



CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE
2026 Dairy Plus Program
Applications Submitted to CDFA

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** Total GHG emission reduction is estimated by the applicant and has not been verified.

#	Project Title	Application Category	Project Description*	County	GHG Emission Reduction Life of Project (MTCO ₂ e)**	Annual GHG Emission Reduction (MTCO ₂ e)**	Requested Grant Funds	Matching Funds	Primary Management Practice
1	Ackerman Dairy Inc. Advanced Solid-Liquid Separation Assist	Dairy Plus for DDRDP/DDRDP-like project	This project involves the installation and implementation of a second stage advanced solid liquid manure separation system assisted by flocculants. This system will integrate with our existing covered lagoon methane digester (funded through DDRDP) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve over all water quality. By developing these advanced climate smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure in the dairy industry.	Stanislaus	85,890	8,589	\$ 1,250,000.00	\$ 283,651.97	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
2	Alden Peterson & Sons Dairy	Dairy Plus for DDRDP/DDRDP-like project	The project will add post-digester vermifiltration to the existing manure management system. The project will treat digestate generated from manure collected by flush systems and routed through existing manure handling and anaerobic digestion infrastructure. Existing digester, biogas conditioning, and renewable natural gas infrastructure are outside the Dairy Plus funding request.	Stanislaus	33,898	3,390	\$ 1,249,995.00	\$ 147,465.00	Vermifiltration
3	Anchor J Dairy - Advanced Solid-Liquid Separation and Nutrient Recovery Project	Dairy Plus for AMMP/AMMP-like project	Anchor J Dairy proposes advanced solid-liquid separation assisted by flocculants to capture fine solids and nutrients beyond its existing baseline practice, improve manure-management water quality, and support verified on-farm reuse.	Merced	13,647	2,729	\$ 1,238,000.00	\$ -	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
4	Azevedo Dairy #4 Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for AMMP/AMMP-like project	This project involves the installation and implementation of a second-stage, advanced solid-liquid manure separation system assisted by flocculants. This system will integrate with our existing first-stage mechanical manure separator (funded through AMMP) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve overall water quality. By deploying these advanced climate-smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure within the dairy industry.	Merced	6,331	1,266	\$ 1,250,000.00	\$ 597,037.39	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
5	Blue Sky Dairy LP Vermifiltration Project	Dairy Plus for DDRDP/DDRDP-like project	Danny Agueda proposes installing a vermifiltration treatment system on Blue Sky Dairy LP to process the anaerobic digester effluent at the dairy. The dairy flushes manure from barns and the milking parlor and processes it through an anaerobic digester and the resulting digestate is stored in anaerobic effluent ponds. The ability of vermifiltration to remove solids and nutrients in combination with anaerobic digestion is well documented. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Merced	78,254	7,825	\$ 1,249,995.00	\$ 147,465.00	Vermifiltration
6	Blue Star Dairy	Dairy Plus for AMMP/AMMP-like project	Blue Star Dairy is proposing an AMMP/AMMP-like Dairy Plus project consisting of advanced solid-liquid separation assisted by flocculants and/or bead filters. The proposed advanced practice is Lagoon Water Recovery's (LWR) First Wave solid-liquid separation system, with Figure 8 Environmental serving as the project vendor for system deployment and technical support. The First Wave system uses polymer-assisted separation to bind fine suspended particles remaining in the liquid waste stream following primary separation.	Stanislaus	20,178	4,036	\$ 1,250,000.00	\$ 811,451.97	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
7	Bosch Dairy Farms LP Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Bernard and Laura Bosch propose installing a vermifiltration treatment system on Bosch Dairy Farms LP to process the daily liquid manure collected from the dairy. The dairy flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Tulare	11,990	2,398	\$ 1,249,995.00	\$ 1,127,252.00	Vermifiltration
