

Planet-Smart Dairy

The graphic for Planet-Smart Dairy features a black and white cow's head in the foreground, looking towards the viewer. The background is a composite image of a globe showing North America, with a California highway sign (a blue shield with a white cow head and the word "CALIFORNIA" in a red banner) placed over the map. The sky is a deep blue with stars and clouds.

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Considerations for Dairy Methane Reduction and Regulation

Importance of methane and the role of dairy digesters

“Cutting methane is the single biggest and fastest strategy for slowing down warming.”

Durwood Zaelce

Institute for Governance and Sustainable Development

“Quickly reducing methane could counteract global warming, while also improving air quality.”

IPCC report author

Maura Rojas Conradi

University of Chile

Source: Intergovernmental Panel on Climate Change (IPCC)

Digesters recognized by UN and leading environmental organizations

Targeted Measures

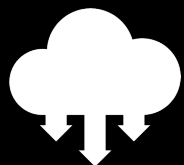
- **Improve animal health and husbandry:** reduce enteric fermentation in cattle, sheep and other ruminants through feed changes and supplements; selective breeding to improve productivity and animal health/fertility
- **Livestock manure management:** **treatment in biogas digesters;** decrease manure storage time; improve manure storage covering; improve housing systems and bedding; manure acidification

Efficiency Remains Key

Producing MORE



with less



45% Less GHGs



88% Less Water



Less Fossil Fuel



89% Less Land



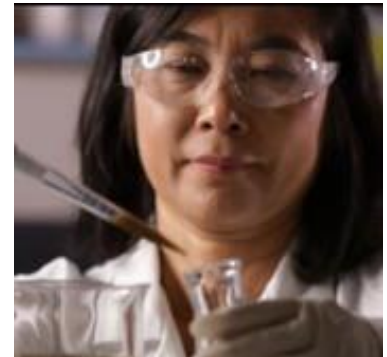
Less Energy



Less Fertilizer
and Pesticides



Proven Strategies for Reducing Dairy Methane



Efficiency



Methane Avoidance
(Alternative Manure Management)



Methane Capture & Utilization
(Digesters)



Enteric Methane Reduction



Research & Innovation

