

# Plant2Earn Litepaper

## Introduction

**Plant2Earn** is a blockchain-powered platform introducing **PlantFi**, a novel combination of virtual gaming and real-world houseplant care. Players grow virtual plants while nurturing real ones, earning rewards for eco-conscious actions. The project bridges digital and physical worlds, promoting sustainability and simplifying plant care through gamified engagement.

Key highlights include:

- Real-life plant integration via IoT hardware.
- Sustainability partnerships with organizations like One Tree Planted.
- Rewarding players with the **Sapling (SAP)** utility token for in-game achievements and real-world activities.

## Mission and Vision

**Mission:** Revolutionize engagement with technology and sustainability through a gamified ecosystem. **Vision:** Establish PlantFi as the standard for eco-conscious blockchain gaming.

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## Gameplay Overview

### Core Gameplay

1. **Virtual Plant Cultivation:** Grow unique plants (NFTs) with care routines.
2. **Real-Life Plant Syncing:** Link physical plant care (watering, fertilizing) to virtual growth via IoT devices or app input.
3. **Marketplace:** Trade, buy, or sell plant NFTs and tools.
4. **Events and Competitions:** Showcase creativity for rewards.

### Player Goals

- Cultivate vibrant gardens.
- Unlock rare plant species.
- Participate in community events.
- Contribute to real-world sustainability.

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## Technology Integration

### IoT Hardware

- **Self-Watering System:** Automates precise hydration.
- **Plant Health Monitoring:** Tracks light, moisture, nutrients, and more.
- **Interactive Reservoir:** Functions as a physical character, syncing with the virtual world.

### Mobile App

- **Dashboard:** Tracks plant health and gameplay metrics.
  - **Community:** Share stories and achievements.
  - **Real-Time Alerts:** Care reminders based on sensor data.
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## Sustainability and Impact

1. **Eco-Friendly Technology:** Minimized water and energy use.
  2. **Green Initiatives:** Contributions to global tree-planting projects and environmental education.
  3. **Real-Life Rewards:** Bonuses for eco-friendly actions like tree planting.
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## Tokenomics

- **Token Name:** Sapling (SAP)
- **Blockchain:** Solana (SOL)
- **Supply:** 100 billion tokens

### Token Utility

- In-game purchases and upgrades.
- Marketplace transactions for NFTs.
- Real-life discounts on hardware and eco-friendly accessories.

### Allocation

- Development: 15%
- Ecosystem Rewards: 30%

- Marketing: 15%
  - Partnerships & Sustainability: 10%
  - Hardware Development: 10%
  - Reserve Funds: 10%
  - Team: 10%
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## Roadmap Highlights

### Q4 2024

- Whitepaper release.
- Prototype IoT hardware development.

### Q1 2025

- Token presale and Initial DEX Offering (IDO).
- Continued app and hardware integration.

### Q2 2025

- Game and app launch with full IoT functionality.

### Q3 2025 and Beyond

- Expanded gameplay features, sustainability partnerships, and staking opportunities.
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## Join Us

Plant2Earn offers an exciting journey merging gaming, blockchain, and sustainability. Whether you're a gamer, plant enthusiast, or eco-conscious individual, this ecosystem provides meaningful engagement with rewards that transcend the virtual world.