

Applications Selected for Awards for 2017 HSP Incentives Program Second Solicitation – Updated May 16, 2018

Applicant Organization	Project Description	Grant Funds Requested*	Estimated Cost Sharing*	County	GHG Reduction Estimation (Tonnes CO₂ eq/yr)**
ACMII CALIFORNIA 1, LLC (Bixler Farm)	The Recipient will plant over 7,000 feet of hedgerows optimized for native pollinator habitat. The project will help increase quality and yield of blueberry and almond crops, preserving the soil health and carbon sequestration benefits of permanent cropping systems. The Recipient will evaluate project success based on soil health, pollinator abundance and diversity, and crop quality and yields.	\$46,412.22	\$11,000.00	San Joaquin	12
B&W Farm LLC Angels Farm	The project is to implement compost application, cover crop and hedgerows practices to achieve the goals of improving soil health and water use efficiency. Compost (C:N> 11) and legume cover crop increase input of biomass in the soil. Hedgerows around the fields will help reduce wind speed and wind erosion.	\$26,183.22	\$10,478.00	San Diego	87.2
Bolin Farming Company	230 acres on Chadbourne Road in Fairfield, CA. In 2013, we acquired a parcel that had been abandoned and neglected for several years. Step by step, we have worked since then to develop irrigation and drainage improvements to bring the soil and the pasture back to a healthy ecosystem. With the support of the Healthy Soils Grant, we will be able to continue farm in organic production and continue to improve yields, soil quality, and grazing capacity for the ranch.	\$50,000.00	\$49,420.00	Solano	617.6
Bordessa Family Dairies	The project is to improve soil health and sequester carbon through application of compost on 134 acres of rangeland used for grazing organic dairy cows. Additional project outcomes include the reduction of atmospheric greenhouse gases (GHG) and improved pasture production and nutrients.	\$49,914.00	\$59,187.00	Marin	603.6
Chico Flax LLC	On a site newly established for fiber flax production, we will incorporate cover cropping, mulch, and multispecies hedgerows to improve soil health, provide wildlife and insect habitat, sequester carbon and minimize greenhouse gas emissions. Our fiber flax development project, carried out in collaboration with CSU, Chico Department of Agriculture, will utilize this 3.75-acre parcel as a prototype of sustainable flax production in our region.	\$10,684.29	\$1,960.00	Butte	2.3

Corral De Piedra (Kelly Keene)	Our goals are to continue implementing, maintaining and sharing practices that build soil health and increase water retention. The plan to evaluate success are to maintain our systems properly and track their progress through soil testing, ground water analysis and overall productivity of the farm.	\$36,354.01	\$35,391.83	San Luis Obispo	27.6
Dixon East, LLC	The Recipient will plant cover crop to assist in the need for weed suppression, dust control, compaction management, water infiltration and holding capacity, and address potential runoff. The Recipient will apply compost to the orchard for increased soil health and organic matter. With a goal of implementing more sustainable farming practices, the project will be evaluated annually to ensure desired outcomes of increased soil health for the trees, lower greenhouse gas emissions and improved air quality.	\$17,458.68	\$12,664.00	Solano	130.1
Fairhaven avocado	Mulch will be applied with the goal of lowering power costs and improving soil health. Desired outcomes will be measured by the use of tensiometers to track soil moisture levels and monitoring yield and output.	\$5,848.40	\$2,925.00	San Luis Obispo	2
Fat Uncle Farms	The goal of the Deep Creek Regeneration Project is to implement a farm system in which natural ecosystem processes enhance the nutrient and water cycles as well as overall health and productivity of the plant community. We expect to measure annual increased total nutrient yield (nutrient density x net productivity), soil organic matter, water holding capacity, and above and below ground biodiversity.	\$41,575.80	\$42,000.00	Modoc	14
Flight Investment Vineyards	The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 30.73 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 48.10 tons of CO2 equivalent per acres.	\$6,538.19	\$5,278.26	San Luis Obispo	48.1
Le-Fort's Organic Crops	The project will include 1) the application of compost on fruit orchards and annual crop fields; 2) the installation of a riparian forest buffer between crop fields and the Huer Huero Creek and a herbaceous cover to replace irrigated cropland adjacent to the creek in order to prevent runoff of sediments and nutrients and provide other ecosystem services, and 3) planting cover crops on an area of farm previously only used for equipment storage and chicken pasture in order to increase soil organic matter content, promote biological nitrogen fixation, increase biodiversity and increase soil water retention, with the goal of utilization of the area for cultivation of pilot crops. The project will evaluate soil organic matter and moisture levels, crop quality and yields, and soil stability and wildlife in the creek bed.	\$7,960.94	\$4,700.00	San Luis Obispo	11

