

**AGRI FUTURE TOKEN
[AGRF]**

**REVOLUTIONIZING
AGRICULTURE
WITH BLOCKCHAIN**



Technical Blueprint of Farmer's BEP - 20 Token

Version 1.4

0x0C0AE048D2D0b50E7d8a2870556419d6B59b6A47

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TABLE OF CONTENTS

1. AGRI FUTURE TOKEN	1
What is it?	2
Introduction	3
Market Analysis	4
Our Key Statistics	5
2. TECHNICAL ARCHITECTURE	6-10
System Architecture	6
Technology Stack	7
Security Protocols	8
Data Management and Storage	9
Scalability and Performance Optimization	10
3. TOKENOMICS	11
5. TOKEN ALLOCATION	12
4. USAGE POLICY	13
6. PANCAKESWAP ON BINANCE SMARTCHAIN	14
7. PANCAKESWAP	15
8. APPLICATION	16
Agricultural Product Tracking	16
9. LAND MANAGEMENT	17
10. AGRI FUTURE TOKEN ROAD MAP AND STRATEGY	18-20
11. TECHNICAL INFORMATION	21
12. LEGAL AND REGULATORY CONSIDERATION	22
Compliance	22
Risk Management	22
13. TEAM AND ADVISORS	23
Core Team	23
Advisory Board	23
14. EMPOWERING FARMERS	24
15. AGRI FUTUTRE SERVICES	25-26
16. CONCLUSION	27



AGRI FUTURE TOKEN

WHAT IS IT ?



KEY FEATURES

- ✓ Token Type: BEP-20 Token
- ✓ Total Supply: 1 Billion Tokens
- ✓ Initial Offering: ICO on 15th August 2023
- ✓ Key Features: Facilities purchase, sale and lease of agricultural goods and lands through AGRI FUTURE TOKEN



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INTRODUCTION

- **Blockchain Technology** is poised to transform numerous sectors across the globe, and agriculture is no exception.
- **The Agri Future token** project emerges at a critical time, as the agricultural sector faces unprecedented challenges such as price volatility, lack of access to markets, and inefficiencies in supply chain management.
- By leveraging the **Binance Smart Chain**, the Agri Future token provides a decentralized, secure, and efficient mechanism for transactions, which is particularly beneficial for rural and underserved communities.



MARKET ANALYSIS

- **The Global Agricultural** market is a cornerstone of the world economy, supporting the livelihoods of over 60% of the world's population.
- However, this sector has been slow to adopt new technologies, which has often resulted in inefficiencies and inequities in the distribution of resources and profits.
- **The advent of blockchain technology offers a unique opportunity to address these challenges head-on.**



Our Key Statistics

1- **Global Reach :** Agriculture contributes to 4% of the global gross domestic product (GDP), with higher proportions in developing countries

2- **Inefficiency and Loss :** Approximately 30% of agricultural produce is lost due to inefficiencies in the supply chain, representing a significant economic waste.

TECHNICAL ARCHITECTURE

TECHNICAL SPECIFICATIONS FOR AGRI FUTURE

1. System Architecture

Overview:

Agri Future leverages the Binance Smart Chain (BSC) to provide a robust, scalable, and decentralized platform for agricultural transactions.

The architecture integrates blockchain nodes, smart contracts for transaction processing, and a dedicated data layer for secure information storage.

Core Components:

Node Network: Utilizes a decentralized network of nodes on BSC, ensuring fast transaction times and reduced costs, with a Proof of Staked Authority (PoSA) consensus mechanism.

Smart Contracts: Employ smart contracts for automating sales, leases, and inheritance transfers of agricultural lands, as well as the trade of agricultural goods.

Data Layer: Employs encrypted storage solutions on-chain and off-chain to manage data about transactions, user credentials, and agricultural product tracking.

TECHNICAL ARCHITECTURE

2. Technology Stack

Languages and Frameworks :

Smart contracts written in Solidity, with web and mobile front-ends developed using React and React Native.

