



PEST FREE
TOKEN
Pest eradication made easy

Pest Free Token (\$PFT) Whitepaper

April 2024

This document discusses the technical aspects of the Pest Free Token project's cryptocurrency.

TRANSPARENCY - COMMUNITY - INTEGRITY - SERVICE

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Who are we

We are a national solution to a national problem

25 million native birds die each year in New Zealand from introduced pests. The New Zealand government and New Zealanders (known as 'kiwis') have committed to being pest-free by the year 2050.

We are committed to addressing the limited funding of pest eradication

The biggest hurdle to becoming pest-free is limited funding. There are lots of people and organisations in New Zealand with the knowledge and energy to carry out the necessary work to become pest-free, but they need more funding.

Kiwi ingenuity is in our DNA

The Pest Free Token project was established in October 2021 for the sole purpose of contributing towards the eradication of introduced pests in New Zealand.

Our charitable project has two aspects: PFT traps and the \$PFT cryptocurrency.

The \$PFT cryptocurrency is both New Zealand's first crypto-for-charity and most environmentally friendly cryptocurrency.

We are charitable and values driven

We donate 100% of all profit raised to pest eradication.

Our charitable purpose is enshrined in our founding legal documents. Read them here: www.pestfreetoken.co.nz/legal

Our four values drive everything we do: Transparency, Community, Integrity, and Service.

Learn more about our project and how we live and breathe these values on our website: www.pestfreetoken.co.nz

Our team comes from diverse backgrounds with a wide range of experience

Our team are specialists in cryptocurrency, pest eradication, and charitable ventures.

Meet our team: www.pestfreetoken.co.nz/team



Photo: Left to right: Alex, Patrick, and Harrison (2022)

What Pest Free Tokens (\$PFT) are

\$PFT is the 'native token' of the Pest Free Token project

Pest Free Tokens (\$PFT) are the cryptocurrency we created to help fund the eradication of introduced pests in New Zealand.

\$PFT runs as a smart contract on the Polygon network.¹

Contract: [0xE6f0523B9DD59ca6166ECeC3Ae7e7cedF77A731](https://polygonscan.com/address/0xE6f0523B9DD59ca6166ECeC3Ae7e7cedF77A731)

Token Tracker: [here](#)

\$PFT can be bought and sold via multiple platforms

The tokens can be purchased and sold directly via the [QuickSwap Dex](#) (a decentralised exchange).

You can connect your wallet directly via the widget on our website: www.pestfreetoken.co.nz/trade

The token is also soon to be available to trade via other retail exchanges (eg, Easy Crypto).

The tokens have three main functions

The tokens provides:

1. automated liquidity
2. direct distribution
3. token management.

This means safe, secure, and hassle-free transactions at the same time as yield-generation for holders.

You can earn free tokens by simply holding the \$PFT token

Those who hold \$PFT tokens (known as 'holders') accumulate more tokens automatically.

This is because a portion of all token sales is distributed to wallets that already have \$PFT in them.

You can earn free tokens by catching pests

People who catch pests in a physical PFT trap box are eligible for free reward tokens.

This encourages the catching of pests and provides a tangible and real-world application to the cryptocurrency.

See our Catch Payment Policy: www.pestfreetoken.co.nz/legal



Photo: Marie catching pests in her PFT trap (2023)

¹ In the world of cryptocurrency/blockchain, tokens run on networks. Think of a token as a car and the network as the road. There are many types of road (eg, dirt, urban, speedway), and each offer unique benefits.

How Pest Free Tokens (\$PFT) fund pest eradication

A simple 3% fee on every sell transaction

When/if you sell your \$PFT tokens we take 3%.

You still keep the other 97%.

We **do not charge a fee when you buy \$PFT** or move your tokens from one wallet to another.

The fee is automatically distributed

That 3% fee is automatically distributed between:

1. the charity; and
2. people who already hold the \$PFT token.

That means by buying and holding the \$PFT token you will get a portion of all future sale transactions.

There is more detail on the genesis distribution and fee distribution in the pages below.

Liquidity and inflationary price pressures are built in

Some of the 3% fee is also automatically distributed to the liquidity pool and the burn wallet.

- The liquidity pool distribution ensures there are always enough tokens in the market to trade.
- The burn wallet distribution ensures the total number of tokens available to trade get rarer, which in turn puts an inflationary pressure on the price of \$PFT.

This 'burn-step' makes \$PFT what is known as a 'deflationary token'.

There are plenty of resources online if you'd like to learn more about how liquidity pools and burn wallets work.