Lucky Dog Farms, LLC	The Farm will improve its hay production and soil health by implementing a suite of conservation practices on over 95 acres such as cover crop, woody planting establishment (windbreak and riparian forest buffer) as well as compost application.	\$36,717.98	\$30,307.00	Tehama	261.4
McClelland Dairy	This project will implement two conservation practices—compost application on 43.31 acres of annual grassland and the restoration of 2.6 acres riparian forest buffer along a tributary to Stemple Creek and. The basis for implementation is the McClelland Dairy Carbon Farm Plan on the McClelland’s 344-acre Home Dairy. The goals of the project are to improve soil health and provide co-benefits. The project outcomes include increasing soil organic matter, water retention capacity.	\$40,544.73	\$47,010.72	Sonoma	203.2
Michelle Rossow	Soil health practices such as cover cropping, crop rotation, compost application, and conservation tillage provide synergistic environmental and economic benefits. This project will evaluate the synergistic impacts of implementing cover crop, compost application, and reduced till. The grant team will evaluate profitability of implementing the proposed practices over the course of the project. The goal of the project will be to improve plant health and yields, increase water infiltration and retention, sequester and reduce greenhouse gases, reduce sediment erosion and dust, improve water and air quality, and improve biological diversity and wildlife habitat.	\$50,000.00	\$31,884.40	Merced	374.6
Plummer Vineyard	The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 67 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 102.1 tons of CO2 equivalent per acres.	\$13,751.00	\$11,004.00	San Luis Obispo	102.1
Progressive Pastures, LLC	The proposed project consists of establishing hedgerow along the border of Field 6 located on the western property line adjacent to State Highway 1. The goal is to establish a hedgerow along a mature single row windbreak, creating a multifunctional windbreak. This will fill in the through winds bridging the gaps.	\$13,856.00	\$5,204.00	Marin	4
Rafter Eleven Livestock LLC	Application of compost on property to enhance soils that will, in turn, increase yields.	\$38,884.00	\$19,442.00	Alameda	474.7

Ryan Williams	The Williams Ranch will implement conservation management practices over two ranches (Le Grand Ranch & Winton Ranch). These practices include no-till, compost applications and legume cover crop that sequester carbon, increase organic matter, improve soil water infiltration and reduces soil erosion. The legume clovers (Strawberry Clover & White Clover) have the added benefit of nitrogen fixing root system to improve available nitrogen to the crop.	\$49,432.91	\$19,472.44	Merced	256.5
Sally Donati	Donati Ranch will apply compost on irrigated pasture and in the foothills of Butte County. As part of the project they will investigate the benefits of the conservation practice. The multi-generational ranch uses the project sites seasonally as part of a rotational livestock grazing system. They intend to apply compost in the fall to annual rangeland and irrigated pasture in the summer to improve soil health with the assistance of the CDFA Grant. The project will reduce GHG emissions by putting local green waste to better use, while supporting a local company who manufacturers compost.	\$49,950.00	\$28,425.00	Butte	637.9
Sequoia Farms	We will apply compost to 38 acres of 2-year-old conventionally managed walnuts and use light tillage before applying the seed for a legume cover crop to the 2-year-old orchard. Once this cover crop is established we will no longer till throughout the orchard. On an adjacent field, the farmer will plant a hedgerow consisting of native plants, grasses, and trees to provide year-round habitat for beneficial insects and wildlife, as well as reducing noise and air pollution.	\$48,750.92	\$22,883.30	Solano	87.5
Serventi Ranch	The project will plant legume and non-legume crops on alternating tree rows each fall. Mulching – place wood chips under each of our tree rows to control weeds, conserve moisture, and increase carbon sequestration. Hedgerow – add hedgerows that divide our property into different productive zones and to support bee colonies and provide other ecosystem service.	\$20,230.28	\$9,500.00	Santa Cruz	7.8
Seth Rossow	Soil health practices such as cover cropping, crop rotation, compost application, and conservation tillage provide synergistic environmental and economic benefits. This project will evaluate the synergistic impacts of implementing cover crop, compost application, and reduced till. The grant team will evaluate profitability of implementing the proposed practices over the course of the project. The goal of the project will be to improve plant health and yields, increase water infiltration and retention, sequester and reduce greenhouse gases, reduce sediment erosion and dust, improve water and air quality, and improve biological diversity and wildlife habitat.	\$50,000.00	\$54,138.58	Merced	706
Speth Walnuts	This project consists of an ongoing annual cover crop practice combined with the addition of composting.	\$4,820.00	\$15,000.00	Colusa	74.1

