

Sustainable management of perennial crops in the geographical distribution area of meadow brown soils on the example of super-intensive almonds (*prunus amygdalus avixor*)

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Sustainable management of perennial crops, in the particular geographic area, plays a key role to ensure environmental protection and long-term agricultural productivity.

In general, the modern world faces huge climate-related challenges, which also have direct and/or indirect impacts on sustainable agriculture. So, the existing risks, such as global warming, Greenhouse gas (GHG) emissions, and air pollution, indicate the importance of sustainable practices in the agricultural sector. Additionally, climate change may change the usefulness of a region for growing specific crops which, on the other hand, requires the implementation of effective strategies and practices to successfully respond to the current challenges. In the context of climate change, it is important to enhance the management of water resources, as well as to improve the integrated management systems of perennial crops to guarantee the resilience towards harmful insects.