WHITEPAPER

Harvest RWA: Brazilian agribusiness, onchain.

Fixed-term USDC vaults that finance real grain trading operations in Brazil, with monthly yield in USDC on Arc. Version 1.0, November 2026.

01 Abstract

Harvest RWA connects onchain dollars to the real economy of emerging markets, starting with Brazilian agribusiness. Investors deposit USDC, or any supported token from more than 50 networks, into fixed-term vaults on Arc. The capital finances grain trading operations run by an established Brazilian operating partner: grain that has already been harvested is bought from producers and sold to large industries. Yield is paid in USDC on the 11th of every month, and at maturity the principal returns to the vault to be withdrawn or replanted.

The product is live on Arc mainnet since November 29, 2026, at harvestrwa.com. This document describes the operation, the vaults, the rules enforced by the smart contracts, the fees and the risks.

02 The problem

Stablecoin holders mostly earn yield from lending and trading activity that depends on the crypto market itself. At the same time, Brazilian agribusiness runs short, productive and collateralized trading cycles that pay a high cost of capital, funded by expensive local credit. Global capital cannot reach these operations directly: access requires local entities, bank accounts and currency exposure that most investors cannot handle.

03 The Harvest RWA model

The operation

Each vault finances the grain trading cycle of the operating partner, a Brazilian grain trading group with more than ten years in the market. Grain that has already been harvested is bought from producers, stored, and sold to large industries or processed into soybean meal and oil. Because the cycle starts after the crop is in, there is no planting risk in the operation.

- The operating partner puts in 20% of the capital of each operation with its own funds, in a subordinated position.
- The operating partner guarantees the principal invested through the vaults.
- Deposits go directly from the vault to the operating partner’s wallet in the same transaction; the vault does not hold idle capital.

RWA tokens

When vault capital reaches the operating partner, the partner issues to the Harvest RWA wallet a token that represents that grain operation: one token for every R$1 of the operation. Harvest RWA holds these tokens in a public wallet, so anyone can verify onchain the position held in each contract. Investors hold a position in the vault, backed by those tokens; they do not own the commodity directly.

04 Vaults and rates

Two vaults run over the same operation. The USDC vault returns the principal in the same USDC; the operating partner absorbs the currency conversion. The BRL vault follows the operation in Brazilian reais, with higher target rates and currency exposure, and settles in USDC.

Vault	1 month	3 months	6 months	12 months
Harvest USDC Vault	10%	11%	12%	15%
Harvest BRL Vault	12%	15%	20%	30%

Rates are target annual rates (APR) per lock period. Each position keeps the rate it had at deposit for its whole term, even if the vault's rates change later. Minimum deposit: 10 USDC. Capacity: 1,000,000 USDC per vault.

05 Lifecycle of a position

1. **Plant.** The investor chooses a vault and a term of 1, 3, 6 or 12 months and deposits. The operation fee is deducted and the net amount becomes the position's principal.
2. **Grow.** The position starts earning 24 hours after the deposit, the time the operating partner needs to put the capital to work.
3. **Harvest.** Yield is paid in monthly rounds that run from the 11th to the 11th, the same calendar and the same payday for every position. Each round ends on the 11th, and its yield is paid that same day by 18:00 Brasília time, which every person sees in their own local time. When a round ends, the operator deposits that month's yield and each position can harvest its share, proportional to its principal, rate and days earning in the round. A position starts earning 24 hours after the deposit, so a deposit made on the 9th starts earning on the 10th and already receives a proportional first harvest on the 11th. The last stretch between the final 11th and maturity is paid on the following 11th, and the principal returns at maturity. Over the full term every position receives the same total for the same amount, rate and term.
4. **Maturity.** At maturity the operating partner returns the principal to the vault, and the investor withdraws it or replants it into a new term with no new fee.
5. **Early withdrawal.** Before maturity, the investor can request an early withdrawal. From the request on, the position stops earning; the investor receives 75% of the invested principal within 30 days at most, possibly sooner, and keeps the yield of completed months. The remaining 25% stays with the operating partner.