8	BV Dairy Vermifiltration Project	Dairy Plus for DDRDP/DDRDP-like project	John Bidart proposes installing a vermifiltration treatment system on BV Dairy to process the effluent of the dairy's anaerobic digester. The dairy flushes manure from barns and the milking parlor and processes it through an anaerobic digester, and the resulting digestate is stored in anaerobic effluent ponds. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. The ability of vermifiltration to remove solids and nutrients in combination with anaerobic digestion is well documented and once the proposed vermifiltration system is operational, only a fraction of the residual volatile solids and of the nitrogen collected daily in liquid manure will enter the effluent ponds. As a result, vermifiltration will significantly reduce the methane and ammonia emitted from the anaerobic effluent ponds. The vermifiltration-treated water will be used for irrigation, decreasing the application of nitrogen to surrounding crop fields and consequent nitrous oxide emissions and risks of groundwater pollution. Additionally, the use of a vermifilter will decrease odors and will transform the manure into a nutrient-rich vermicompost that recovers valuable manure nutrients, increases soil health, and adds carbon to crop soils.	Kern	65,772	6,577	\$ 1,249,995.00	\$ 147,465.00	Vermifiltration
9	BWC Weststeyn Dairy LP Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for AMMP/AMMP-like project	This project involves the installation and implementation of a second stage advanced solid liquid manure separation system assisted by flocculants. This system will integrate with our mechanical separator project (AMMP like project) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve over all water quality. By developing these advanced climate smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure in the dairy industry.	San Joaquin	34,566	6,913	\$ 1,250,000.00	\$ 947,883.38	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
10	Capstone Ranch GP Centrifuge Solid-Liquid Separation Project	Dairy Plus for AMMP/AMMP-like project	Capstone Ranch GP proposes to install a Centrisys CS26-4 DT 2Ph decanter centrifuge system to improve solid-liquid manure separation at the facility. The proposed system will include the centrifuge, screw conveyor, vertical wet-well chopper pump, flow monitoring, and associated controls. Manure will be conveyed to the centrifuge, where centrifugal force will separate suspended manure solids from the liquid waste stream. Separated solids will be conveyed for subsequent management, while the separated liquid will continue through the facility's manure management system. The project will increase solid-liquid separation efficiency, reduce organic solids loading to downstream liquid manure storage, and improve overall manure and nutrient management at Capstone Ranch.	Madera	35,951	7,190	\$ 1,250,000.00	\$ 371,174.74	Advanced Solid-Liquid Separation Through Centrifuge
11	Cross A Dairy LP Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for AMMP/AMMP-like project	Preserving a legacy through innovation and environmental stewardship, Cross A Dairy's Dairy Plus project involves the installation and implementation of a second stage advanced solid liquid manure separation system assisted with flocculants. This system will integrate the dairy's mechanical separator project (AMMP like project) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve over all water quality. By developing these advanced climate smart manure management technologies, the dairy aims to demonstrate measurable environmental fits and promote the adoption of sustainable infrastructure in the dairy industry.	Stanislaus	21,529	4,306	\$ 1,250,000.00	\$ 509,351.97	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
12	Dixie Creek Dairy Bioflocculation Project	Dairy Plus for DDRDP/DDRDP-like project	Dixie Creek Dairy in Hanford, Kings County will construct a lined, aerated bioflocculation basin between its existing anaerobic digester and its storage lagoon. Aerobic bacteria already present in the digester effluent, supplied with dissolved oxygen, produce natural polymers that bind the fine suspended particles the digester leaves behind into flocs heavy enough to settle within hours. No polymer, alum or other chemical flocculant is purchased or applied. Capturing that fraction before the effluent reaches the storage pond reduces the solids load carried into storage, returns cleaner water to the dairy, reduces odor from stored slurry, reduces the nitrogen loading that reaches groundwater in a Priority 1 nitrate management zone, and lowers greenhouse gas emissions by keeping volatile solids out of the open pond. It is an addition to an operating digester; no digester or biogas equipment is modified or funded.	Kings	306,661	30,666	\$ 1,250,000.00	\$ -	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters

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13	Edwin Brasil Dairy Inc. (dba Udder Dairy)	Dairy Plus for DDRDP/DDRDP-like project	Lilian Brasil proposes installing a vermifiltration treatment system on Edwin Brasil Dairy Inc. (dba Udder Dairy) to process the effluent of the dairy's anaerobic digester. The dairy flushes manure from barns and the milking parlor and processes it through an anaerobic digester, and the resulting digestate is stored in anaerobic effluent ponds. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Tulare	76,685	7,669	\$ 1,249,995.00	\$ 147,465.00	Vermifiltration