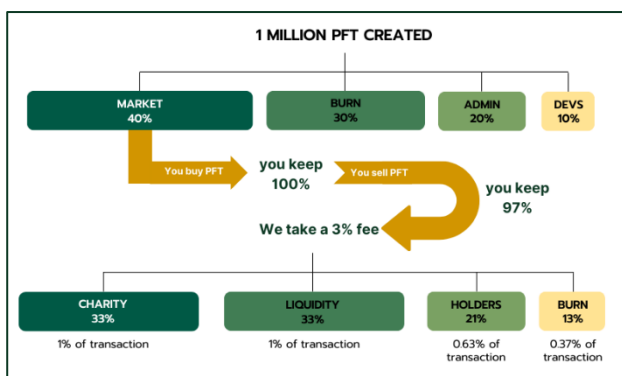
Transaction fees are a common element of various cryptocurrencies

Fees allow cryptocurrencies to achieve more than simply capital gains for holders.

Don't worry, you still get to make your capital gains on \$PFT, we are just pinching a small amount for New Zealand's native birds!

Fees exist in every aspect of modern life. But rather than keeping it all for ourselves (like a bank or Eftpos etc) we are making sure it goes to a good cause.

Process in flowchart form

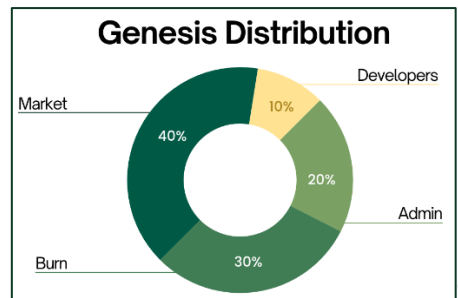


Genesis distribution

\$PFT launched on the Polygon network with a total supply of 1 million tokens on genesis

On the 28th of February 2024; the \$PFT contract was deployed on the Polygon network with 1 million tokens.

Market supply ²	400,000	40%
Burn ³	300,000	30%
Administration ⁴	200,000	20%
Developers ⁵	100,000	10%
Total	1,000,000	100%



\$PFT cannot be mined

We fully minted the contract. This means there will never be more than 1 million tokens.

This has several advantages such as certainty, being more environmentally friendly, and having less risk to our community with no future token dilution.

30% of the genesis distribution was sent to a burn wallet

'Burn' is a crypto term where tokens are sent to an 'address' that no one has the private keys to, rendering them gone forever.

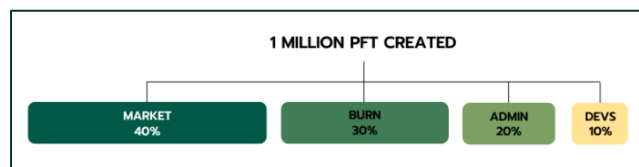
This acts as an immediate deflationary force on the token, which is an inflationary pressure on the token price.

The Administration Wallet has multiple functions

The project retains an Administration Wallet to pay for project expenses such as the website and catch payments (to those who catch pests in PFT traps).

The Administration Wallet is subject to the strong legal protections within our company constitution, including that the assets and income can only be used for our charitable purpose.

Process in flowchart form



² 50% to project pledgers, 50% to liquidity.

³ 0x00

⁴ 0x67973eCce144B9798B19C4f655A1E58AA61b6690

⁵ 0xc504314130b25CdD53DC8cE8A23abAC34F7AE8d5, 0x73057568346427094534BA9911bc877D99280Ac5

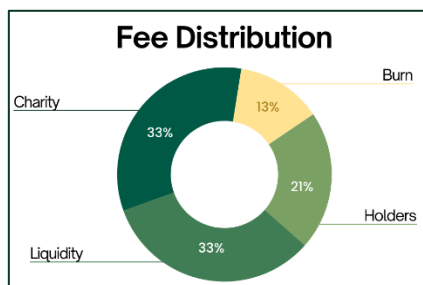
⁶ The genesis figures are based on the BSC distribution and slightly deviate given the passage of time.

Tokenomics

The fee comprises four simple functions: Charity, Liquidity, Burn, and Reflection

1. **Charity:** 33% is sent to the Pest Free Token Charity Wallet.⁷
This wallet is earmarked for organisations that meet the Pest Free Token Trust’s purpose.
2. **Liquidity:** 33% is sent to liquidity and paired with MATIC.
This means there are always sufficient \$PFT tokens to trade.
3. **Burn:** 13% is burnt, which means it is gone forever.
Don’t fear; this means the tokens you hold get rarer (remember, no mining so less supply). With the total amount burned growing over time, the amount of available supply decreases as the burn rate increases, forcing appreciation and asset-value protection. Deflationary magic!
4. **Reflection:** 21% is sent automatically by the blockchain to all holders of \$PFT Tokens.

