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# \$GROW

GiveLife Reforestation Token

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Token	Ticker	Network	Status
GiveLife	\$GROW	Base (Ethereum L2)	Preparing for Launch

<b>100B</b> Total Supply	<b>1%</b> Impact Fee	<b>5M Trees</b> Cause Target	<b>Base</b> Network
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A permanent on-chain funding engine for global reforestation, powered by decentralized trading and verified 501(c)(3) partnerships.

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## The Challenge

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Forests are the planet's primary carbon sink — yet the world continues to lose them at a staggering rate. Approximately 10 million hectares disappear each year: the equivalent of 27 football fields every single minute. Deforestation is responsible for nearly 10% of global carbon emissions, a figure that surpasses the entire commercial aviation industry combined.

Over \$2.3 billion in annual funding flows into reforestation efforts worldwide, and organizations like One Tree Planted, the Arbor Day Foundation, and Trees for the Future have collectively planted hundreds of millions of trees. Yet the net loss continues. The reforestation gap is not a shortage of capable organizations — it is a shortage of consistent, scalable capital.

Traditional fundraising is episodic. Donations spike after media coverage and decline in silence. What the sector needs is infrastructure that generates continuous, predictable funding — automatically, without relying on donor fatigue cycles or seasonal campaigns.

## The \$GROW Approach

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\$GROW is a reforestation token built on Base that converts decentralized trading activity into a steady stream of verified charitable contributions. Each transaction on the liquidity pool triggers an automatic 1% impact fee — collected, converted to USDC, and routed on-chain to 501(c)(3) reforestation nonprofits without any manual intervention.

The token does not ask anyone to change their behavior. Traders participate in a standard DeFi market. The difference is that the underlying smart contract infrastructure redirects a portion of every fee to verified cause partners in real time. Impact is embedded in the protocol itself — not bolted on afterward.

Beyond trading fees, \$GROW introduces a treasury-release model: 50% of total supply is locked until reforestation milestones are verified on-chain. When milestones are reached, an automated supply release bot gradually converts treasury tokens to USDC and donates the proceeds directly to the 501(c)(3) partner — protecting price stability while sustaining long-term funding.

## How the Protocol Works

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The \$GROW impact pipeline runs entirely on-chain. From the moment a trade executes to the moment funds reach a verified nonprofit, every step is handled by smart contracts on Base with no intermediaries, no manual transfers, and no custody risk:

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**Step 1 — Trade Executes.** A buy or sell order on the \$GROW/USDC liquidity pool triggers the pool's fee collection logic. A 3% total fee is applied: 1% designated as the cause impact fee, 2% allocated to Solace platform operations.

**Step 2 — Impact Fee Isolated.** The 1% cause fee is extracted from the transaction and immediately converted to USDC within the same pool contract on Base. No bridging. No intermediate tokens. Stable value, instantly.

**Step 3 — On-Chain Donation Routing.** The USDC is transferred directly to the nonprofit's designated wallet through Endaoment — a registered 501(c)(3) community foundation that accepts and processes crypto donations with full legal compliance and tax-deductible status.

**Step 4 — Verified Impact.** Endaoment disburses funds to the verified partner organization. The entire chain — from trade hash to donation receipt — is publicly verifiable on the Base blockchain.

### On-Chain Transparency

Every \$GROW transaction, fee conversion, and donation transfer is recorded on Base and permanently accessible to any wallet, auditor, or community member. Impact is verifiable, not just reported.

## Automated Supply Release Bot

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A central innovation in \$GROW's design is the automated supply release bot — a protocol-level mechanism that bridges treasury milestones with real-world donations. Rather than unlocking tokens in single lump-sum events that could destabilize the market, the bot disperses releases gradually and methodically, converting each batch directly into charitable funding.

### Release Sequence

**Milestone Confirmed.** When a verified reforestation milestone is reached (e.g. 500,000 trees planted), the treasury smart contract confirms the unlock through a 3-of-5 multisignature authorization from designated Solace committee members. No single party can unilaterally trigger a release.

**Gradual TWAP Selling Begins.** The bot sells small, fixed amounts of \$GROW at programmed intervals using a Time-Weighted Average Price (TWAP) strategy. Spreading the sell across many transactions neutralizes the price impact that a single large sale would cause.

**GROW → USDC Conversion.** Each interval sale executes a swap on Uniswap V3 on Base, converting the released \$GROW to USDC at prevailing market rates. Slippage tolerance parameters prevent execution at unfavorable prices.

**USDC Donated to 501(c)(3).** Converted USDC is transferred immediately to the verified cause partner through Endaoment. Every dollar generated by the bot's sell cycle goes directly to reforestation — no operational cut, no delay.

