

Supplementary material for “**Evaluation of Hydroclimatic Variability and Prospective Implementation of Irrigation Strategies in the U.S. Corn Belt**”

Maria Elena Orduña Alegria ¹, Niels Schütze ¹, Dev Niyogi ²

¹ Institute of Hydrology and Meteorology, Technische Universität Dresden, Bergstr. 66, 01069 Dresden, Germany

² Department of Agronomy and Department of Earth, Atmospheric, and Planetary Sciences, Purdue University, West Lafayette, IN, USA

Correspondence: maria_elena.orduna_alegria@tu-dresden.de

SII: Extensive simulation results for all study sites in the different initial soil moisture conditions (ISM).

■ S1_RF ■ S2_FI ■ S3_DI ■ S4_CFS ■ S5_ODT -▲- S6_ODTph -●- S7_GO

Figure SII.1. Results for site (W1) Kirksville, MO for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

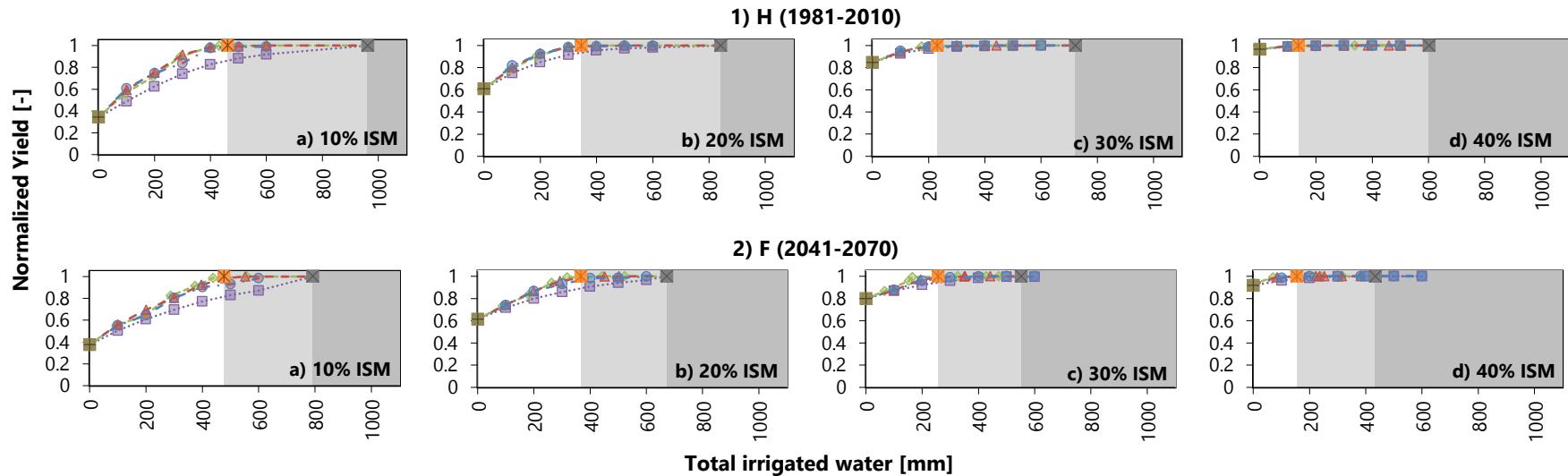


Figure SII.2. Results for site (**W2**) **Topeka, KS** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

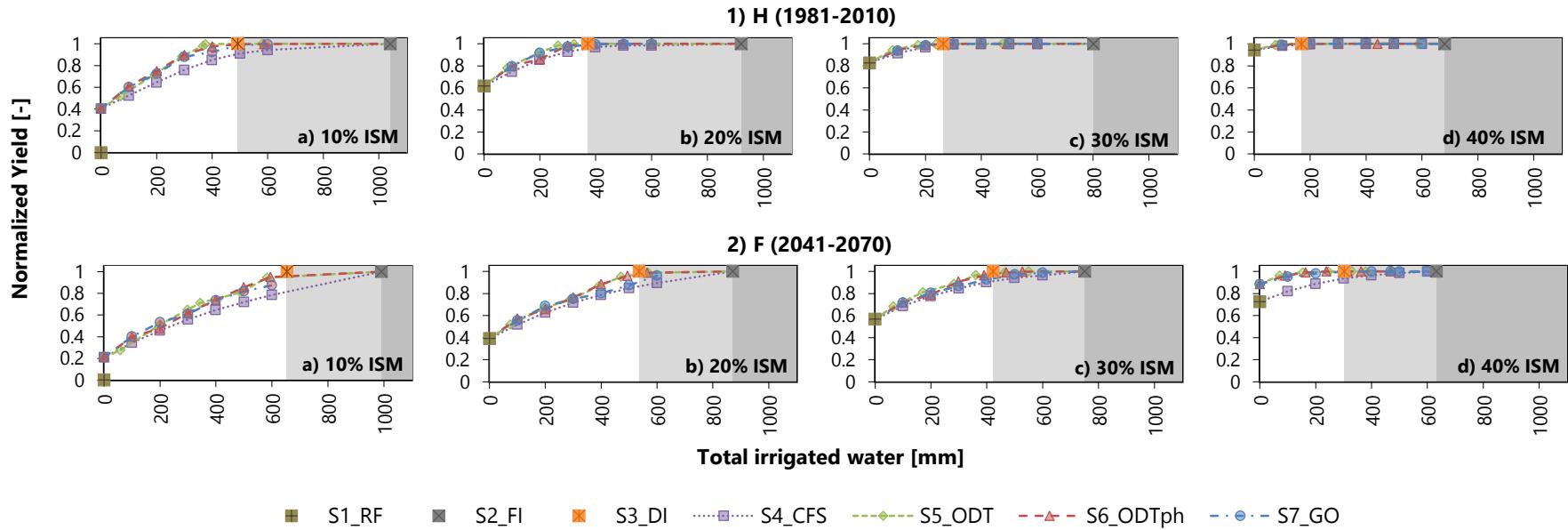


Figure SII.3. Results for site (**W3**) **New Madrid, MO** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

