

ALTERNATIVE MANURE MANAGEMENT PROGRAM

Request for Proposals: Consideration of New Management Practices for the Alternative Manure Management Program

Release date: July 6, 2020

Proposals Due: September 4, 2020 by 5:00 p.m. PT by email to

cdfa.oefi_ampp_tech@cdfa.ca.gov

Late submissions will not be considered.

CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE



Alternative Manure Management Program is part of [California Climate Investments](#), a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment — particularly in disadvantaged communities.

California Department of Food and Agriculture
Office of Environmental Farming and Innovation
1220 N Street
Sacramento, CA 95814

Background

The California Department of Food and Agriculture's (CDFA) [Alternative Manure Management Program](#) (AMMP) awards competitive grants to California dairy and livestock operations for technologies and specific management practices that result in long-term methane emission reductions and maximize environmental benefits. AMMP is funded by [California Climate Investments](#).

As part of the initial program development process, CDFA identified specific management practices¹ that are eligible for funding through AMMP. The California Air Resources Board (CARB) developed the [AMMP Quantification Methodology \(QM\) and AMMP Benefits Calculator Tool](#) to estimate greenhouse gas (GHG) emissions reduction and co-benefits achieved through the implementation of these practices.

Following stakeholder engagement, CDFA recognizes that there could be additional management practices that would further the program objective to reduce GHG emissions from California dairy and livestock operations. This request for new management practices for potential inclusion in the Alternative Manure Management Program outlines the requirements and evaluation process.

Proposal Submission Guidelines

All interested parties must submit proposals that adhere to the following guidelines:

- A submission must include the full name, organizational affiliation (if applicable) and contact information (phone number and email at a minimum) of the submitting individual or entity.
- Practices proposed for consideration must not be proprietary or involve the usage of exclusive, proprietary products, materials or equipment.
- Proposed new technologies must be ready to deploy on a commercial² scale.
- Proposals must include peer-reviewed and publicly available research literature in support of the practice(s) being proposed, demonstrating that implementing these practices will achieve measurable permanent methane GHG reduction benefits in California.
- Field study design and research findings submitted in support of the practice must be statistically sound and significant (e.g. randomized design with minimum three replicates).

¹ 2020 AMMP Request for Grants Application guideline document: https://www.cdfa.ca.gov/oefi/AMMP/docs/2020_AMMP_RGA.pdf (pp 6-7).

² *Commercially available technologies* are those having a proven operating history specific to the grant application. Such a system is based on established design and installation procedures and practices. For more detail see reference 1, p 28.

- Proposed practices involving addition of manure additives must include an analysis of environmental impacts and materials' safety, waste management and disposal procedures.
- CDFA encourages submissions to include life cycle assessment data for proposed manure management practices if available.
- CDFA encourages submissions to include additional published peer-reviewed data to demonstrate environmental co-benefits of proposed practices, if available.
- The proposal must be submitted in PDF format, single-spaced with font size of 11 or larger, and maximum three pages. The page limit does not include supporting information such as research papers and data.
- All proposals must be emailed to cdfa.oefi_ammp_tech@cdfa.ca.gov no later than 5:00 p.m. PT on September 4, 2020.

Evaluation Process

The evaluation process will involve multiple steps. Scientific staff at CDFA's Office of Environmental Farming and Innovation, in consultation with CARB and the AMMP Technical Advisory Committee (TAC) will evaluate submitted proposals for scientific soundness of the proposed practices and their potential to achieve quantifiable GHG reductions at California dairy and livestock operations. Additional opportunity for public comments on the shortlisted practices for consideration will be provided. QM development for a finalized list following consideration of public comments will take place in coordination with CARB. A tentative timeline for this process is outlined below:

Activity	Tentative Dates (subject to change)
Request for Proposals released	July 6, 2020
Proposals due	September 4, 2020
CDFA, CARB and AMMP TAC review	October – December, 2020
Public Comment Period	January 2021
Finalize list of practices and QM development	February – May 2021