Watch your wallet grow without lifting a finger!



Reflections are paid in MATIC

All reflections are paid in MATIC, not the \$PFT native token.

This means:

1. Your wallet will accumulate Matic tokens
2. Your reflection earnings are exposed to Matic price fluctuations.

The system accounts for administration expenses

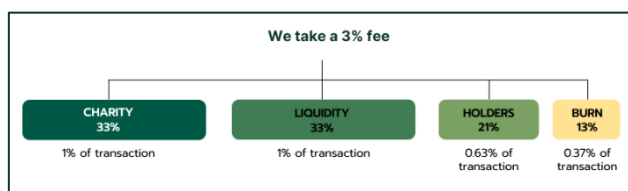
Some of the reflection goes to the Administration Wallet to keep the lights on.

Any unspent funds from the Administration Wallet reflection will be sent to the Charity Wallet, which means even more funds to stop those pesky pests.

You may have tax Implications

Depending on your position, tokens earned through reflection may cause a tax obligation for you. We suggest you seek independent advice.

In flowchart form



⁷ 0xeF43c2cd2559d1EC2997163Ad99184457bf0865a

Safety features

The safety of the project is paramount to us. Given Pest Free Token aims to grow with its community, multiple measures have been taken to ensure the project's safety.

Our team are dox'd	<p>That means you can see who we are (including our pretty faces) and check out our backgrounds.</p> <p>Meet the team: www.pestfreetoken.co.nz/team</p>
Profit must be given to charity	<p>The company⁸ that oversees the Administration Wallet and Charity Wallet has a constitution filed with the Companies Office. That constitution contains an entrenched profit clause.⁹</p> <p>Read our founding documents: www.pestfreetoken.co.nz/legal</p>
Assets can only be used for charitable purposes	<p>Both the Constitution and Charity's Trust Deed contain entrenched clauses preventing the use of assets for any other purpose.</p> <p>These assets include the Pest Free Token contract.</p> <p>Read our founding documents: www.pestfreetoken.co.nz/legal</p>
The Liquidity Pool is periodically locked	<p>To ensure a long life for Pest Free Token, liquidity is added to the Liquidity Pool with every buy and sell transaction.</p> <p>As the Liquidity Pool is periodically locked, no one can randomly pull the liquidity out. The more transactions, the higher the floor!</p>
Developer tokens won't be touched for a minimum of 24 months	<p>This means that the developers have left the project to the community by committing to not access their developer tokens to ensure that a developer rug-pull can't happen.</p> <p>There may still be holders with large amounts of tokens, as any long-term holder could become a 'whale' one day with the number of tokens being burnt and liquidity being added.</p>
We publish all project wallet addresses for transparency	<p>Charity: 0xF43c2cd2559d1EC2997163Ad99184457bf0865a</p> <p>Administration: 0x67973eCce144B9798B19C4f655A1E58AA61b6690</p> <p>Developer 1: 0xc504314130b25CdD53DC8cE8A23abAC34F7AE8d5</p> <p>Developer 2: 0x73057568346427094534BA9911bc877D99280Ac5</p> <p>Burn: 0x00</p>
We publish all important documents for transparency	<p>Read our policies, terms, conditions, reports, and founding documents: www.pestfreetoken.co.nz/legal</p> <p>Please email us if you have any questions: info@pestfreetoken.co.nz</p>

⁸ Pest Free Token Limited, NZBN: 9429049953466.

⁹ meaning it cannot be changed, even on 'wind-up'.

Additional considerations

We took special care to ensure \$PFT is environmentally friendly

We recognise the harmful impacts some cryptocurrencies have on the environment.

\$PFT is fully minted and cannot be mined. This not only reduces fees to our community but ensures the token has a net positive impact on the environment.

\$PFT is made even more environmentally friendly by focusing on conservation efforts; helping to offset, mitigate, and potentially reverse the damage done by humans.

We chose the Polygon network for five main reasons

\$PFT runs on the Polygon network for a range of different reasons, including; low network fees (approx. 1 cent a transaction), reliability, decentralisation, environmental impact, and utility.

Polygon provides greater project automation and transparency.

Amongst other things, we will use Polygon to automate our Catch Payment Policy, and add Trust activity to the blockchain (eg, trap deployments, project donations, pest catches).

We hope to be one of the first projects to have our entire project on the blockchain, giving 100% transparency to our community!

We decided to have fees on sales only

We saw purchase fees as being a barrier of entry to the project.

