GUIDE

How to Open a Farm in Farmix

Farmix is leveraged yield farming protocol.
It allows you to increase the size of your farm using asset collateral and significantly boost your APR.
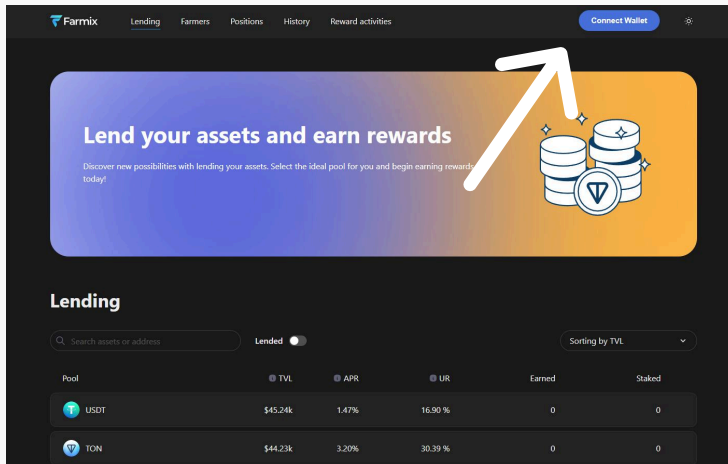
Go to farmix.tg

INSTRUCTIONS

Connect Your Wallet
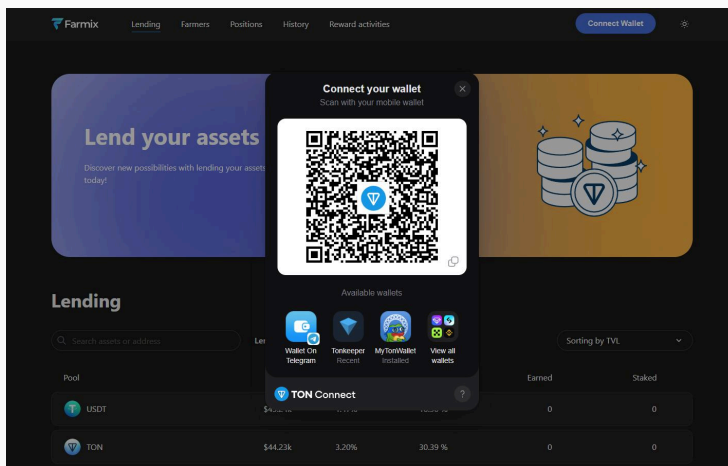
STEP 1

On the app.farmix.tg/lending, click the Connect Wallet button.

For working with the Farmix protocol, we recommend connecting **Tonkeeper** or **MyTonWallet**, as TON Space may display an incorrect gas amount.

Choose a Farm

STEP 2

Select the farm you are interested in on the page [app.farmix.tg/farmers.](app.farmix.tg/farmers)

Next, we will demonstrate using the STORM/TON farm as an example.

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Fill the form

Position

Strategy	STONFI_V2
Borrow asset	🔷 TON

STORM 🗋 0

⚡ **0**

25% 50% 75% 100% $0

TON 🗋 15.76

🔷 **0,1**

25% 50% 75% 100% $0.5089

Leverage

○————————————————— **x1.00**

APR 51.63%

Open Farm ⓘ ⬤

Leverage	x1.00
Borrow Amount	0.00 TON
Utilization After	30.39%
Estimated Health Factor	0.00
Slippage Tolerance	3%
Min Swap Out	
Min Lp Out	

Open position

1. First, select Borrow Asset – this is the asset you will borrow for leverage in the farm. For the STORM/TON farm, the only available borrowing asset is TON.

2. Enter the amount of STORM and TON you will provide as collateral.

In Farmix, you can open a farm with just one token—it is not necessary to provide both tokens.
The smart contract will automatically convert the tokens into a 50/50 pair and generate LP tokens

Important!
Keep in mind that leverage is only available for collateral in TON, USDT, tsTON, stTON, and NOT.

3. Select the leverage (using the Leverage slider) to determine the level at which you want to open the farm.

The higher the leverage, the higher the farm's APR, but the greater the liquidation risks as well.

Think of leverage as a multiplier applied to your collateral.

COLLATERAL × LEVERAGE = FARM SIZE

4. Click Open Position at the bottom, sign the transaction in your wallet, and within a few minutes, your first farm will be opened. From this moment, the farm will start earning boosts and farming yields—rewards for providing liquidity.

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Position Management
Position Page

On the Positions page, you can see all your open farms.

Symbol
Token Pair.

DEX
The decentralized exchange where the position is opened.

Operating Value
Current position size (collateral + borrowed funds).

Health Factor
The higher the value (>1), the further the position is from liquidation.
If HF ≤ 1, the position will be liquidated.

Debt Interest
The loan amount that the position will need to repay upon farm closure.

Add Button
By clicking the Add button, you can add collateral.

Close Button
By clicking the Close Position button, you close the farm, and your rewards + collateral
are sent to your wallet address.