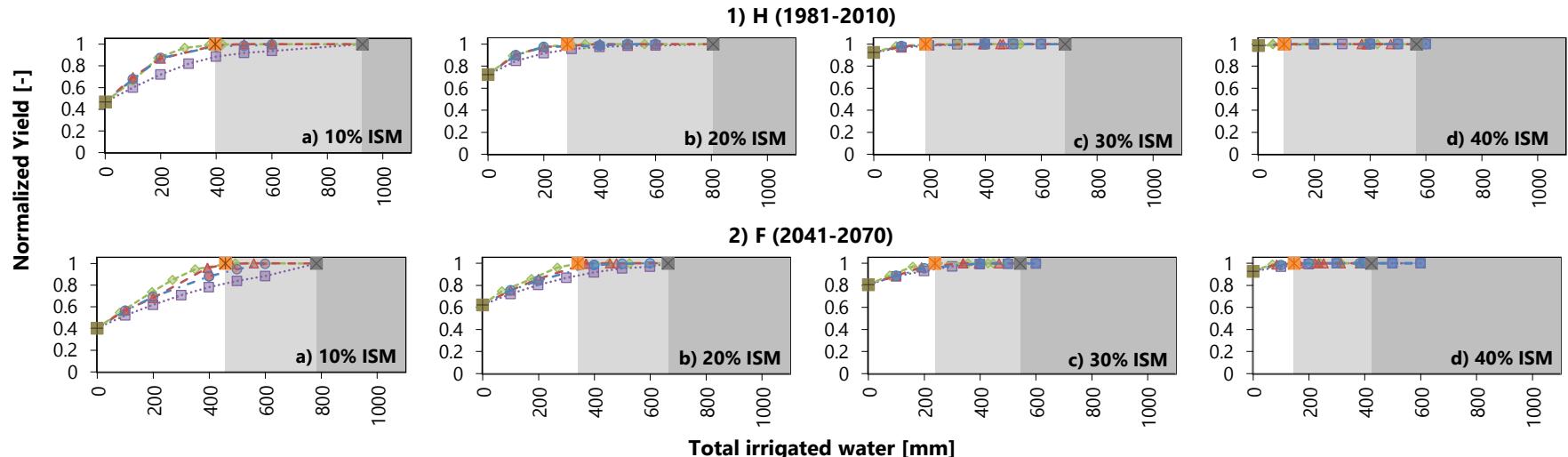


Figure SII.4. Results for site (**W4**) **Olivia, MN** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

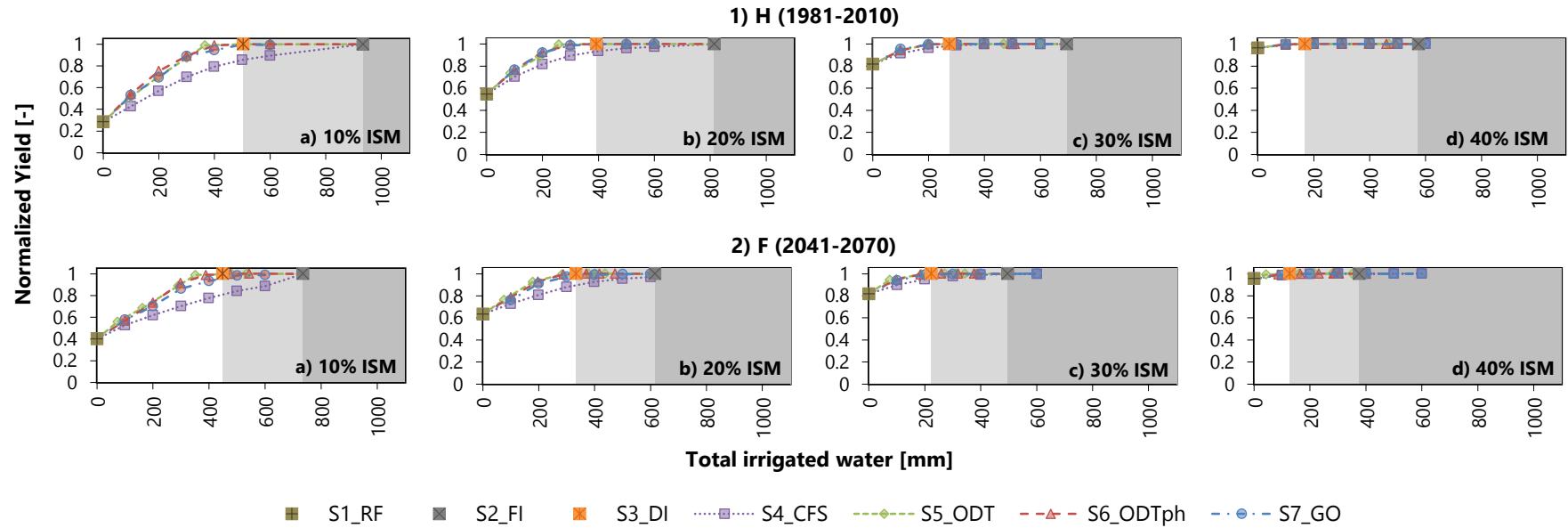


Figure SII.5. Results for site (**W5**) **Brookings, SD** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

