

Towards proactive environmental protection: the case of north Florida dairy farms and groundwater nitrogen pollution

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Stakeholders participated actively in the creation, development, and analyses of a whole-dairy-farm model that estimates the economic impacts of reducing nitrogen pollution. Results from applying the model to real farms indicated that dairies in north Florida could decrease between 9 and 25% their environmental impact without decreasing profitability. This potential environmental improvement depends on many factors. Climate conditions play an important role. Analyses should be pursued on an individual farm basis. Further research should include the process of diffuse the model use to stakeholders.

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