Having a fee on the sale only reduces these barriers of entry and also encourages people to hold the token.

Both elements have an inflationary price impact, which is ultimately a benefit to holders and native birds.

We chose to use blockchain technology for three main reasons

There are many advantages to using blockchain technology, from cost efficiency to transparency, but for us it was:

1. Why not!

Kiwis always pride themselves on thinking outside the box and you don't get more outside the box than this.

We have already proven the concept works.

2. Massive funding potential

The entire global cryptocurrency market is huge, worth at times upwards of \$5 trillion NZD. Even 1% of that market would solve our nation's pest problem.

So, we did what any normal kiwi would do and created our own cryptocurrency to make sure our native birds get a slice of the pie!

3. More needs to be done

We knew more had to be done to become pest-free by 2050. Government funding will never be enough and will always be subject to changes in policy or politicians.

A longer-term and more independent solution is needed.

The Pest Free Token project is the first crypto-for-charity in New Zealand and is challenging the way people can be charitable

We wanted to create a way for people to still enjoy the gains from cryptocurrency whilst making a positive impact at the same time.

The \$PFT allows you three simultaneous opportunities:

1. Access capital gains

You can sell your tokens whenever you want.

Buy them low and sell them high and walk away with profit (less the small 3% project fee).

2. Generate income

You earn a small portion of all future sale transactions simply by holding our token.

3. Help save our native birds

100% of the small portion of all sale transactions we earn goes to pest eradication.

Now you can effectively make money at the same time as helping our charitable cause. Win-win!

Your ability to contribute to the Pest Free Token project is not limited to the \$PFT cryptocurrency

We respect that not everyone interested in our project is also interested in cryptocurrency.

Beyond the \$PFT cryptocurrency, you can still order a physical trap or make direct fiat donations to our charity, the Pest Free Token Charitable Trust.

Our charity is fully registered, which means we can issue donation certificates so you can get 1/3rd back at tax time.

Links:

- Charities Register: <https://register.charities.govt.nz/Charity/CC59495>
- Donations: www.pestfreetoken.co.nz/donate
- Order a trap: www.pestfreetoken.co.nz/traps

We seamlessly shifted from the BSC network

The Pest Free Token project first launched in April 2021 on the Binance Smart Chain (BSC).

At the time, the BSC offered the token utility and control we wanted. However, as the project continues to mature, we identified Polygon as the best option to allow us to remain viable and continue growing - for the benefit of our community and native birds.

In shifting to Polygon we made three noticeable changes:

1. The number of genesis tokens

On the BSC, \$PFT had 10 billion genesis tokens. On Polygon there are 1 million genesis tokens (ie, we dropped 4 zeros).

The genesis distribution percentages do not change (ie, 40% still goes to market, 30% to burn etc).

Reducing the number of zeros not only gives the \$PFT token a starting value closer to \$1NZD, it is also easier to

read and comprehend (eg, no more counting the number of zeros in the price \$0.00005)

On migration, we transferred the same ratio of \$PFT held on the BSC to Polygon. This means on migration day your wallet's fiat value did not change.

For example:

Say you held 20 million (20,000,000) \$PFT tokens on the BSC, and those tokens represented 2% of the total number of BSC tokens and were worth NZD 1,000 on migration day. You would have then received 2,000 \$PFT on the Polygon network, which would represent 2% of the total number of Polygon tokens and were worth NZD 1,000 on migration day.

Migration day	On BSC	On Polygon
\$PFT Tokens you held	20,000,000	2,000
% of total tokens you held	2%	2%
\$PFT Price in NZD	\$0.00005	\$0.5
Your wallet value in NZD	\$1,000	\$1,000

2. We removed the tax on purchases and transfers

\$PFT on Polygon has a 3% tax on sales only (ie, when a holder sells their token).

When \$PFT was on the BSC network, the 3% tax was also on purchases and transfers too.

As explained above, the tax was removed from purchases and transfers to reduce barriers of entry and encourage people to hold the token. This creates an inflationary pressure on price.

3. We changed the reflection token

On the BSC, \$PFT reflections were paid in \$PFT.

On Polygon, \$PFT reflections are paid in Matic.

We are committed to Pest Free Token's success

Sometimes it only takes a few good folks to stand up and make a change. Come join our movement and become part of the positive impact us kiwis pride ourselves on. Our native birds are depending on it.

Final comments

Cryptocurrency has risks. This document is not financial or legal advice. You should always do your own due diligence and never invest more than you can afford to lose. Please read our various policies and Terms of Use: www.pestfreetoken.co.nz/legal