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Farm page
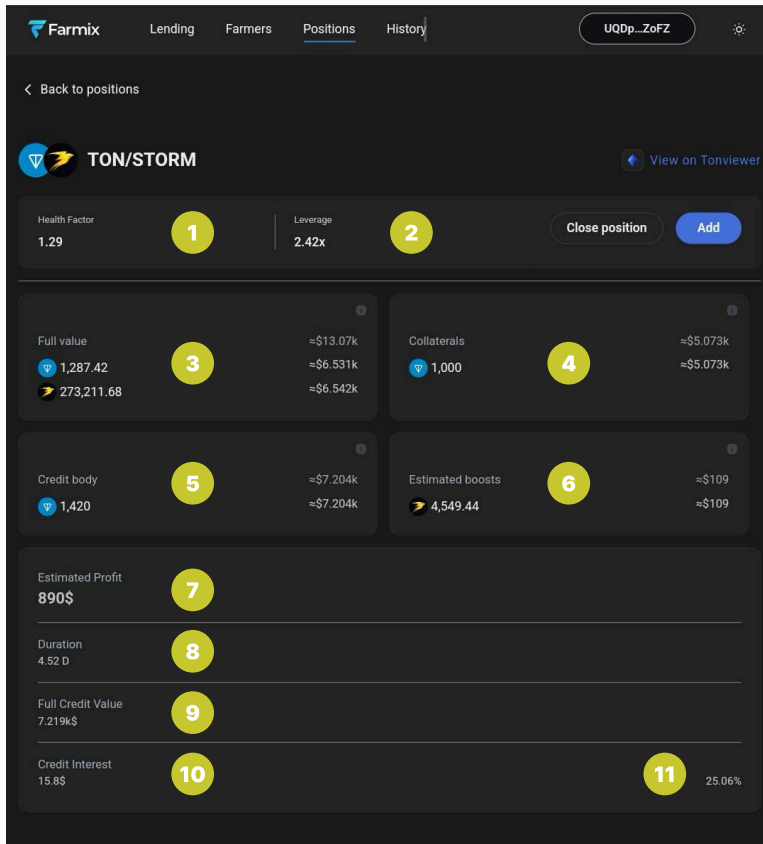
1 Health Factor

2 Leverage
The active leverage in the position.

3 Full Value
The total value of the farm and the assets it consists of.

4 Collaterals
The value and composition of the collateral assets.

5 Credit Body
The value and the asset in which the leverage (borrowed funds) is provided.

6 Estimated Boost
The approximate number of boosts you will receive at the moment of farm closure.

7 Estimated Profit
The farm's P&L (Profit and Loss), which depends on the asset values and the estimated boost.

8 Duration
The current duration of the farm's operation.

9 Full Credit Value
Credit Body + Credit Interest.

10 Credit Interest
The amount the farm will pay for the borrowed funds upon closure.

11 Credit Interest Rate
The annual interest rate on the borrowed funds.

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How Farm APR is Calculated

Farm APR in Farmix consists of two components:

Pool APR
These are yields paid to liquidity providers (LP holders).

Farm APR
These are boosts provided to liquidity providers who open farms using LP tokens.

The Farmix APR formula is as follows:

APR FARMIX = POOL APR + FARM APR – CREDIT INTEREST (ANNUAL RATE)

How Liquidation Works

To understand how liquidation works, we need to familiarize ourselves with two key concepts: **Threshold** and **Health Factor.**

> *It is important to understand that in Farmix, positions are not liquidated 100%. You will always receive the remaining assets after liquidation, which are sent to your wallet address.*
> *This is possible due to the precise calculation of the **Health Factor** and the presence of the **Threshold** mechanism.*

1. Threshold

Each token in the farms has its own Threshold.

In the context of DeFi and margin farming protocols for liquidity pools, the Threshold is a value that determines when certain mechanisms within the protocol are triggered.

The Threshold can be linked to various aspects of these systems, but in margin farming, it is primarily used to protect against liquidation risks and manage capital efficiently.

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WHY IS THE THRESHOLD NEEDED?

Protection from Liquidation
Helps reduce risks for investors by minimizing the chance of their position being fully liquidated.

Risk Management
In margin farming, it is crucial to prevent scenarios where the liquidity pool or an investor's position becomes too vulnerable. Thresholds help automate protection mechanisms to manage these risks effectively.

THRESHOLD B FARMIX:

UsdtPoolProd

- TON: 78
- NOT: 67
- STON: 60
- USDT: 90
- TsTON: 72
- StTON: 72

StonfiTonPoolProd

- TON: 82
- NOT: 67
- BUILD: 60
- STORM: 60
- PX: 50
- USDT: 90

NotPoolProd

- TON: 78
- NOT: 67
- USDT: 90

StTonPoolProd

- USDT: 90
- StTON: 72

TsTonPoolProd

- USDT: 90
- TsTON: 72

2. Health Factor

The Health Factor is used to assess the status of your position in the protocol, where you can borrow funds, provide liquidity, or engage in margin farming.

Simply put, the Health Factor indicates how safe your position is in terms of liquidation risks. It is a numerical coefficient that helps determine the current levels of your collateral and debt, and how close your position is to liquidation.

EVERY POSITION WITH LEVERAGE > 1 HAS ITS OWN HEALTH FACTOR.

Health Factor > 1,3
Considered moderate.

Health Factor = 1
Liquidation of the position occurs.

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The Health Factor increases when the value of your collateral rises and decreases when the value of borrowed assets or Debt Interest increases.

If the Health Factor drops to 1, liquidation occurs. For the protocol, this triggers the following process:

1. The liquidator detects a position with a low Health Factor and initiates liquidation.
2. The farm is closed, and the smart contract converts LP tokens into individual tokens.
3. The smart contract uses all borrowed tokens obtained from the LP conversion to repay the loan.
4. If the debt is not fully covered, the liquidator buys the second token from the farm using the borrowed token at a 5% discount, continuing until the loan is fully repaid or the farm runs out of assets.
5. Any remaining tokens, including boosts and earned yields, are returned to the farmer.