APIs and Interfaces:

RESTful APIs for third-party integrations with agricultural analytics and forecasting tools.

Development Tools:

Uses Truffle Suite for smart contract deployment and testing, along with Ganache for local blockchain simulation.

TECHNICAL ARCHITECTURE

3. Security Protocols

Encryption Techniques :

AES encryption for data at rest, SSL/TLS for data in transit.

Authentication Mechanisms :

Integrates OAuth 2.0 for secure API access, utilizing JSON Web Tokens (JWT) for maintaining session states across client requests.

Smart Contract Audits:

Conducted regular audits by independent third parties to ensure the absence of vulnerabilities like reentrancy, overflow/underflow, and gas limit issues.

Network Security:

Implementation of rate limiting, regular node security audits, and continuous monitoring to protect against network-level attacks.

TECHNICAL ARCHITECTURE

4. Data Management and Storage

Database Technologies

Combines the use of MongoDB, a NoSQL database, for flexible data handling and rapid querying, with blockchain for immutable record-keeping.

Data Integrity:

Utilizes cryptographic hashing and Merkle proofs to ensure data integrity across the blockchain network.

Data Privacy:

Adheres to GDPR and similar regulations by implementing data minimization principles and ensuring user data can be pseudonymized.



TECHNICAL ARCHITECTURE

5. Scalability and Performance Optimization

Scaling Techniques:

Implements state channels for off-chain transaction processing to improve scalability and reduce latency.

Load Balancing:

Uses a combination of BSC load balancers and custom - developed solutions to distribute network traffic and computational loads efficiently

Caching Strategies:

Caches frequently accessed data using Redis, enhancing responsiveness and reducing the load on primary databases.

