

Global salinization risk in irrigated areas

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Building a sustainable agricultural production system might be necessary for increasing population in the future. In this study, we focused on salinization which is one of the factors that threaten sustainable agricultural production in cropland, especially irrigated area. Throughout literature review in terms of salinization mechanism, we determined five factors which are soil type, dryness, irrigation method, groundwater use and groundwater level. Then risk areas of salinization were clarified. The high risk was shown more than 20% areas in irrigated areas. In almost 80% of the irrigated areas, there are some risk. Comparing with previous study, more detailed and more accurate risk of salinization were identified.

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