

Proposal

SIX-MONTH COMPREHENSIVE STUDY OF REEF-FRIENDLY LANDSCAPING METHODS AND PRODUCT RECOMMENDATIONS

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PROJECT DESCRIPTION

THE CHALLENGE

The goal of this project is to tackle a specific challenge: the County of Maui has struggled to find all-natural, reef-friendly products and methods for maintaining ballparks and golf courses that meet their desired outcomes. The main issue is that the reef-friendly weed control products they tested have either caused nonselective damage or have not substantially reduced weed pressure.

SOLUTIONS

Finding solutions that work! SoilThrive Hawai'i, LLC specializes in reducing weed pressure on landscapes by improving soil and plant health and using organic selective weed control products as needed.

THE TEAM

Our team consists of turf specialists from the mainland, a botanist/plant ecologist, an agronomist, and a soil food web technician all dedicated to finding feasible, sustainable, and economical solutions that give desired results.

PROJECT DESCRIPTION

During this 6 month project, SoilThrive Hawai'i will:

1. Nourish the Soil:

- Introduce nutrients and soil microbes to revitalize the soil. Enhancing soil health, including increasing fungi in the soil which will help to reduce certain weeds.
- Tackle fungal, insect, or disease-related problems.
- Enhance root mass to improve drought resistance, requiring less water.

2. Weed Control:

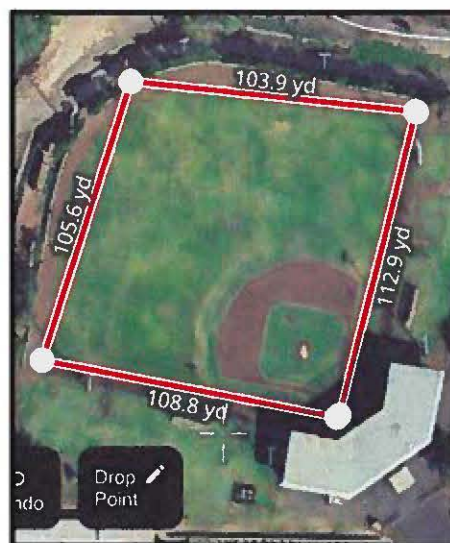
- By increasing soil health and microbes
- Using a variety of selective and non-selective organic weed killer products
- Weed steaming may be recommended in select areas
- Effective weed control methods will be used
- Grass seeding may be recommended

3. Select methods and products that will facilitate a smooth transition for the County to implement.

- No need for new equipment
- Similar application as conventional fertilizers and weed control
- No long lasting offensive smells

LOCATIONS

- 3 months: Waiehu Golf Course Hole #6 (complementary no charge)
- 6 months: Weedy park specifically with pokey weeds, TBD
- 6 months: Ichiro "Iron" Maehara Stadium



DELIVERABLES

COMPREHENSIVE LANDSCAPE NUTRITION AND WEED CONTROL PLAN

At the end of this project SoilThrive Hawai'i will provide a detailed landscape nutrition and weed control plan for turf that can apply to other landscape areas.

Final Report

- A comprehensive report summarizing findings, before and after pictures, recommendations, and next steps.

Detailed Methodology

- Comprehensive description of the methods employed.
- Explanation of the rationale behind chosen approach.
- Specific application rates for each product used.
- Timeline for applications, including preparation, treatments, and follow-ups.

List of Products Used

- Detailed descriptions of each product, including safety data, expected outcomes, and environmental impact.

Prices of Products Used

Recommended Practices

- Best practices for ongoing maintenance and weed control based on test plot results.

Training for Staff

- One in depth initial training session for staff, covering application techniques, safety protocols, and product handling.
- Available to offer additional ongoing training sessions or workshops to ensure continued success. (additional cost)

Consultation Services

- Availability of follow-up consultations to address questions or adjustments based on initial results.

