



## Soil and groundwater sample characterization and agricultural practices for assessing food chain pathways in biosphere models

By -

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IntroductionAssessment of Food Chain Pathway Parameters in Biosphere Models has been established to assess and evaluate a number of key parameters used in the food-chain models used in performance assessments of radioactive waste disposal facilities. The objectives of the research program include: Provide data and information for the important features, events, and processes of the pathway models for use in biosphere computer codes. These codes calculate the total effective dose equivalent ( TEDE ) to the average member of the critical group and maximally exposed individual, for example, from radionuclides in the contaminated ground water release scenarios in NRCs performance assessments of waste disposal facilities and decommissioning sites, Reduce uncertainties in food-chain pathway analysis from the agriculture scenarios of biosphere models in performance assessment calculations, Provide better data and information for food-chain pathway analyses by: o Performing laboratory and field experiments, including integral and separate effect experiments,...

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