2023 HEALTHY SOILS PROGRAM

CDFA HSP RePlan Report

Tracking number: 5565998805

Total grant amount requested:
$159,853.83

Prepared 04/29/2024
using
CDFA HSP RePlan Tool
(https://replan-tool.org/cdfa/?s=sqnrunT5hTFWhzJLUl8zc6)

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

Project Design Overview

Project summary and budget

Agricultural system	Practice	Implementation acres	Estimated GHG reductions (MT CO_2 e/yr)[*]	Amount requested in the grant term
Orchard	Compost Application (USDA NRCS CPS 808)	178.13	288	$137,486.79
Orchard	Cover Crop (USDA NRCS CPS 340)	59.66	91	$21,917.04
Practice total		**178.14[**]**	**379**	**$159,403.83**
Total number of soil samples		3 samples / year for 3 years		$450.00
Project total				**$159,853.83**

[*] The estimation of Carbon Sequestration and Greenhouse Gas Emission Reductions is based on CDFA HSP COMET-Planner (http://comet-planner-cdfahsp.com/) developed by USDA-NRCS and Colorado State University coordinated by the CDFA and the California Air Resources Board (CARB).

[**] The total project implementation acreage is the total ground acreage where the project is to be implemented.

Project implementation work plan

Page	Ag. system	Practice implementation	Payment scenario	Field	Implementation acres	Timeline	Soil samples	Parcels (APN)	County
6	Orchard	Compost Application (USDA NRCS CPS 808) - Compost (C:N ≤ 11) Application to Perennials, Orchards, and Vineyards - Compost Purchased from a Certified Facility	4 tons/ acre	Visalia Trees	178.13	Project year 1, Project year 2, Project year 3	2 / yr for 3 years	118-020-037-000, 118-020-036-000	Tulare
9	Orchard	Cover Crop (USDA NRCS CPS 340) - Add Legume/ Legume Mix Cover Crop to Orchard/ Vineyard Alleys	One species	Visalia Trees East	59.66	Project year 1, Project year 2, Project year 3	1 / yr for 3 years	118-020-037-000, 118-020-036-000	Tulare

Benefits to Priority Populations:

This project **does not provide** benefits to Priority Populations.

The determination is based on two items:
- located in a Priority Population: **no**
- has a net critera pollutant reduction based on co-benefit calculation: **no**

Cobenefits:

This project **does not reduce** net on-site criteria air pollutants.

Local project lifetime reduction (lbs):

NO$_x$	PM$_{25}$	SO$_2$	O$_3$	CO	NH$_3$ [*]	ROG [*]
-275	0	0	0	0	-750	0

[*]Not included in the final on-site criteria air pollutant reduction determination.

Project Location

Map credit: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Note: There may be misalignment errors between the parcel boundaries and imagery basemap. Parcel boundaries are more likely in the correct location than features visible within the map, such as roads or field boundaries. If parcel labels are too close together on the map, only the first will be shown. See parcels table below for full list.

☐ Field boundaries
☐ Parcel boundaries

Legislative districts:

- SD 12: Senator Shannon Grove
- AD 32: Assemblymember Vince Fong

Visalia Trees

Crop(s) grown in the past 1 to 3 years: Pecans
Proposed crop(s) in the grant term: Pecans
Agricultural System: Orchard
Practice implementation: Compost Application (USDA NRCS CPS 808) - Compost (C:N ≤ 11) Application to Perennials, Orchards, and Vineyards - Compost Purchased from a Certified Facility
Payment scenario: 4 tons/acre
Timeline: Project year 1, Project year 2, Project year 3

Practice implementation acres: 178.13

Location: approximate center: 36.30265° N, -119.41890° E

Map credit: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

☐ Field boundary	☐ Parcels within project	☐ Parcels not within project

Note: There may be misalignment errors between the parcel boundaries and imagery basemap. Parcel boundaries are more likely in the correct location than features visible within the map, such as roads or field boundaries. If parcel labels are too close together on the map, only the first will be shown. See parcels table below for full list.

Visalia Trees is located on the following parcels:

Parcel (APN)	Total acres	Practice implementation acres	County
118-020-037-000	149.47	149.47	Tulare
118-020-036-000	28.66	28.66	Tulare
Total	**178.13**	**178.13**	

Benefits to Priority Populations:

This field is not located in a community included under AB 1550 Low-income Communities or SB 535 Disadvantaged Communities.

Compost application eligibility:

This field is **eligible** for compost application.

Implementation & verification requirements:

In addition to the following general requirements and guidelines, you must meet the specific requirements of your selected payment scenario for this field.

