

# Exterior Softscape Design Proposal for Agricultural Engineering Project

## General Concept

The design integrates sustainable agricultural practices with visual appeal, focusing on biodiversity, soil health, and water conservation. It aims to optimize sun exposure and wind protection.

## Softscape Elements

1. Orchard Area (North Side - 1000m<sup>2</sup>): Includes fruit trees and understory planting of berry bushes.
2. Vegetable and Herb Gardens (East Side - 750m<sup>2</sup>): Features raised beds for vegetables and herbs, using companion planting techniques.
3. Perennial Borders (Along the Perimeter - Width: 2m): Utilizes native plants and edible flowers for low maintenance beauty.
4. Green Buffer Zones (West and South Sides - Width: 3m): Mix of shrubs and small trees for privacy and wind protection, with ornamental grasses.
5. Water Management Features: Central rain garden (200m<sup>2</sup>) for runoff water management, complemented by swales and efficient irrigation systems.
6. Pathways and Access: Permeable paving materials ensure accessibility and support groundwater recharge.
7. Recreational and Educational Spaces: An outdoor classroom/gathering area (100m<sup>2</sup>) for community engagement, with interpretive signage.

## Implementation Considerations

The plan emphasizes soil health, water efficiency, and organic maintenance practices to foster a productive and sustainable landscape.