**Cycle Completes.** The bot continues until the full milestone allocation is converted and donated. All swaps and donations are logged on-chain and publicly trackable in real time.

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## Bot Parameters

Parameter	Specification
Sell Strategy	TWAP — small fixed amounts at regular time intervals
Swap Venue	Uniswap V3 on Base
Slippage Protection	Max slippage enforced per transaction; bot pauses below price floor
Donation Destination	USDC → Endaoment → verified 501(c)(3) partner
Authorization	3-of-5 multisig confirmation required per milestone
Transparency	All transactions publicly verifiable on Base blockchain
Resumption	Bot automatically resumes after market conditions recover

### Why Gradual Selling Matters

A single large unlock dumped on the open market would harm token holders and undermine the project's credibility. The TWAP bot protects the community by pacing sell pressure while maintaining a continuous, predictable flow of USDC donations to the cause partner — every interval of every milestone cycle.

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## Reforestation Mission: 5,000,000 Trees

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\$GROW is structured around a single, measurable goal: funding the planting of 5 million trees. Every element of the tokenomics — from fee collection to treasury releases — is calibrated toward this target. When the community reaches 5 million trees, the automated bot completes its final release cycle and the full treasury allocation has been converted to verified reforestation funding.

This creates clear, shared alignment. \$GROW holders benefit from a thriving ecosystem. Reforestation partners receive sustained capital. The planet gets measurable impact. All three outcomes depend on the same thing: the project succeeding at scale.

## Verified Cause Partners

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\$GROW directs funding exclusively to organizations that meet stringent verification criteria: active 501(c)(3) status, documented reforestation track records, measurable planting programs, and transparent impact reporting. Donations are processed through Endaoment to ensure full legal compliance and IRS-recognized tax-deductible status.

### Target Partner Organizations

Organization	Focus Area	Scale
One Tree Planted	Global reforestation	171M+ trees, 84 countries
Trees for the Future	Agroforestry systems	275M+ trees planted
Arbor Day Foundation	U.S. urban & rural planting	Largest U.S. tree nonprofit
American Forests	Forest conservation	Est. 1875, national scope
Eden Reforestation	Mangrove & coastal restore	High-density planting model
Rainforest Trust	Land protection	International scope

#### Verification Requirement

All \$GROW cause partners must maintain verified 501(c)(3) status, demonstrate a quantifiable reforestation track record, and accept Endaoment's compliance framework before receiving any protocol funds.

## Fee Structure

Every \$GROW transaction carries a 3% protocol fee, split between two functions:

Fee Component	Rate	Function
Cause Impact	1%	Converted to USDC and donated to verified 501(c)(3) partner
Solace Platform	2%	Protocol operations, liquidity management, development, growth

The 1% cause fee is non-negotiable and non-redirectable. It is hardcoded into the smart contract and cannot be altered by any team member or governance vote without a full contract redeployment. This protects donors and partners from fee structure changes after launch.

## Tokenomics

### Supply Allocation

Allocation	Tokens	% Supply	Release Mechanism
Initial Liquidity	20B	20%	Deployed at launch to GROW/USDC pool
\$GROW Treasury	50B	50%	Milestone-gated bot releases → USDC → 501(c)(3)
Solace Team & Operations	10B	10%	Reserved — team, marketing, infrastructure
Nonprofit Partnerships	20B	20%	Treasury held — activated as partners verified

### Milestone Release Schedule

The \$GROW Treasury unlocks in five stages, each tied to a verified reforestation milestone. Releases are not time-gated — they are achievement-gated. Upon each milestone confirmation, the automated bot begins a new gradual sell cycle, converting the unlocked \$GROW to USDC and donating all proceeds to the verified 501(c)(3) partner:

Milestone	Trees Verified	Tokens Unlocked	Cumulative	Bot Action
M1	500,000	10B (10%)	10B / 20%	TWAP sell → USDC → 501(c)(3)
M2	1,000,000	10B (10%)	20B / 40%	TWAP sell → USDC → 501(c)(3)
M3	2,000,000	10B (10%)	30B / 60%	TWAP sell → USDC → 501(c)(3)

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Milestone	Trees Verified	Tokens Unlocked	Cumulative	Bot Action
M4	3,500,000	10B (10%)	40B / 80%	TWAP sell → USDC → 501(c)(3)
M5	5,000,000	10B (10%)	50B / 100%	TWAP sell → USDC → 501(c)(3)

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## Allocation Details

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### Initial Liquidity — 20B (20%)

Deployed directly to the GROW/USDC trading pair on Base at launch. This creates a liquid, functional market from day one. The initial liquidity allocation carries no lock period and establishes the trading baseline from which the impact fee mechanism immediately begins operating.