During practice implementation, applicant must ensure following the requirements:

1. Application rate must be between 2-4 tons/acre

Applicant is required to submit the following for verification and issue of grant payments:

1. 3-5 Geotagged photographs showing compost piles, compost being spread and field ground right after compost is completely applied,

2. A copy of receipt for compost purchased

3. Compost analysis report on C:N ratio

4. A certificate of the compost facility if it is not included in the list at https://www2.calrecycle.ca.gov/SolidWaste/Site/Search Site

Visalia Trees East

Crop(s) grown in the past 1 to 3 years: Pecans
Proposed crop(s) in the grant term: Pecans
Agricultural System: Orchard
Practice implementation: Cover Crop (USDA NRCS CPS 340) - Add Legume/Legume Mix Cover Crop to Orchard/Vineyard Alleys
Payment scenario: One species
Timeline: Project year 1, Project year 2, Project year 3

Practice implementation acres: 59.66

Location: approximate center: 36.30228° N, -119.41445° E

Map credit: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

| | Field boundary | | Parcels within project | | Parcels not within project |

Note: There may be misalignment errors between the parcel boundaries and imagery basemap. Parcel boundaries are more likely in the correct location than features visible within the map, such as roads or field boundaries. If parcel labels are too close together on the map, only the first will be shown. See parcels table below for full list.

Visalia Trees East is located on the following parcels:

Parcel (APN)	Total acres	Practice implementation acres	County
118-020-037-000	73.45	51.41	Tulare
118-020-036-000	11.78	8.24	Tulare
Total	**85.23**	**59.66**	

Benefits to Priority Populations:

This field is not located in a community included under AB 1550 Low-income Communities or SB 535 Disadvantaged Communities.

Species to be planted:

Species recommended by NRCS California eVegGuide:

Species	Type	Irrigated	Ease	Pollinator	Resident Status	Growth Cycle
Common vetch (*Vicia sativa*)	Legume		easy	no	introduced	annual

For more information on these species, please see the NRCS California eVegGuide.

Implementation & verification requirements:

In addition to the following general requirements and guidelines, you must meet the specific requirements of your selected payment scenario for this field.

During practice implementation, applicant must ensure following the requirements:

1. Single or multiple species cover crop is planted without fertilizer
2. Cover crop is allowed to grow to produce as much biomass as possible
3. Cover crop biomass/residue should not be removed to other places

Applicant is required to submit the following for verification and issue of grant payments:

1. 3-5 Geotagged photographs showing established cover crops in the field (≥60% coverage),
2. Receipts of cover crop seeds purchased,
3. Cover crop species name and seeding rate

<u>**Next steps**</u>

Please follow the steps below to submit your reports:

1. The PDF and Excel downloadable files created by RePlan will be the main component of your project, should your application be selected for award. Make sure all information is correct.
2. To edit the information included in this report, please go to:
   https://replan-tool.org/cdfa/?s=sqnrunT5hTFWhzJLUl8zc6
   Be sure to download new reports after editing.
3. When all information is correct and complete, download both the PDF and Excel reports to your computer.
4. Name each file to include the tracking number (it is on the top right of this report) (e.g., 5565998805_RePlan_2023HSP.pdf). This should be automatically suggested by your browser during download.
5. Go to the HSP application platform where you started your application to complete your grant application. You will be asked to upload both the PDF and Excel files produced by the RePlan Tool.

If you need help

Please submit your query to cdfa.HSP_Tech@cdfa.ca.gov

Please note:

Late submissions will not be accepted.

This tool is used to assist with preparation of applications to the CDFA Healthy Soils Program. It is not to be used for legal or other unintended purposes. Data shown are approximate and may not represent exact boundaries or environmental conditions. Species recommended by CalFlora for planting practices are recommendations only.

Data sources:

- AB 1550 Low Income Communities and SB 535 Disadvantaged Communities (v4.0, 2022) data obtained from the California Air Resources Board on 3/8/2023 (https://webmaps.arb.ca.gov/PriorityPopulations/).

- Locations eligible for compost application practices were obtained from the California Air Resources Board on 12/17/2019.

- The estimation of Carbon Sequestration and Greenhouse Gas Emission Reductions is based on CDFA HSP COMET-Planner (http://comet-planner-cdfahsp.com/) developed by USDA-NRCS and Colorado State University coordinated by the CDFA and the California Air Resources Board (CARB).

- Recommended species for planting practices were obtained from the NRCS California eVegGuide on 3/10/2023 (https://calflora.org/nrcs/treatment4.html).

- Parcel data (2019) were obtained from Digital Map Products (https://www.digmap.com/).