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Climate changes and Dynamics of the Agricultural Productions in the Mediterranean Region

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Climate change has the potential to impact the agricultural sector. The impacts of climate change are likely to differ across producing regions of agricultural produce. Future climate scenarios may push some regions into climatic regimes favourable to agricultural production, with potential changes in areas planted with typical Mediterranean products. We examine which is the linkage between climate change and productivity levels in the selected agricultural sectors. Within the framework of agricultural supply response, we assume that acreage and yield are a function of climate change. We find that yield is affected by changes in temperatures and precipitations, with heterogeneous impacts. Acreage is also affected. The impacts vary across Mediterranean Regions, due to different specialisation and to the heterogeneity in climate between them.