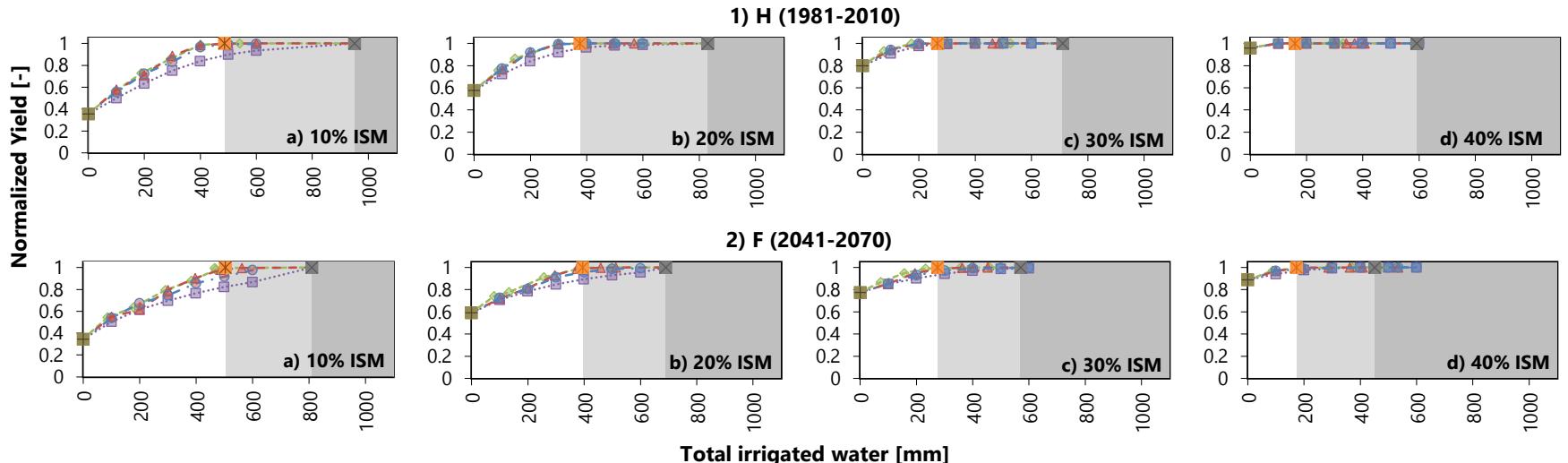


Figure SII.6. Results for site **(W6) Iowa City, IO** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

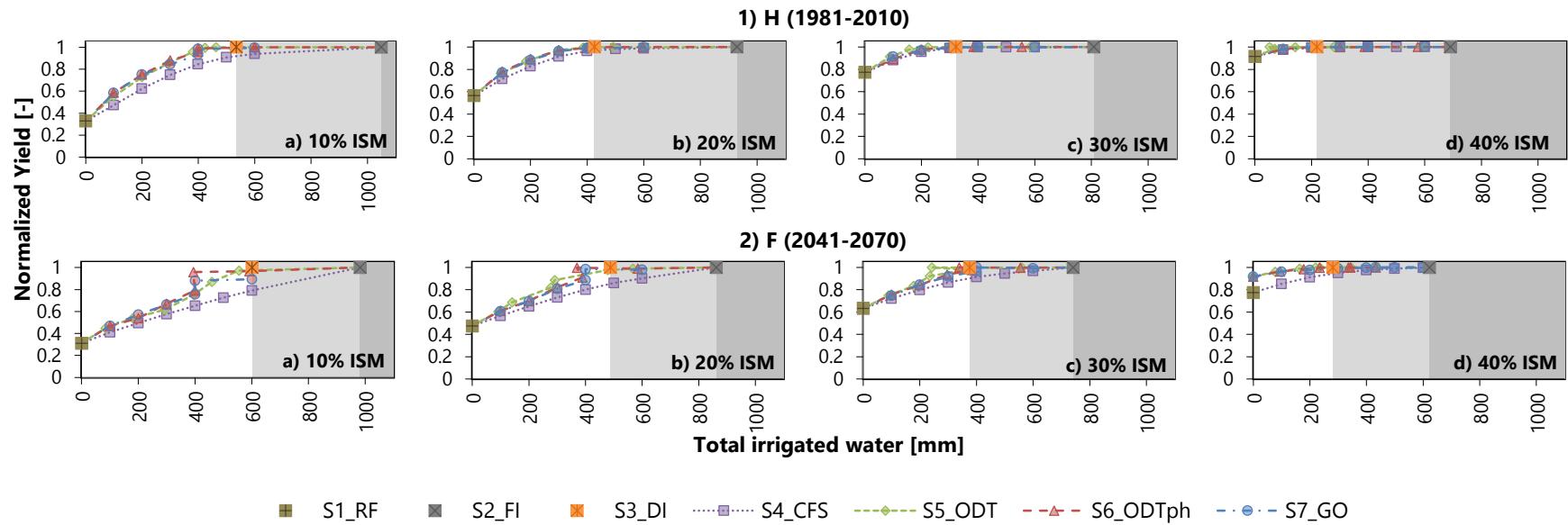


Figure SII.7. Results for site **(W7) Grand Forks, ND** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