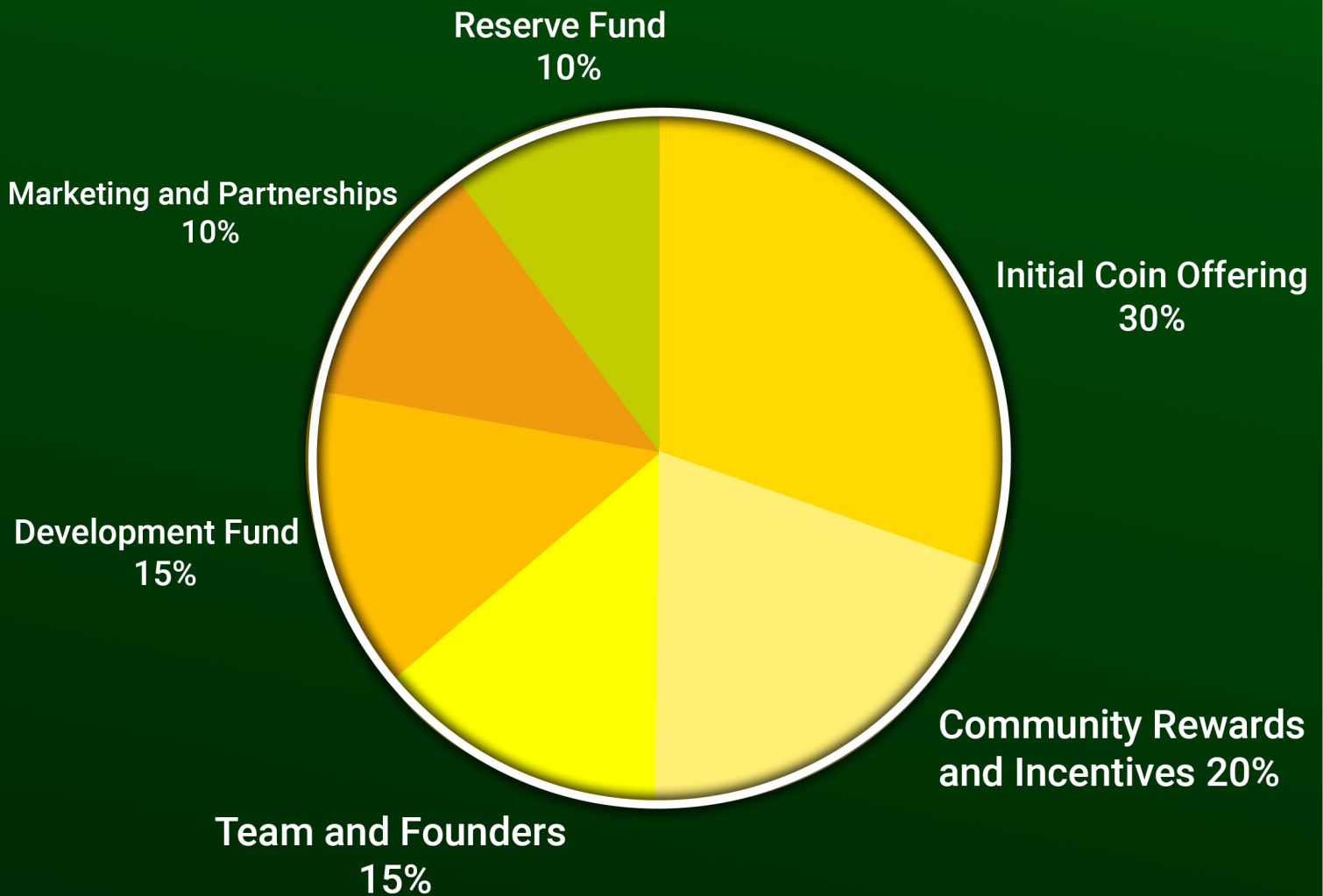
TOKENOMICS

Total supply and Distribution

Agri Future Tokens(AGRF) have a capped total supply of 1 billion tokens, strategically distributed to support the project's growth and sustainability

- **Initial Coin Offering(ICO):** 30% to fuel initial development and operational needs.
- **Community Rewards and Incentives:** 20% to encourage user engagement and network preparation.
- **Team and Founders:** 15%, vested over 2 years to align long-term objectives.
- **Development Fund :** 15% for ongoing innovation and project scalability.
- **Marketing and Partnerships :** 10% to broaden reach and foster strategic alliances.
- **Reserve Fund :** 10% to manage market fluctuations and unforeseen expenses.

TOKEN ALLOCATION



Usage Policy

Total supply and Distribution

AGRF tokens are multifunctional within the ecosystem, enhancing transactional efficiency and community involvement:

- **Transactions:** AGRF tokens are transacted on the Binance Smart Chain for secure and cost-effective trading. They're primarily used in an NFT marketplace to trade agricultural goods and land, with escrow services ensuring transaction security. Post-ICO and IEO, these tokens are exchangeable on platforms like Pancake Swap.
- **Staking:** Token holders gain central governance rights and a share of fees.
- **Payments :** AGRF facilitates secure transactions within the agricultural marketplace.
- **Rewards :** Active community members receive AGRF for contributions.

Governance and Economic Model

Token holders participate in governance, influencing major project decisions through a democratic voting process. The economic model incorporates a deflationary mechanism by burning' a portion of transaction-based tokens, promoting a gradual increase in token value over time.

PANCAKESWAP ON BINANCE SMARTCHAIN

Abstract

PancakeSwap is a decentralized exchange (DEX) built on the Binance Smart Chain (BSC), which facilitates the swapping of BEP-20 tokens. Here is a detailed explanation of how PancakeSwap integrates with the Binance Smart Chain ecosystem to support trading and other activities

PancakeSwap

FROM INITIAL SETUP TO FULL DEPLOYMENT

-  Post-ICO Technical Setup
-  Security Audits and Compliance Checks
-  Integration Testing with PancakeSwap APL
-  Launch of AGRF-BNB Liquidity Pool
-  Ongoing Monitoring and Adjustments

APPLICATIONS

Agricultural Product Tracking

AGRF tokens revolutionize how agricultural goods are traded by eliminating intermediaries, reducing transaction costs, and providing a transparent audit trail. This facilitates fair pricing and global market access for farmers.