14	F7S Brasil - Advanced Solid-Liquid Separation & Nutrient Recovery Project	Dairy Plus for AMMP/AMMP-like project	F&S Brasil proposed advanced solid-liquid separation assisted by flocculants to capture solid and nutrients beyond existing screens.	Kings	7,239	1,448	\$ 1,240,000.00	\$ -	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
15	Flint Dairy Inc., Vermifiltration Project	Dairy Plus for DDRDP/DDRDP-like project	Lucas Wilgenburg proposes installing a vermifiltration treatment system on Flint Dairy LP to process the effluent of the dairy's anaerobic digester. The dairy flushes manure from barns and the milking parlor and processes it through an anaerobic digester, and the resulting digestate is stored in anaerobic effluent ponds. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. The ability of vermifiltration to remove solids and nutrients in combination with anaerobic digestion is well documented and once the proposed vermifiltration system is operational, only a fraction of the residual volatile solids and of the nitrogen collected daily in liquid manure will enter the effluent ponds. As a result, vermifiltration will significantly reduce the methane and ammonia emitted from the anaerobic effluent ponds. The vermifiltration-treated water will be used for irrigation, decreasing the application of nitrogen to surrounding crop fields and consequent nitrous oxide emissions and risks of groundwater pollution. Additionally, the use of a vermifilter will decrease odors and will transform the manure into a nutrient-rich vermicompost that recovers valuable manure nutrients, increases soil health, and adds carbon to crop soils.	Kings	67,810	6,781	\$ 1,249,995.00	\$ 147,465.00	Vermifiltration
16	Four Star Dairy LP Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Mario Mattos proposes installing a vermifiltration treatment system on Four Star Dairy LP to process the daily liquid manure collected from the dairy. The dairy flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The proposed vermifiltration project will allow the dairy to update current manure management and implement a vermifiltration system. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the long-term storage lagoon. Therefore, vermifiltration will significantly reduce the methane and ammonia emitted from the anaerobic long-term storage as well as the nitrous oxide emitted when lagoon water is used to irrigate crops. The vermifiltration-treated water will be used for irrigation, decreasing the application of nitrogen to surrounding crop fields and consequent risks of groundwater pollution. Additionally, the use of a vermifilter will decrease odors and will transform the manure into a nutrient-rich vermicompost that recovers valuable manure nutrients, increases soil health, and adds carbon to crop soils.	Tulare	53,462	10,692	\$ 1,249,995.00	\$ 2,283,592.00	Vermifiltration
17	Frank N Rocha Dairy	Dairy Plus for AMMP/AMMP-like project	Frank N. Rocha Dairy is proposing an AMMP/AMMP-like Dairy Plus project consisting of advanced solid-liquid separation assisted by flocculants and/or bead filters. The proposed advanced practice is Lagoon Water Recovery's (LWR) First Wave solid-liquid separation system, with Figure 8 Environmental serving as the project vendor for system deployment and technical support. The First Wave system uses polymer-assisted separation to bind fine suspended particles remaining in the liquid waste stream following primary separation.	San Joaquin	55,457	11,091	\$ 1,250,000.00	\$ 976,470.82	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
18	Idsinga Dairy Weeping Wall Project	Dairy Plus for AMMP/AMMP-like project	This project proposes a two-cell weeping wall solid-liquid separation system at Bill Idsinga Dairy. The weeping wall captures manure solids as slurry gravity drains through slotted concrete walls, with the two-cell design allowing one cell to dewater while the other is emptied for continuous operation. By removing solids before manure enters liquid storage, the project reduces the organic loading that drives methane generation, lowering greenhouse gas emissions. Solids separation also improves nutrient management and protects water quality by producing a drier, transportable solid fraction and a lower-solids effluent for more precise land application. These outcomes advance the Dairy Plus Program's goals of reducing methane emissions and improving manure and nutrient management at California dairies.	Kings	5,213	1,043	\$ 1,150,000.00	\$ 29,562.00	Weeping Wall (Minimum of 2 Cells)
19	Joe Meirinho Dairy Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for AMMP/AMMP-like project	This project involves the installation and implementation of a second-stage, advanced solid-liquid manure separation system assisted by flocculants. This system will integrate with our existing first-stage mechanical manure separator (funded through AMMP) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve overall water quality. By deploying these advanced climate-smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure within the dairy industry.	Stanislaus	13,610	2,722	\$ 1,250,000.00	\$ 50,583.97	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