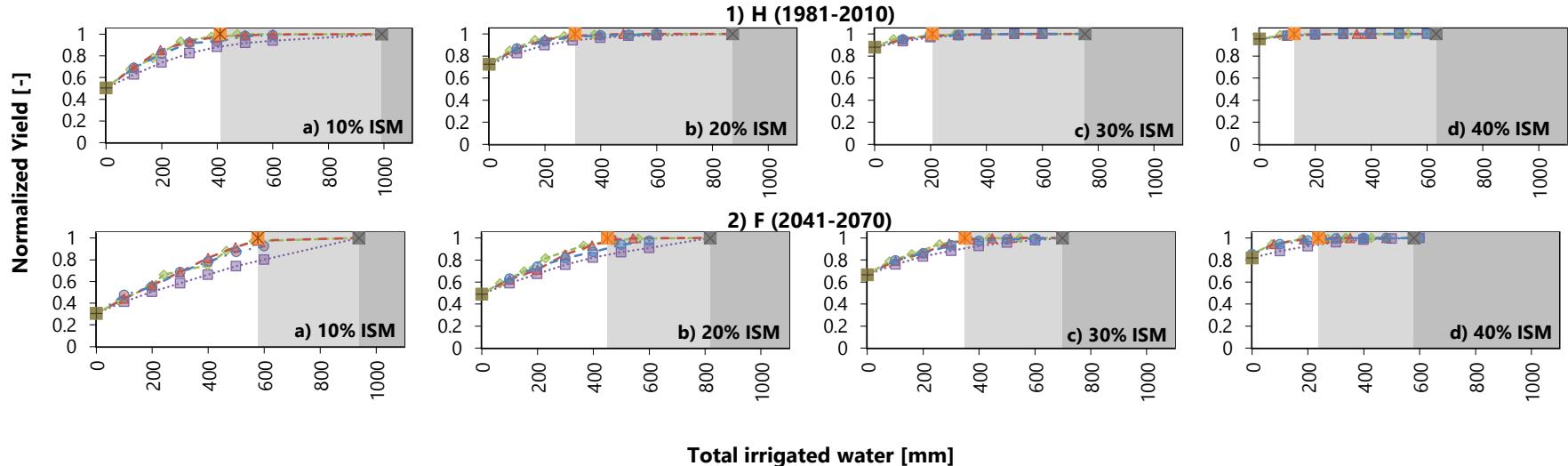


Figure SII.8. Results for site (**W8**) in **Columbus, NE** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

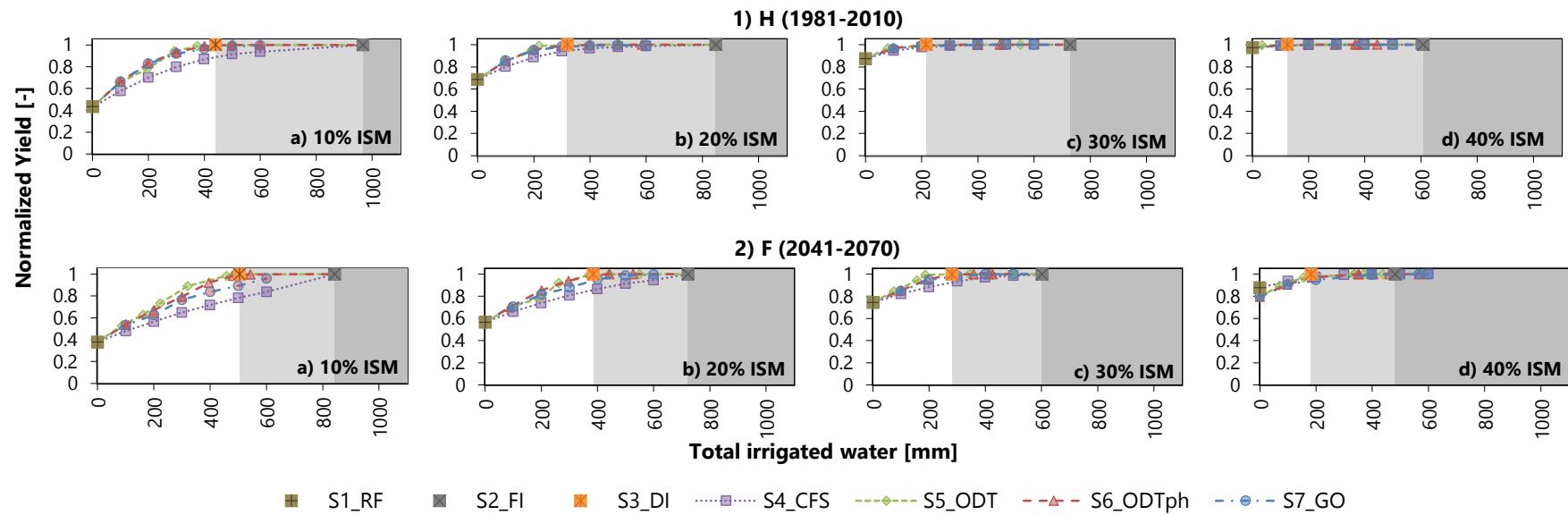


Figure SII.9. Results for site (**W9**) **Rochester, MN** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

