



Influence of Irrigation and Water Use on Agronomic Traits of Crops— 2nd Edition

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Message from the Guest Editors

The shortage of water resources is the main factor restricting the sustainable development of agriculture. Irrigation measures can meet the huge gap between soil water supply and crop demand, effectively improving crop yield and land-use efficiency, so it is widely practiced in arid and semi-arid areas. There are complex interactions between crops and soil water. Crops adapt to different soil water conditions by changing the economic spectra of roots and leaves, matter allocation, and other agronomic traits to maintain a balance between survival and production. Understanding the effects of irrigation on crop agronomic traits is crucial for optimizing crop water management. However, due to the multi-dimensional complexity of irrigation effects on the aboveground and underground parts of crops, there are still some gaps in understanding the link between crop agronomic traits and the efficient use of irrigation water. We welcome any research that meets the objectives and scope of irrigation and crop agronomic traits.





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Message from the Editor-in-Chief

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