

Article title: Effects of climate change and adaptation options on winter wheat yield under rainfed Mediterranean conditions in southern Portugal

Journal: Climatic Change

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Online Resource 9. Simulated impacts of adaptation option of early sowings on (increase) the growth duration from germination to beginning of stem elongation or to beginning of grain-filling over future periods

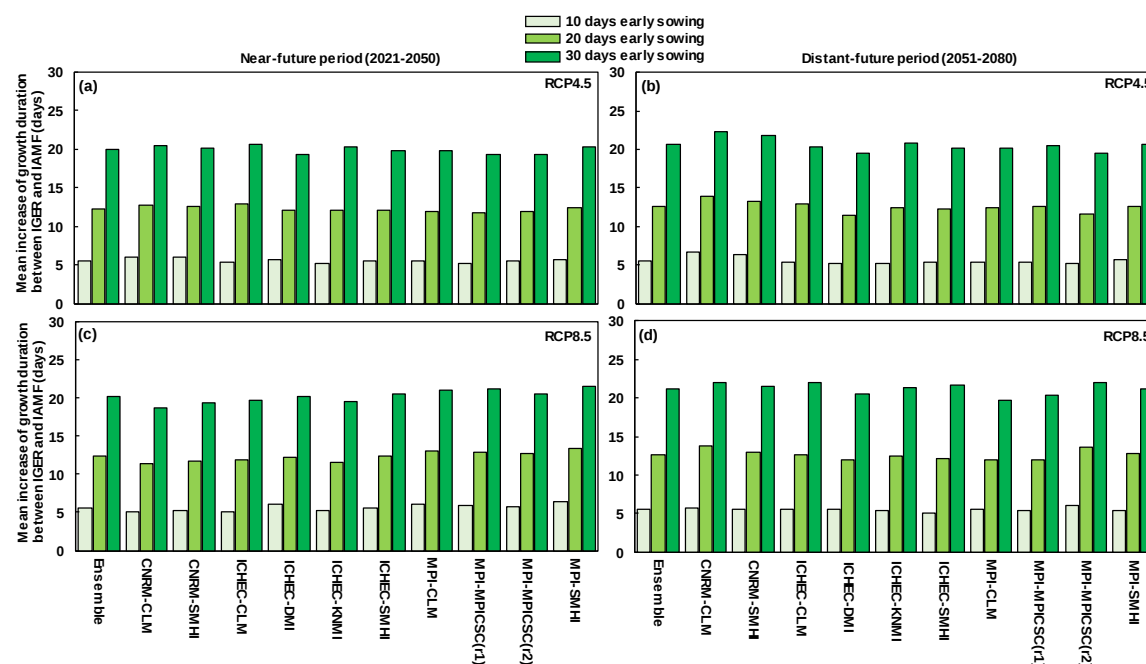


Fig. OR9.1. Effects of early sowings (10, 20 and 30 days earlier than the prescribed common sowing date) on extending the growth duration (days) between germination (IGER) and beginning of stem elongation (IAMF) over near-future (2021–2050) and distant-future (2051–2080) periods under (a, b) RCP4.5 and (c, d) RCP8.5 among all used GCM–RCM models (including ensemble mean) (Developmental process of fulfilling vernalization requirement generally occurs within this development stage)

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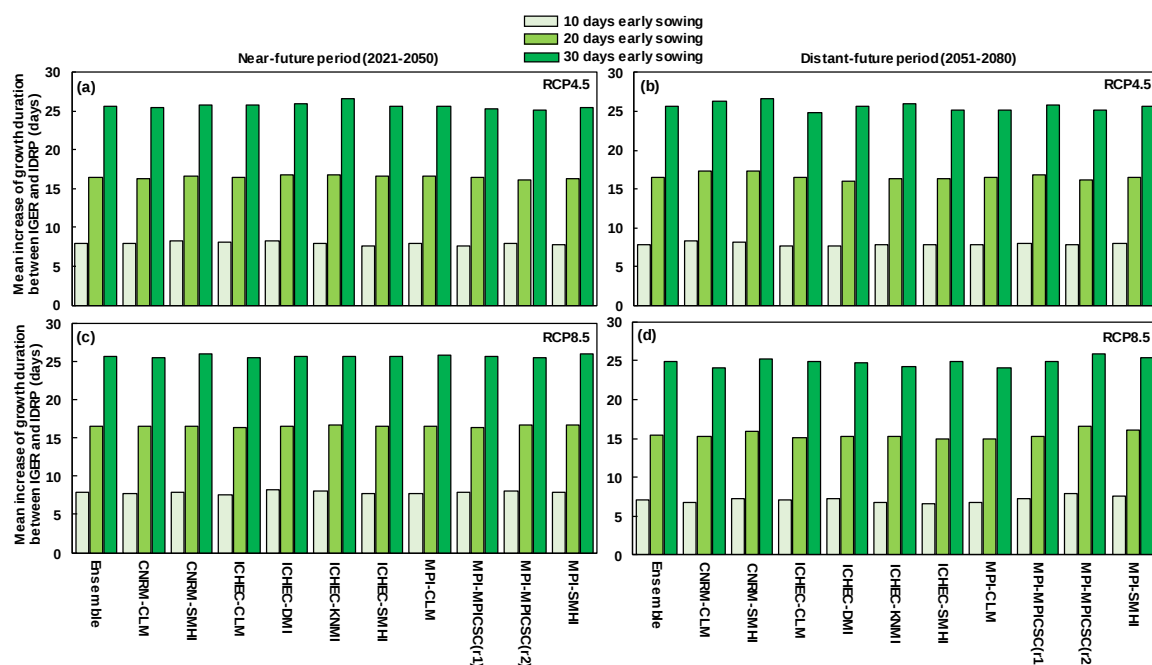


Fig. OR9.2. Effects of early sowings (10, 20 and 30 days earlier than the prescribed common sowing date) on extending the growth duration (days) between germination (IGER) and beginning of grain-filling (IDRP) over near-future (2021–2050) and distant-future (2051–2080) periods under (a, b) RCP4.5 and (c, d) RCP8.5 among all used GCM–RCM models (including ensemble mean)