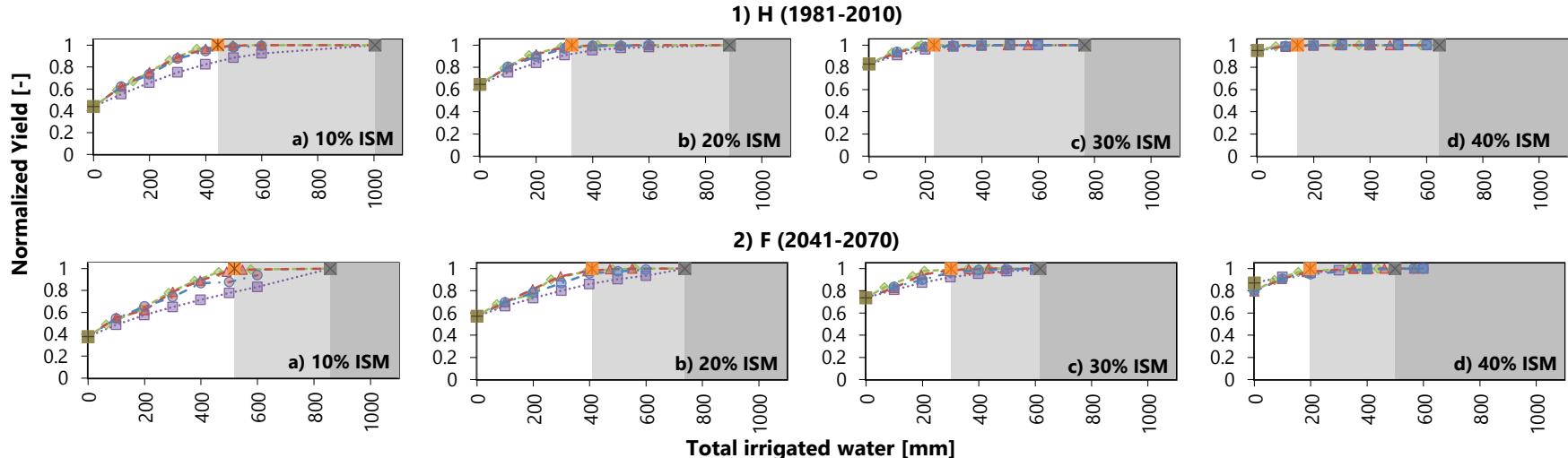


Figure SII.10. Results for site (**E1**) in **Marysville, OH** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

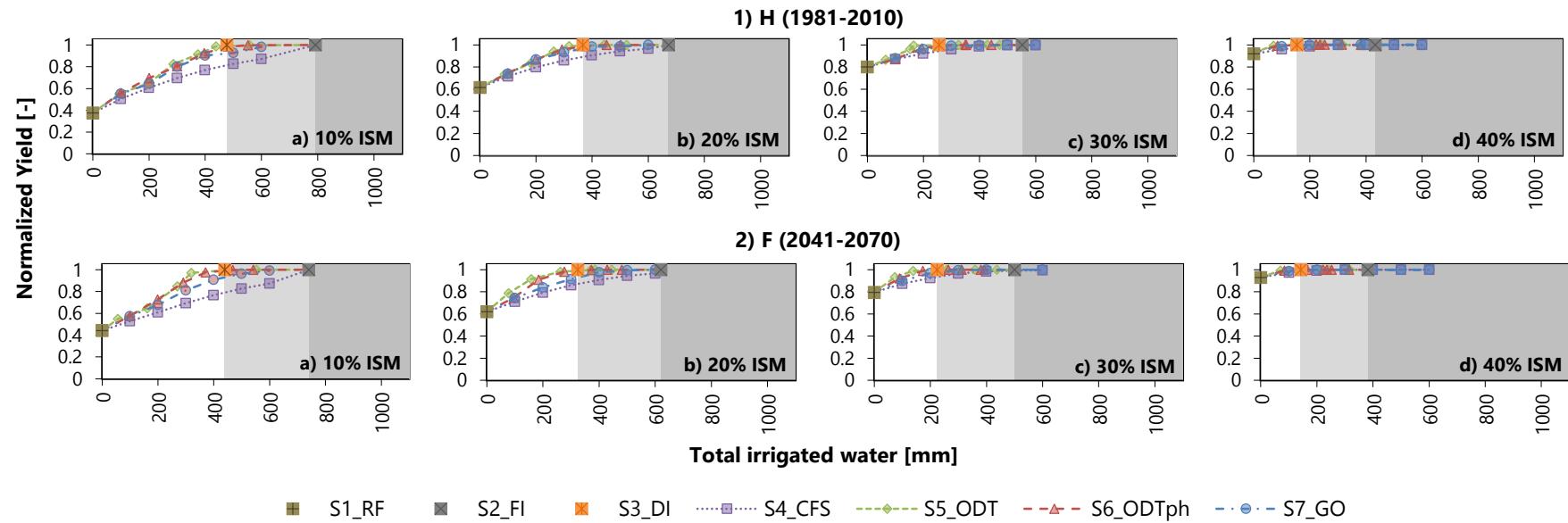


Figure SII.11. Results for site (**E2**) **Toledo, OH** for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