20	Joe Parreira Dairy Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for AMMP/AMMP-like project	This project involves the installation and implementation of a second stage advanced solid liquid manure separation system assisted by flocculants. This system will integrate with our existing first stage mechanical manure separator (AMMP like project) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve over all water quality. By developing these advanced climate smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure in the dairy industry.	Kings	25,971	5,194	\$ 1,250,000.00	\$ 270,483.97	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
21	Joey Fernandes DBA Fernjo Farms Dairy Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Joey Fernandes proposes installing a vermifiltration treatment system on Joey Fernandes DBA Fernjo Farms to process the daily liquid manure collected from the dairy. The dairy flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Tulare	23,548	4,710	\$ 1,249,995.00	\$ 1,049,333.00	Vermifiltration
22	Lansing LLC - Advanced Flocculant Separation	Dairy Plus for DDRDP/DDRDP-like project	The proposed Dairy Plus project will install an advanced flocculant-assisted solid-liquid separation system to treat post-digester effluent from an existing covered-lagoon anaerobic digester. The system will use advanced mechanical separation and polymer flocculation to capture fine residual suspended solids and associated nutrients remaining in the digestate after existing manure treatment practices. Recovered solids will be separated for beneficial management, while treated liquid will be routed to the existing irrigation-water management system for agronomic land application. The project is intended to improve nitrogen and salt management, enhance recycled irrigation-water quality and consistency, reduce solids and nutrient loading to downstream storage and irrigation infrastructure, reduce freshwater blending needs, and support more efficient nutrient management and long-term environmental performance at the dairy.	Kings	250,425	25,043	\$ 1,250,000.00	\$ 618,875.15	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
23	Lazy V Farms & Vanderham West Dairy Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Cory Vanderham proposes installing a vermifiltration treatment system on Lazy V Farms to process the liquid manure collected from his adjacent dairy, the Vanderham West Dairy. The Dairy flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Tulare	27,285	5,457	\$ 1,249,995.00	\$ 1,674.59	Vermifiltration

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24	Legacy Ranches #2 Figure 8 - Advanced Solid-Liquid Separation Project	Dairy Plus for DDRDP/DDRDP-like project	Legacy Ranches #2 proposes to install a flocculant-assisted advanced solid-liquid separation system downstream of its existing anaerobic digester. The system treats digester effluent to remove fine volatile solids, nitrogen, and salts before storage, further reducing methane and nitrous-oxide emissions, improving nitrogen and salt management, and producing cleaner recycled water and a nutrient-rich stackable solid. This DDRDP-like project delivers greenhouse gas and water-quality benefits beyond conventional manure management and the operation's existing digester.	Tulare	132,836	13,284	\$ 1,249,850.00	\$ 672,326.50	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
25	Manuel Lawrence DBA JLD Farms Dairy Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Jonathan Lawrence proposes installing a vermifiltration treatment system on Manuel Lawrence DBA JLD Farms to process the daily liquid manure collected from the Manuel and Alda Lawrence Dairy, located adjacent to the proposed vermifiltration site. The dairy flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Kings	43,316	8,663	\$ 1,249,995.00	\$ 1,747,635.00	Vermifiltration
26	Martins Farm LP	Dairy Plus for AMMP/AMMP-like project	Martins Farm LP is proposing an AMMP/AMMP-like Dairy Plus project consisting of advanced solid-liquid separation assisted by flocculants and/or bead filters. The proposed advanced practice is Lagoon Water Recovery's (LWR) First Wave solid-liquid separation system, with Figure 8 Environmental serving as the project vendor for system deployment and technical support. The First Wave system uses polymer-assisted separation to bind fine suspended particles remaining in the liquid waste stream following primary separation.	Stanislaus	41,938	8,388	\$ 1,250,000.00	\$ 655,639.47	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
27	Michael De Hoog Dairy LP (dba Oak Creek Dairy) Dairy Vermifiltration Project	Dairy Plus for DDRDP/DDRDP-like project	Joe De Hoog proposes installing a vermifiltration treatment system on Michael De Hoog Dairy LP (dba Oak Creek Dairy) to process the effluent of the dairy's anaerobic digester. The dairy flushes manure from barns and the milking parlor and processes it through an anaerobic digester, and the resulting digestate is stored in anaerobic effluent ponds. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Merced	63,008	6,301	\$ 1,249,995.00	\$ 147,465.00	Vermifiltration
