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# An ICT driven intervention for transforming waste to wealth: methodic development and assessment of IVRI-Waste Management Guide App

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## Abstract

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Global waste production is pegging at unforeseen heights and alarming for its sustainable management.

Information and Communication Technologies (ICTs) can play an unequivocal role and warrants better

information dissemination to larger masses in a short span of time. Therefore, for developing a need-based and

effective mobile app, a study was conducted in Ludhiana district of Punjab on a randomly selected sample of 80

dairy farmers. The need was assessed and content was prioritized through the gap in knowledge, practices and

opinion among the respondents for management of organic waste. Based on results, ‘IVRI-Waste

Management Guide’ (WMG) App was designed and developed by ICAR-IVRI and ICAR-IASRI, to impart

information and knowledge to various stakeholders about organic waste management. The assessment of the app

was done in terms of knowledge enhancement regarding organic waste management, perceived utility of the app