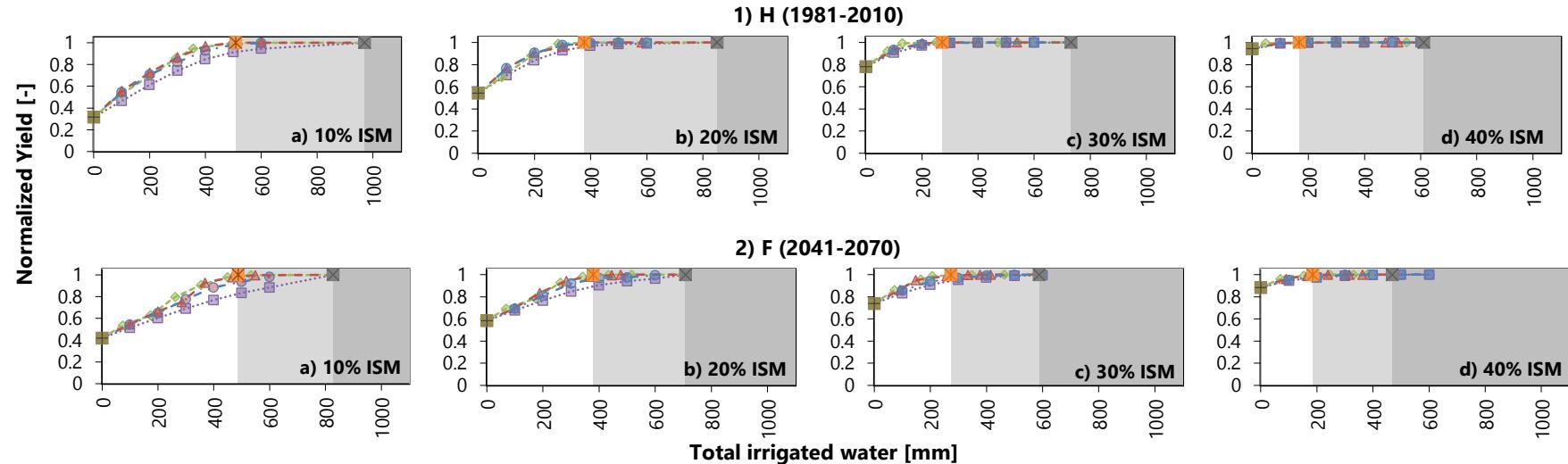


Figure SII.12. Results for site (E3) in Huntington, IN for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

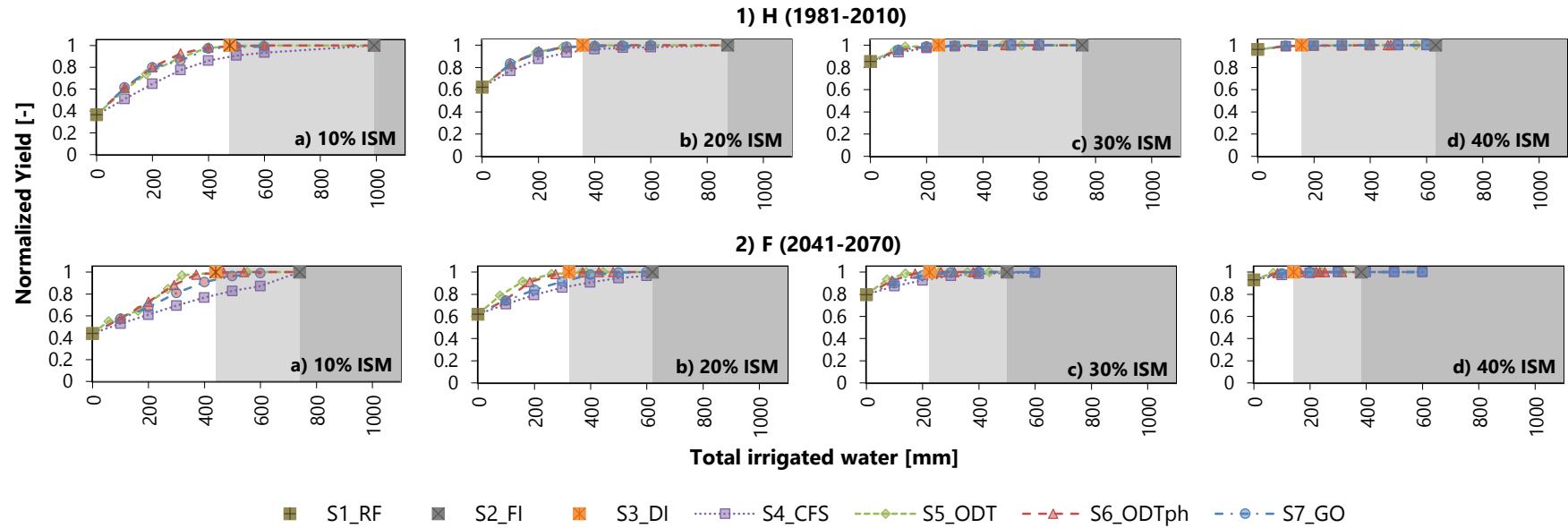


Figure SII.13. Results for site (E4) Baraboo, WI for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