28	Jazmyne Marujo	N/A	N/A	Santa Clara	N/A	N/A	\$ -	\$ -	N/A
29	Nunes and Sons Dairy Inc. Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for AMMP/AMMP-like project	This project involves the installation and implementation of a second stage advanced solid liquid manure separation system assisted by flocculants. This system will integrate with our existing first stage mechanical manure separators (AMMP like project) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve over all water quality. By developing these advanced climate smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure in the dairy industry.	Tulare	31,108	6,222	\$ 1,250,000.00	\$ 672,841.47	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
30	PH LP Dairy Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Hans Van Warmerdam proposes installing a vermifiltration treatment system on PH LP Dairy to process the daily liquid manure collected from the dairy. The dairy flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Merced	46,563	9,313	\$ 1,249,995.00	\$ 1,271,602.00	Vermifiltration
31	Philip Verwey Dairy 1 - Advanced Solid-Liquid Separation and Nutrient Recovery Project	Dairy Plus for DDRDP/DDRDP-like project	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters	Madera	0	0	\$ 1,248,000.00	\$ -	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
32	Philip Verwey Dairy 4 - Advanced Solid-Liquid Separation and Nutrient Recovery Project	Dairy Plus for AMMP/AMMP-like project	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters	Kings	14,435	2,887	\$ 1,242,000.00	\$ -	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
33	Philip Verwey Hanford #2 and #3 Advanced Solid-Liquid Separation and Nutrient Recovery Project	Dairy Plus for DDRDP/DDRDP-like project	Philip Verwey Hanford #2 and #3 proposed advanced solid-liquid separation assisted by flocculants to capture fine solids	Kings	88,787	8,879	\$ 1,239,000.00	\$ -	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
34	Pires Dairy Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Daniel Soares proposes installing a vermifiltration treatment system on Pires Dairy to process the daily liquid manure collected from two adjoining dairies (both Pires Dairy). The larger dairy #1 flushes manure from barns and the milking parlor and stores it in anaerobic lagoons and the smaller dairy #2 scrapes manure from barns. Both generate significant methane and ammonia emissions. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Tulare	38,050	7,610	\$ 1,249,995.00	\$ 1,311,074.00	Vermifiltration
35	Ray and Sue Quaresma Dairy	Dairy Plus for AMMP/AMMP-like project	Quaresma Dairy is proposing an AMMP/AMMP-like Dairy Plus project consisting of advanced solid-liquid separation assisted by flocculants and/or bead filters. The proposed advanced practice is Lagoon Water Recovery's (LWR) First Wave solid-liquid separation system, with Figure 8 Environmental serving as the project vendor for system deployment and technical support. The First Wave system uses polymer-assisted separation to bind fine suspended particles remaining in the liquid waste stream following primary separation.	San Joaquin	61,676	12,335	\$ 1,250,000.00	\$ 1,276,827.07	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
36	Rivercrest Cattle Co.	Dairy Plus for AMMP/AMMP-like project	Rivercrest Cattle Co. is proposing an AMMP/AMMP-like Dairy Plus project consisting of advanced solid-liquid separation assisted by flocculants and/or bead filters. The proposed advanced practice is Lagoon Water Recovery's (LWR) First Wave solid-liquid separation system, with Figure 8 Environmental serving as the project vendor for system deployment and technical support. The First Wave system uses polymer-assisted separation to bind fine suspended particles remaining in the liquid waste stream following primary separation.	Stanislaus	19,481	3,896	\$ 1,250,000.00	\$ 552,122.90	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
38	Soares Dairies LP Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for AMMP/AMMP-like project	This project involves the installation and implementation of a second stage advanced solid liquid manure separation system assisted by flocculants. This system will integrate with our mechanical separator project (AMMP like project) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve over all water quality. By developing these advanced climate smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure in the dairy industry.	Stanislaus	19,772	3,954	\$ 1,250,000.00	\$ 282,451.97	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters