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LAND MANAGEMENT



AGRF

Through NFTs, AGRF tokenizes agricultural land, enabling transparent and efficient transactions, including sales, leases, and inheritance transfers. Smart contracts automate these dealings, ensuring compliance, and accuracy.



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AgriFuture Token (AGRF) Roadmap and Strategy

Objective

The goal is to launch AgriFuture (AGRF) token, conduct an ICO/IEO, establish an NFT platform, and ensure listing on multiple exchanges, with a strategic timeline from February 2022 to December 2024.

Phase 1: Preparation and Planning (February 2022 - July 2022)

PROJECT CONCEPTUALIZATION

1 Define the purpose of AgriFuture (AGRF) token, focusing on the agricultural industry and its integration with blockchain technology. Establish the core team, including developers, marketers, and advisors.

TECHNICAL DEVELOPMENT

2 Design the token architecture and smart contracts. Ensure compliance with security standards and industry regulations.

WHITEPAPER & WEBSITE

3 Create a detailed whitepaper explaining the project's vision, mission, and technical details. Build a professional website with clear information about the project, team, roadmap, and tokenomics.

COMMUNITY BUILDING

4 Launch social media channels (Facebook, Instagram, Twitter, Youtube and Telegram). Begin engaging with the crypto community and agricultural stakeholders to build a following.

Phase 2 : ICO/IEO and Token Sale

(August 2022 - December 2022)

PRE-ICO PREPARATION

Secure legal compliance for the ICO/IEO in key jurisdictions. Develop marketing materials and establish partnerships with crypto influencers.

1

ICO LAUNCH

Start ICO with a set price of 1 BUSD per AGRF token. Implement a tiered reward system to incentivize early investors. Conduct an aggressive marketing campaign to raise awareness and drive sales.

2

TOKEN DISTRIBUTION

Distribute tokens to investors following the completion of the ICO. Ensure a secure and transparent process for token distribution

3

Phase 3 : NFT Platform Development and Token Expansion

(January 2023 - December 2023)

NFT PLATFORM DEVELOPMENT

Begin designing the NFT platform, focusing on agricultural-related content (e.g., agricultural art, digital farm products). Develop partnerships with artists, creators, and agricultural stakeholders for platform content.

1

NFT PLATFORM LAUNCH (NOVEMBER 2023)

Officially launch the NFT platform, offering exclusive content and unique digital assets.

Introduce interactive features to engage users and create a robust marketplace.

2

EXCHANGE LISTINGS

Ensure listing on Koinpark exchange by December 15, 2023. Develop relationships with other exchanges for future listings, aiming for 50+ exchanges within a year of 2024

3

Phase 4 : Scaling and Expansion

(January 2024 - December 2024)

BROADER EXCHANGE LISTINGS

Continue listing AGRF tokens on multiple exchanges, reaching the target of 50+ exchanges within 12 months. Collaborate with decentralized exchanges (DEXs) for wider token accessibility.

1

COMMUNITY GROWTH AND MARKETING

Launch community growth campaigns to maintain and increase interest in AGRF. Utilize partnerships and media to promote the project's vision and upcoming features.

2

LONG-TERM STRATEGY

Develop a sustainable business model for the NFT platform and token ecosystem. Explore additional applications of blockchain technology in agriculture. Continue fostering partnerships with key industry players and stakeholders.

3

CONCLUSION

By following this roadmap, AgriFuture aims to establish itself as a leading crypto token with a strong focus on agricultural applications, a thriving NFT platform, and wide accessibility through multiple exchanges. Proper execution and consistent communication with stakeholders and the community will be critical to achieving these goals.

Technical Information

Instrument	: AGRF
Blockchain	: Binance Smart Chain (BEP-20)
Token Name	: Agri Future Token
Decimals	: 18
Total Supply	: 1 Billion (1,000,000,000)

Contract Address

0x0c0ae048d2d0b50e7d8a2870556419d6b59b6a47



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LEGAL AND REGULATORY CONSIDERATION

COMPLAINTANCE

We adhere to stringent international laws and regulations governing digital currencies and tokens.