06 Universal Deposit and routing

Investors do not need USDC on Arc to invest. Each investor has a personal deposit address per vault and term, computed by the Universal Deposit router. A route converts the token the investor holds into USDC on Arc and delivers it to that address; a settlement call then deposits it into the vault in the investor's name. That settlement step is safe by design: it can only ever create a position for the investor who owns the deposit address, so Harvest runs it automatically and no one can redirect the funds. If funds ever wait at the deposit address, the investor can complete the deposit personally or send the USDC back to their own wallet at any time.

Routes are compared across LI.FI, Circle CCTP (direct burn and mint of native USDC) and KyberSwap. The recommended route is the one that delivers the most after all fees; among routes within 0.1% (or 0.02 USD) of the best, the fastest wins. Every alternative is shown with what it delivers and how long it takes, and the investor can choose another one. The same engine powers the public Swap & Bridge on harvestrwa.com.

07 Fees

- Operation fee on each deposit: 1%, or 0.5% for deposits of 10,000 USDC or more, sent to the treasury in the deposit transaction.
- Replanting at maturity pays no fee.
- Swap and bridge routes through harvestrwa.com, for deposits and for the public Swap & Bridge: 0.15%, plus the network and provider fees shown before confirming.

08 Smart contracts and governance

The vaults are non-upgradeable contracts on Arc (minimal clones of a single implementation), created by a factory. Positions are non-transferable records inside each vault. Administrative changes such as the partner wallet, the treasury or fee settings go through a public timelock with a one hour delay, so every change is visible onchain before it takes effect. Separate roles exist for the operator (monthly rounds, principal return, early withdrawal funding) and for pausing new deposits; a pause never blocks harvests or withdrawals.

The contracts are covered by 283 automated tests, including invariant and fuzz suites, and were reviewed with Arc Studio. An independent audit is the next step on the roadmap.

Harvest USDC Vault	`0x48892Dea3B358E12e01188aa1dD0aB29441FB744`

Harvest BRL Vault	`0xa8dC5296B337Bb52733E3682C1f9B950c5Bc1c4A`
Vault factory	`0xF51c5389e02BaaD3Ba988D8bF604cb18631A6c29`
Universal Deposit router	`0xec95ccB56658723BeE4c44e31e1e597228cd1C1B`
Timelock (admin)	`0xa842dB9ba5f769C9d118955284FBE25ba4379949`
Vault implementation	`0xa0640829c25f1c35271e2836140D4c6B6775FC69`

09 Transparency

Every deposit, monthly round, harvest, withdrawal and early withdrawal is recorded onchain. Investors follow each position in My Harvest: the principal, the countdown to the next harvest, what has been harvested and the maturity date. The RWA tokens that back the operations are held in a public wallet.

10 Risks

- **Market and timing.** The operation buys grain that is already harvested, so there is no planting risk. Prices and logistics can affect timing, and the operating partner's 20% subordinated capital is the first layer standing between the operation and the investors' capital.
- **Currency.** Operations run in BRL. In the USDC vault the operating partner absorbs the conversion. In the BRL vault the exchange rate applies at entry and at each payment.
- **Lock-up.** Capital stays in the operation for the chosen term. Leaving earlier is possible on request, but only if you choose to leave early: in that case 75% of the capital returns within 30 days and 25% stays with the operating partner. At maturity, 100% of the principal returns.

11 Roadmap

- **Now.** Live on Arc mainnet: USDC and BRL vaults, Universal Deposit from more than 50 networks, portfolio with monthly harvests, public Swap & Bridge.
- **Next.** Independent audit, multisig administration with a longer timelock, card purchases of USDC, and wallets with Google login.

- **Then.** New real-world operations join as vaults once structured and verified, on the same architecture.

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12 Contact

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See also the FAQ.