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39	Soares Dairy Farms Inc Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for AMMP/AMMP-like project	This project involves the installation and implementation of a second stage advanced solid liquid manure separation system assisted by flocculants. This system will integrate with our existing first stage mechanical manure separator (AMMP like project) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve over all water quality. By developing these advanced climate smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure in the dairy industry.	Merced	10,510	2,102	\$ 1,250,000.00	\$ 192,478.17	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
40	Solid-Liquid Separation using Flocculation with Composting - Da Silva Dairy Farm #2	Dairy Plus for AMMP/AMMP-like project	DaSilva Farm 2 already operates a Solid Separator installed with 2019 AMMP grant funds. To further increase environmental benefits, the Dairy Plus program will add an Advanced Solid-Liquid Separator with flocculation, composting the separated solids via windrows and turning them at intervals guided by pile temperature. A salinity, nutrient, and water management plan will also be implemented in partnership with University of California researchers. Applying it to summer corn and winter oats improves soil and water quality, prevents groundwater and air pollution, and reduces reliance on chemical fertilizer. Compost also builds long-term soil health: it adds organic matter, boosts water-holding capacity and infiltration, improves soil structure and tilth, feeds beneficial microbial activity, reduces erosion, and increases the soil's carbon storage over time. Lower fertilizer use also cuts the pollution and cost of its production and transport, saving the farm money.	San Joaquin	10,447	2,089	\$ 636,531.00	\$ 708,195.00	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
41	Solid-Liquid Separation using Flocculation with Composting - DS Farms	Dairy Plus for AMMP/AMMP-like project	DS Farms already operates a Solid Separator installed with 2019 AMMP grant funds. To further increase environmental benefits, the Dairy Plus program will add an Advanced Solid-Liquid Separator with flocculation, composting the separated solids via windrows and turning them at intervals guided by pile temperature. A salinity, nutrient, and water management plan will also be implemented in partnership with University of California researchers. Applying it to summer corn and winter oats improves soil and water quality, prevents groundwater and air pollution, and reduces reliance on chemical fertilizer. Compost also builds long-term soil health: it adds organic matter, boosts water-holding capacity and infiltration, improves soil structure and tilth, feeds beneficial microbial activity, reduces erosion, and increases the soil's carbon storage over time. Lower fertilizer use also cuts the pollution and cost of its production and transport, saving the farm money.	San Joaquin	17,629	3,526	\$ 1,234,726.00	\$ 110,000.00	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
42	South Creek Dairy Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Christopher Jongsma proposes installing a vermifiltration treatment system on South Creek Dairy to process the daily liquid manure collected from the dairy. The dairy flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Tulare	81,075	16,215	\$ 1,249,995.00	\$ 2,456,542.00	Vermifiltration
43	Sozinho Jerseys Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for AMMP/AMMP-like project	This project involves the installation and implementation of a second-stage, advanced solid-liquid manure separation system assisted by flocculants. This system will integrate with our existing first-stage mechanical manure separator (funded through AMMP) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve overall water quality. By deploying these advanced climate-smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure within the dairy industry.	Kings	9,634	1,927	\$ 1,250,000.00	\$ 152,352.97	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
44	Temple Creek Dairy	Dairy Plus for AMMP/AMMP-like project	Temple Creek Dairy is proposing an AMMP/AMMP-like Dairy Plus project consisting of advanced solid-liquid separation assisted by flocculants and/or bead filters. The proposed advanced practice is Lagoon Water Recovery's (LWR) First Wave solid-liquid separation system, with Figure 8 Environmental serving as the project vendor for system deployment and technical support. The First Wave system uses polymer-assisted separation to bind fine suspended particles remaining in the liquid waste stream following primary separation.	San Joaquin	38,931	7,786	\$ 1,250,000.00	\$ 1,363,339.47	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
45	Tri-Star Dairy Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Louie Tristao proposes installing a vermifiltration treatment system on Tri-Star Dairy to process the daily liquid manure collected from the dairy. The dairy flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Tulare	12,826	2,565	\$ 1,249,995.00	\$ 2,019,781.00	Vermifiltration