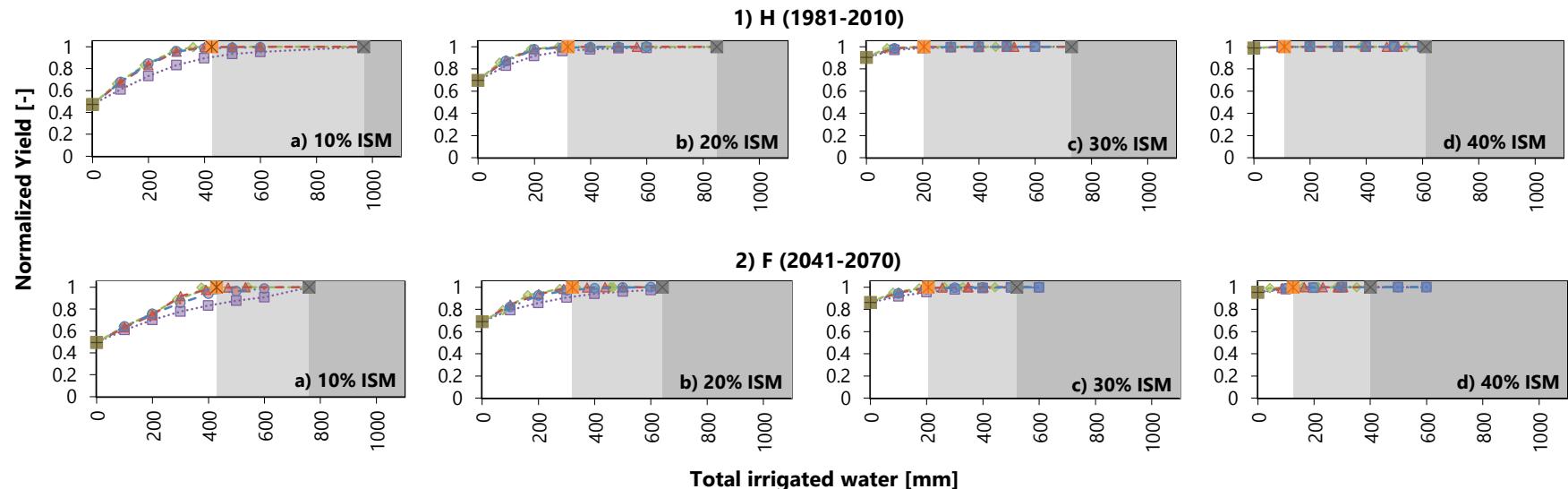


Figure SII.14. Results for site (**E5**) Dekalb, IL for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

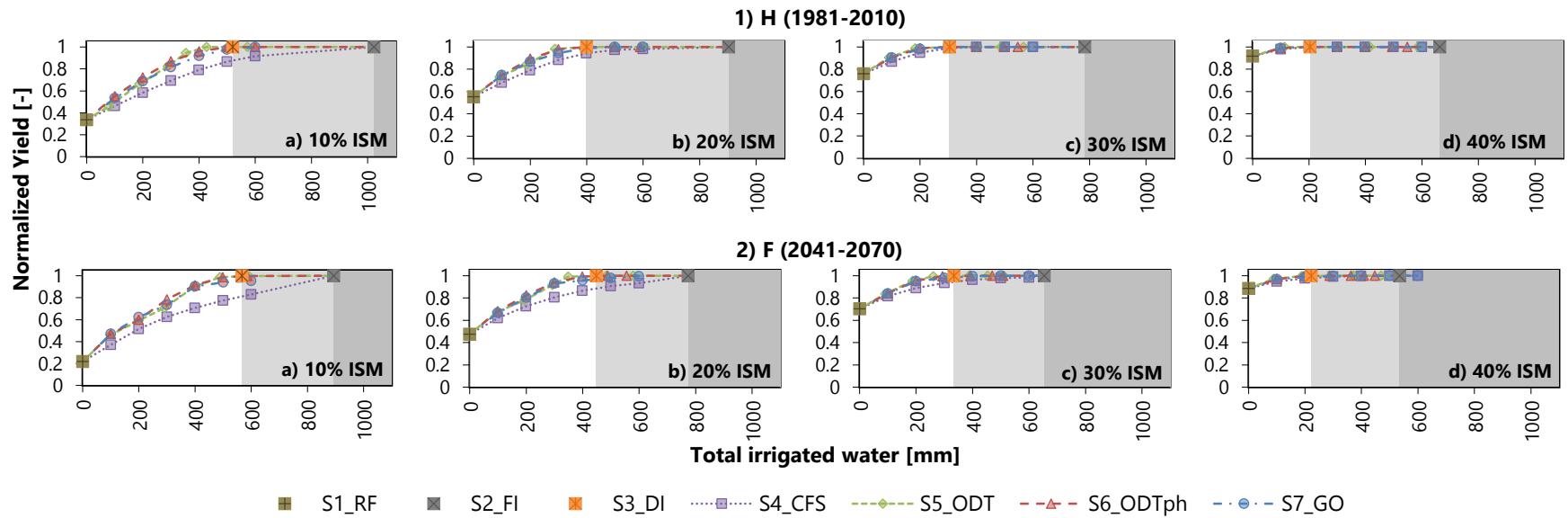


Figure SII.15. Results for site (**E6**) Beloit, WI for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

