

Question 23 (4 marks)

How might the implementation of Australian land capability classification affect the profitability and sustainability of agricultural systems? 4

An Australian land capability ~~system~~ classification gives the farmer a clearer understanding of what their land is capable of use for. These depend on factors such as the physical characteristics of a soil, chemical classifications, slopes and topography and susceptibility to erosion. It is important that a farmer understands these classifications and how they can impact what they use their land for. For example, if the farmer tries to plant a wheat crop on a classification of 8 ~~it will result~~ ^{it will result} in a loss of profits for the farmer if the crop dies it also indicates to the farmer which land is most fertile and suitable for planting crops, ~~and~~ ~~also~~ to ensure this land is not wasted on other enterprises. Overall, the land capabilities classification assists farmers in making the most effective choices for land use which will increase efficiency, productivity and profitability. It is also much more environmentally sustainable if land is used for the appropriate purposes.