### \$GROW Treasury — 50B (50%)

The largest allocation is fully locked at contract deployment and released only through the automated supply release bot upon verified milestone achievement. Each release cycle converts \$GROW to USDC via Uniswap V3 and routes the proceeds to the verified 501(c)(3) partner through Endaoment. No treasury tokens can be accessed outside of this protocol mechanism.

Stage	Trees Verified	Released	Running Total	% of Treasury
1	500K	10B (10%)	10B	20%
2	1M	10B (10%)	20B	40%
3	2M	10B (10%)	30B	60%
4	3.5M	10B (10%)	40B	80%
5	5M	10B (10%)	50B	100%

#### Treasury Execution Policy

Upon milestone unlock:

- Multisig (3-of-5) authorization initiates the release
- Bot executes small GROW → USDC swaps at timed intervals (TWAP)
- Slippage controls and price floor prevent adverse execution
- All USDC proceeds donated directly to 501(c)(3) via Endaoment
- Full on-chain audit trail published at each milestone

### Solace Team & Operations — 10B (10%)

Reserved for team compensation, platform infrastructure, marketing campaigns, strategic partnerships, and ongoing liquidity support. This allocation is managed by the Solace core team and is not subject to automated bot releases.

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## **Nonprofit Partnerships — 20B (20%)**

Held in reserve to support strategic cause partner activations as the ecosystem grows. This allocation can be deployed to onboard new verified 501(c)(3) organizations, fund co-branded campaigns, and support partners in building the on-chain infrastructure to participate in the \$GROW protocol.

# Market Landscape

## Reforestation at Scale

Data Point	Figure
Annual global forest loss	~10 million hectares
Cost to plant one tree (average)	\$1.00
Annual reforestation funding	\$2.3B+ globally
Trees planted — One Tree Planted	171M+ across 84 countries
U.S. adults holding digital assets	52+ million
Global carbon offset market (2025)	\$2B+
Forest needed to offset annual CO2	1.6 billion hectares

## Platform Stack

\$GROW is built on a production-grade Web3 stack purpose-built for automated, transparent impact funding:

- **Base (Coinbase L2)** — Low-cost, high-throughput Ethereum Layer 2 network
- **Uniswap V3** — Decentralized AMM for GROW/USDC liquidity and automated fee collection
- **Clanker** — Token deployment framework with configurable reward recipients
- **Automated Supply Release Bot** — TWAP-based gradual selling; GROW → USDC → cause
- **Endaoment** — Registered 501(c)(3) on-chain foundation for tax-compliant donation routing
- **Multisig Governance** — 3-of-5 committee sign-off for all treasury milestone unlocks
- **On-Chain Audit Trail** — Every fee, swap, and donation publicly verifiable on Base

## Roadmap

Phase	Deliverable
Launch	\$GROW token deployed — initial liquidity live — fee mechanism active
Milestone 1 (500K)	First treasury release — bot begins M1 sell cycle — USDC to 501(c)(3)
Milestone 3 (2M)	Full partnership network active — expanded cause partner roster
Milestone 5 (5M)	Final bot cycle completes — 5 million trees funded

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## Summary

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\$GROW is a reforestation token that makes charitable impact a built-in function of decentralized trading — not an afterthought. The protocol embeds a 1% cause fee into every transaction, converts it to USDC on-chain, and routes it directly to verified 501(c)(3) reforestation organizations through Endaoment. Treasury releases are managed by an automated supply release bot that gradually converts milestone-unlocked \$GROW to USDC and donates the proceeds — protecting price stability while funding real-world impact at every stage.

Attribute	Specification
Token	\$GROW — GiveLife Reforestation Token
Network	Base (Ethereum Layer 2)
Total Supply	100,000,000,000 (100 billion)
Cause Impact Fee	1% per trade → USDC → 501(c)(3) via Endaoment
Platform Fee	2% per trade → Solace operations
Initial Liquidity	20B (20%) — Deployed at launch
\$GROW Treasury	50B (50%) — Milestone bot → USDC → 501(c)(3)
Solace Team & Operations	10B (10%) — Reserved
Nonprofit Partnerships	20B (20%) — Treasury held
Bot Mechanism	TWAP sell: GROW → USDC → Endaoment → 501(c)(3)
Milestone Authorization	3-of-5 multisig confirmation per release
Mission Target	5,000,000 trees planted

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**5,000,000 trees. Built into every trade.**

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This document is for informational purposes only and does not constitute an offer to sell securities or financial advice of any kind. \$GROW token values are subject to market volatility. Impact outcomes are contingent on trading volume, nonprofit execution, and verifiable milestone achievement. Treasury release parameters and governance structures may be adjusted based on regulatory guidance or community decisions. The automated supply release bot operates within predefined parameters that may be updated to reflect market conditions. All protocol changes are subject to applicable governance and legal review.