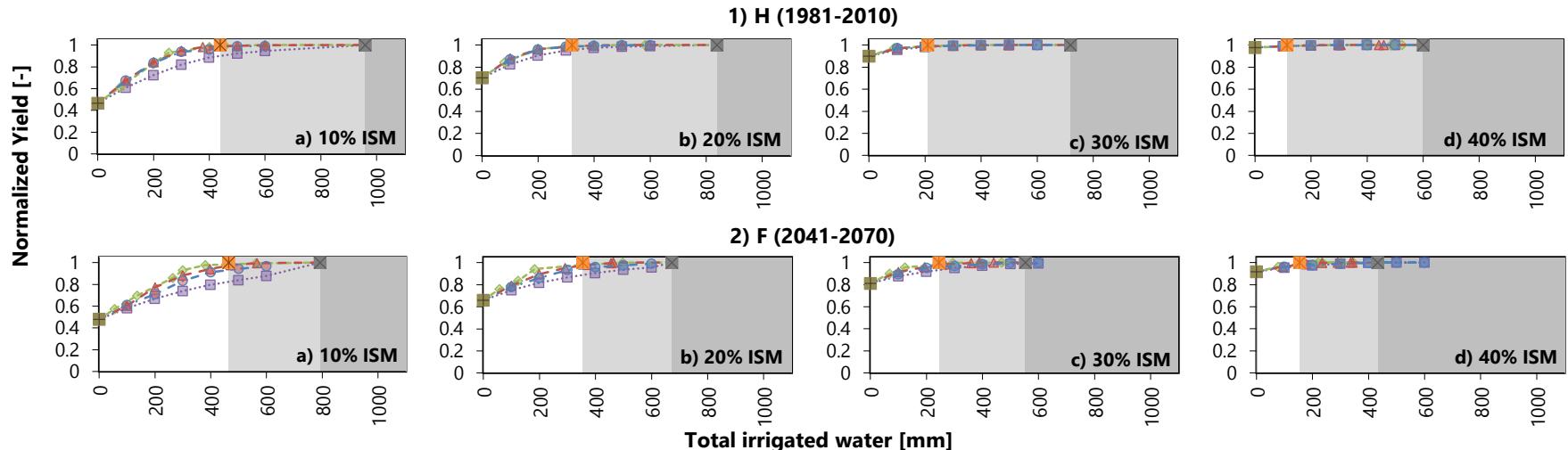


Figure SII.16. Results for site (E7) Rensselaer, IN for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

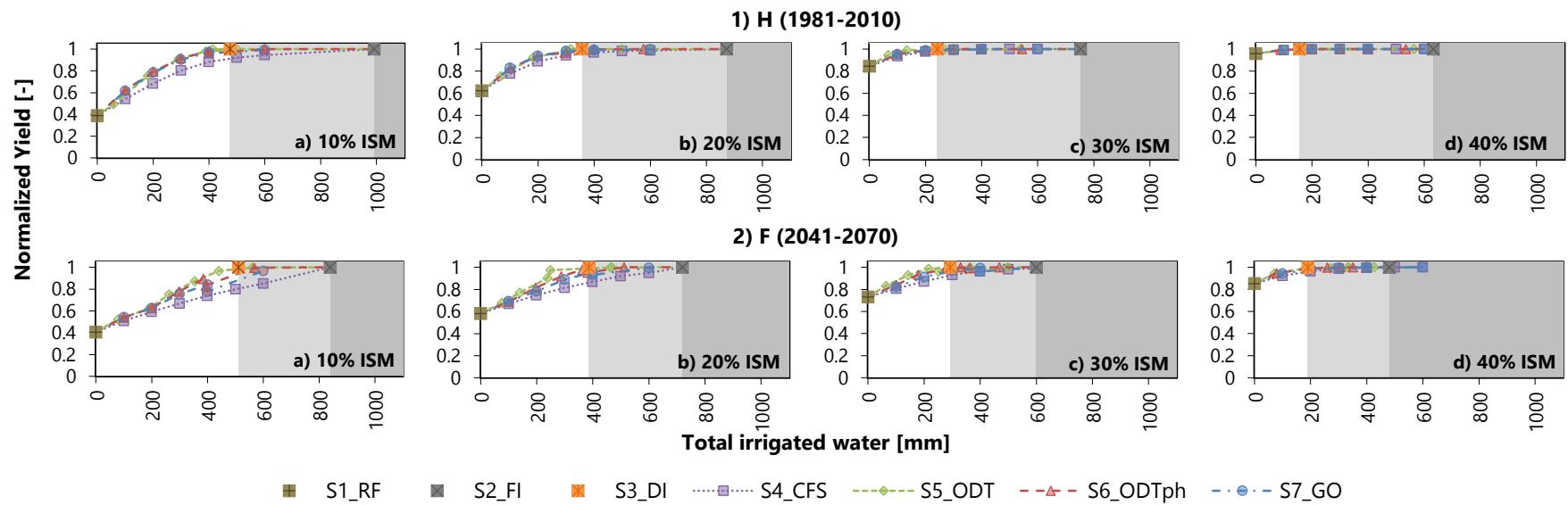


Figure SII.17. Results for site (E8) Tuscola, IL for 1) Historical (H) and 2) Future (F) climatic conditions for all the initial soil moisture evaluated.

