



Wheat cultivation with farmyard manure and compost application under dry spell conditions in Pakistan

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Summary

This technology describes the introduction of farmyard manure (FYM) and the application of compost for wheat production in the Ghotki district in Pakistan. FYM serves as balanced nutritional manure for plants, improves soil biodiversity and represents a cost-effective fertilisation strategy. Physical properties like bulk density, porosity, void ratio, water permeability and hydraulic conductivity were also significantly improved when FYM was applied.

Similarly, compost application increases the availability of essential micro- and macronutrients for the crop and can improve physical and chemical properties of the soils. The tiller, plant height and biomass were also significantly increased. Using compost and FYM helped farmers to increase yields, while contributing to decrease the use of chemical fertilizer and improving soil texture for successive crops.