

Wasco County SWCD Cost Share Program Application

ATTENTION: It is the responsibility of the applicant/landowner to obtain any required permits for the project being cost shared. If you need assistance contact the SWCD office.

Applicant Name TRAVIS DARR

Address

Phone &

PROJECT DESCRIPTION Please include a detailed map of the project area, photos and budget to summarize expenses.

12 Digit HUC: 170701051103 SWCD LRP Priority Ranking# _____

NRCS Practice Code: _____ NRCS Practice: _____

Is this project Ag Water Quality Related? No ODA Management Area: LD

Is this project part of a Farm Bill program or receiving any other Cost Share? YES or NO

1. Project Proposal – Please describe the resource concern, what will be done & who will do the work. (additional space on reverse side if needed)

See attached project proposal, photos and copy of estimate for budget.

2. Describe how this project will address the resource concern or provide an overall benefit that this project will provide to the watershed.

Estimated Total Cost: \$ 12,502
Amount Requested: \$ 6250
(50%, UP TO \$7,500) Budget space is provided on reverse side

Project Start Date: 4-15-26
Completion Date: 6-30-26

Print TRAVIS DARR
Applicant

Sign [Signature]

Date 4-1-26

Landowner Signature (if different than the applicant)

THIS SECTION TO BE COMPLETED BY SWCD STAFF

Staff Review ___ mgr ___ tech ___ adm Recommend: Fund Not Fund Board Action: Approved / Denied

Date: _____

Water Conservation Upgrade for Hydroponic Farm

1. Project Proposal

The proposed project will replace the existing foam and cotton panel inserts in a containerized hydroponic system with durable plastic FAL inserts.

The current system relies on foam and cotton materials to support plant growth and direct irrigation water. Over time, these materials degrade, soften, and lose structural integrity. As a result, irrigation water bypasses the intended channels, flows over the top of the panels, and drips down onto plant surfaces and the container floor instead of being captured by the recirculation gutter system.

This inefficiency increases daily water use from an expected **5 gallons per day** to approximately **10–15 gallons per day**, due to water loss that is not recovered and reused within the closed-loop hydroponic system.

The proposed FAL plastic inserts are designed to:

- Maintain structural integrity over time
- Direct water efficiently to plant root zones
- Prevent overflow and leakage outside the system
- Ensure full capture and recirculation of irrigation water

Unlike foam-based materials, these inserts provide a long-term solution and are not expected to degrade within a short replacement cycle.

2. Resource Concern and Environmental Benefit

This project directly addresses **water conservation and system efficiency** within a controlled-environment agriculture system.

By installing FAL inserts, the farm will:

- Reduce daily water use by an estimated **50–66%**, returning to baseline usage of approximately **5 gallons per day**
- Eliminate water loss to the container floor and improve full recirculation of irrigation water

- Improve nutrient retention by preventing nutrient-rich water from being lost outside the system
- Reduce excess moisture within the growing environment, lowering the risk of plant disease and pest pressure (including fungus gnats)

These improvements contribute to broader watershed benefits by:

- Minimizing overall water withdrawal
- Reducing nutrient loss from the production system
- Demonstrating highly efficient water use in small-scale, high-output agriculture

Following implementation, the system will produce approximately **150–200 pounds of lettuce per week** for local wholesale and direct-to-consumer markets while operating at optimal water efficiency.

This project supports the long-term viability of **water-efficient, controlled-environment agriculture** in the Columbia River Gorge and provides a replicable model for other small-scale producers seeking to reduce resource use.

3. Budget

Inserts for 45 plants per panel for 87 panels total \$10,870.00

Estimate labor hours to assemble and install inserts is 65.25 hours = \$1,632.00

Total cost is \$12,502.00

Total requested \$6,250.00

FAL Insert - Quote and Sales Agreement 3 Corners Farm

Part 1 – Quotation

farm-a-leaf (“FAL”)

Address: 78 Sutton Drive, Vernon, CT 06066

Email: support@farm-a-leaf.com

Phone Number: (860) 614-9667

Website: farm-a-leaf.com/panel-design

Customer Information (“Customer”)

Name: Travis Darr

Company: 3 Corners Farm

Email: 3cornersfarm@gmail.com

Phone Number: (541) 965-1114

Shipping Address: 2810 OSBORN CUTOFF RD Mosier, OR 97040

Quotation Summary

Farm Model & Year: Greenery S 2022

Number of farms to retrofit (Units): 1 Farm(s)

Panel Measurements (in inches)

Channel Opening Width:	<u>1.5</u>	inches
Channel Depth:	<u>2.25</u>	inches
Lip Thickness:	<u>Lip 0.25: 2.25 – Width</u>	inches
Length of Panel:	<u>83.75</u>	inches

Panel Setup (Number of panels requesting each setup)

(88 Panels = Full Freight Farm)

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3-Channel Panel Setup:

10 plants per channel: _____ Panels
12 plants per channel: _____ Panels
13 plants per channel: _____ Panels
15 plants per channel: 87 Panels
18 plants per channel: _____ Panels
20 plants per channel: _____ Panels

5-Channel Panel Setup:

10 plants per channel: _____ Panels
12 plants per channel: _____ Panels
13 plants per channel: _____ Panels
15 plants per channel: _____ Panels
18 plants per channel: _____ Panels
20 plants per channel: _____ Panels

Insert Color

Preferred Insert Color: Gray Panels

Pricing


Number of Parts Required: 3132
Price per Panel: \$124.99 USD
Subtotal: \$10,870.00 USD
Shipping & Handling: \$0.00 USD
Taxes: EXEMPT
Total Price: \$10,870.00 USD
Issue Date: March 3, 2026
Quote Validity Period: 30 days from Issue Date

Acceptance

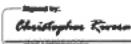
By signing below, Customer accepts this Quotation, and agrees that the attached Terms & Conditions of Sale govern this transaction. Together, this Quotation and the Terms & Conditions form the binding Sales Agreement between FAL and Customer.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed as of the date first entered above and deem that it is executed in the State of Connecticut.

3 CORNERS FARM

By (signature):  March 4, 2026 | 8:14 AM PST
Name: Travis Darr
Title: 02/16/2026

FARM-A-LEAF

By (signature):  March 26, 2026 | 12:13 PM PDT
Name: Christopher Rivera
Title: Founder

Part 2 – Terms & Conditions of Sale

Parties & Formality

This Sales Agreement (this “Agreement”) consists of the Quotation signed by Customer and these Terms & Conditions (together, the “Quotation”). FAL and Customer are referred to individually as “Party” and together as the “Parties”.

Quote Validity

This Quotation is valid for thirty (30) days from the Issue Date unless otherwise stated in writing by FAL.

Payment Terms

For each Unit ordered, the Total Price will be split into two equal payments: 50% due 30 days before production begins (“First Payment”) for that Unit and 50% due before shipment of any panels under that Unit (“Second Payment”), unless otherwise agreed in writing. FAL may, at its discretion, schedule delivery in phases; however, no panels will be shipped until the applicable payment has been received in full. If multiple Units are ordered, payments for each Unit shall follow this schedule independently. FAL may, at its discretion, invoice for phased shipments; however, Customer remains

3 Corners Hydrofarm – Water Conservation

Before Photos