Spring Creek Vineyard	The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 24.55 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 39.00 tons of CO ₂ equivalent per acres.	\$5,133.65	\$4,127.10	San Luis Obispo	39
Stubbs Vineyard	Application of compost on a large scale has not been practiced on the vineyard and could be an important method to improve soil health, sequester atmospheric carbon, and reduce GHGs. We are also looking to add a cover crop which has not previously been implemented on Stubbs Vineyard, to improve soil health, sequester atmospheric carbon and reduce GHGs.	\$4,837.04	\$5,974.00	Marin	54
Sun Drenched Organics LLC	The project includes compost application, cover crops, and mulching practices for nutrient enrichment and transpiration conservation, and hedgerow plantings and natural wind barriers to reduce erosion. The environmental practices will create a healthy soil biosystem, support wild life and native environment preservation, preserve the health of the creek on the land, reduce GHG, and retain moisture, reduce transpiration, and retain soil, reducing erosion.	\$12,715.14	\$7,800.00	San Diego	46.2
Swift Subtropicals	Swift Subtropicals is a small diversified farm with goals of sustainability and biodiversity. Potential project practices include: 1) Application of compost to grazed rangelands, crop lands and perennial crops/orchards, 2) mulching perennial plants, and 3) planting a Riparian Forest Buffer. Soil testing and overall health of the land will highlight results. With proven positive results, Swift Subtropicals can implement programs on a larger scale.	\$15,511.46	\$23,745.00	San Luis Obispo	154.6
Terra Cultura	The goal of our project is to build healthy soil and to implement greenhouse gas emission reduction strategies including but not limited to establishing cover crops, mulching, implementing no till or reduced till, applying compost, planting hedgerows, and establishing a silvopasture for grazing.	\$12,775.16	\$7,087.17	San Benito	16.2
The James and Victoria Lawrence Spousal Lifetime	Compost on orchard at Lawrence Longshadow Ranch	\$28,707.30	\$14,353.65	Contra Costa	350
Thomas Donati	This project will apply compost in the Buttes of Sutter County and investigate the local benefits of the conservation practice. The mutli-generational ranch uses the project site seasonally as part of a rotational livestock grazing system. They intend to apply compost in the fall to rangeland to improve soil health. The project will reduce GHG emissions and sequester carbon in the soil while supporting a local company who manufacturers compost from municipal green waste.	\$49,400.00	\$26,425.00	Sutter	632

Treborce Vineyards	The Vineyard and both the Agricultural and non-ag Community need healthy and well maintained vineyards and vines to improve their lives and the area they live and work in each day. Cover Crops and Compost increase the bio-diversity of the parcel and hence the neighborhood by attracting beneficial insects and pollinators and birds. All of these things together make our world a better place to live and improve the surroundings and diversity for future generations.	\$6,651.20	\$4,947.50	Sonoma	50
Wallace Brothers	This project will implement compost application to fields intended for organic tomato production. This project includes two fields totaling 282 acres near Colusa, CA. Both fields were previously used for rice production. The fields have been converted to row crop production with drip irrigation and are in process of being certified for organic production of tomatoes. Overall soil health after years of rice production had left soil condition in overall poor condition and depleted in most important soil nutrients. Addition of compost will provide soil organic matter as well as nutrients.	\$50,000.00	\$69,240.00	Colusa	1252
Xline Vineyard	The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 82.5 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 130.10 tons of CO ₂ equivalent per acres.	\$16,897.50	\$13,515.00	San Luis Obispo	130.1
		\$918,496.02	\$706,489.95		

* Subject to change based on evaluation of Project Budgets by CDFG.

**Estimated using CARB GHG Quantification Methodology and tools. Subject to change based on CDFG evaluation.