133	127	-6

Statistical Analysis for Sunflower Yield											
Treatment	Year	RE (%)	RMAE	RMSE (kg/ha)	NRMSE (%)	d-Index	d1-Index	EF			
Rainfed	2015	-2.3	-0.24	45.12	2.10	0.97	0.87	0.91			
	2016	1.8									
Irrigated	2015	-12.8	-9.60	430.54	10.55						
	2016	-6.3									

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**Irrigated** 

10-33 %

## Poster Session 6.2



Thank you for your attention

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