46	Troost Dairy Advanced Solid-Liquid Separation Assisted by Flocculants	Dairy Plus for DDRDP/DDRDP-like project	This project involves the installation and implementation of a second stage advanced solid liquid manure separation system assisted by flocculants. This system will integrate with our existing covered lagoon methane digester (DDRDP like project) to further reduce greenhouse gas emissions, decrease nitrogen and salt surpluses, and improve over all water quality. By developing these advanced climate smart manure management technologies, we aim to demonstrate measurable environmental benefits and promote the adoption of sustainable infrastructure in the dairy industry.	Madera	185,553	18,555	\$ 1,250,000.00	\$ 1,248,303.01	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
47	Vander Schaaf Dairy #2 - Advanced Solid-Liquid Separation and Nutrient Recovery Project	Dairy Plus for AMMP/AMMP-like project	Vander Schaaf Dairy #2 will use PUR-FLO 236 coagulant and PUR-FLO 524 flocculant for advanced solid-liquid separation. The project captures solids and nutrients for improved manure management and verified on-farm reuse.	San Joaquin	7,549	1,510	\$ 1,245,000.00	\$ -	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
48	Vander Schaaf Dairy Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	David Vander Schaaf proposes installing a vermifiltration treatment system on Vander Schaaf Dairy to process the daily liquid manure collected from the dairy. The dairy flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The proposed vermifiltration project will allow the dairy to update current manure management and implement a vermifiltration system. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	San Joaquin	25,217	5,043	\$ 1,249,995.00	\$ 147,465.00	Vermifiltration
49	Vintage Dairy Vermifiltration Project	Dairy Plus for DDRDP/DDRDP-like project	Matthew De Jong proposes installing a vermifiltration treatment system on Vintage Dairy to process the effluent of the dairy's anaerobic digester. The dairy flushes manure from barns and the milking parlor and processes it through an anaerobic digester, and the resulting digestate is stored in anaerobic effluent ponds. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Tulare	66,930	6,693	\$ 1,249,995.00	\$ 147,465.00	Vermifiltration
50	Wickstrom Jersey Farms	Dairy Plus for DDRDP/DDRDP-like project	The project will add post-digester vermifiltration to the existing manure management system. The project will treat digestate generated from manure collected through flush systems and routed through existing solids separation and anaerobic digestion infrastructure. Existing digester, biogas conditioning, and renewable natural gas infrastructure are outside the Dairy Plus funding request. Adapted from the Wickstrom Biofiltro project description.	Merced	121,350	12,135	\$ 1,249,995.00	\$ 147.00	Vermifiltration

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51	Willem Postma Dairy, LLC Vermifiltration Project	Dairy Plus for AMMP/AMMP-like project	Bud Postma proposes installing a vermifiltration treatment system on Willem Postma Dairy, LLC to process the daily liquid manure collected from the dairy. Willem Postma Dairy, LLC flushes manure from barns and the milking parlor and stores it in anaerobic lagoons, generating significant methane and ammonia emissions. The vermifilter would operate simultaneously as a solids separator, a manure treatment system, and nutrient removal and recovery technology. Once the proposed vermifiltration system is operational, only a fraction of the volatile solids and nitrogen collected daily in liquid manure will enter the anaerobic lagoon. Therefore, vermifiltration will significantly reduce methane and ammonia emissions from long-term anaerobic storage. The vermifiltration-treated water used for irrigation will reduce nitrogen application to surrounding crop fields and, in turn, nitrous oxide emissions and the risk of groundwater pollution. Additionally, vermifiltration will reduce odors and transform the manure into nutrient-rich vermicompost that recovers valuable manure nutrients, improves soil health, and adds carbon to crop soils.	Stanislaus	24,582	4,916	\$ 1,249,995.00	\$ 1,002,725.00	Vermifiltration
52	Wyeth Dairy	Dairy Plus for AMMP/AMMP-like project	Wyeth Dairy is proposing an AMMP/AMMP-like Dairy Plus project consisting of advanced solid-liquid separation assisted by flocculants and/or bead filters. The proposed advanced practice is Lagoon Water Recovery's (LWR) First Wave solid-liquid separation system, with Figure 8 Environmental serving as the project vendor for system deployment and technical support. The First Wave system uses polymer-assisted separation to bind fine suspended particles remaining in the liquid waste stream following primary separation.	Stanislaus	9,087	1,817	\$ 1,005,000.00	\$ 480,794.82	Advanced Solid-Liquid Separation Assisted by Flocculants and/or Bead Filters
52 Applications Submitted				Total	2,574,941	352,602	\$ 62,728,012.00	\$ 29,896,917.21	