Our legal team continuously monitors regulatory landscapes to ensure full compliance, particularly in areas related to cryptocurrency transactions and data security.

RISK MANAGEMENT

Investments in cryptocurrencies are subject to market risks influenced by price volatility, regulatory changes, and technological shifts. We implement robust risk management practices to mitigate these issues and protect stakeholder interests.

TEAM AND ADVISORS

Core Team

Our team comprises industry veterans from blockchain technology, finance, and agribusiness sectors. Leadership includes technologists experienced in blockchain development and agricultural experts with decades of practical experience.

Advisory Board

Our advisory board features distinguished figures in technology, business, and agriculture. They provide strategic guidance and ensure our alignment with industry standards and best practices.

Empowering Farmers

Education, Research, and Innovation in Agriculture

Furthermore, our commitment extends beyond consultancy to include specialized education and training programs aimed at equipping farmers with modern techniques and fostering skill development. By engaging in research and development initiatives, we remain at the forefront of advancements in Agriculture and allied fields, driving excellence and contributing to the overall growth and sustainability of the industry. Through our dedication to innovation, education, and strategic partnerships, we aim to empower farmers worldwide to thrive in a rapidly evolving agricultural landscape while promoting development and sustainability in farming practices.



Organic Farming



Water Management



Natural Fertilizer



Advanced Technology



Natural Pesticides



Direct market selling



Hatchery Poultry Farming



Government subsidies



Goat Farming



Crop and Life insurance



Cow Farming



Benefits of private sector

AGRIFUTURE SERVICES



Precision Agriculture

**Data Analytics and
AI**



**Smart Farming
Equipment**

**Blockchain in
Agriculture**



**Climate Smart
Agriculture**

**Sustainable
Agriculture Solutions**



**Consulting
Services and Advisory**

**Education and
Training**



BLOCKCHAIN IN AGRICULTURE

Blockchain implementation in agriculture enhances transparency and traceability by securely recording and verifying the entire supply chain process, from farm to market. This technology promotes trust among stakeholders, reduces fraud, and ensures the integrity of agricultural data for more efficient and reliable food production.

SMART AGRICULTURE

We are Specialized in consultancy, advisory services, and the application of Data Analytics and AI, offering cutting-edge expertise to optimize agricultural practices. The company is dedicated to providing services in Climate-Smart Agriculture, leveraging advanced technologies to enhance resilience and sustainability in farming practices.

PROMOTION OF AGRICULTURE

Agrifuture Technology and Consulting Service is committed to promoting agriculture as a sustainable and profitable sector. Through various initiatives and programs, the company aims to create awareness about the importance of agriculture, encourage best practices, and highlight the role of farmers in ensuring food security.

OVERALL DEVELOPMENT FOR THE FIELD OF AGRICULTURE

The company places a strong emphasis on the comprehensive development of the agricultural sector. This includes improving infrastructure, enhancing agricultural practices, and fostering a holistic approach to address challenges faced by farmers. Agrifuture strives to be a catalyst for positive transformation in the entire agricultural value chain.

IMPLEMENTATION OF INNOVATIVE TECHNOLOGY IN AGRICULTURE

In line with the rapidly evolving technological landscape, Agrifuture is dedicated to incorporating innovative technologies into agriculture. This involves the integration of smart farming practices, precision agriculture, and the utilization of cutting-edge tools and techniques to enhance productivity, reduce resource consumption, and ensure sustainability.

Conclusion

The AgriFuture token is poised to transform the agricultural sector by leveraging blockchain technology to increase efficiency transparency and community engagement. We are committed to continuous improvement and innovation to meet the needs of our users and stake holders.

Thank you for showing interest with us. For any query, drop a mail to us

✉ [bussiness @agrf.net](mailto:bussiness@agrf.net)



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Save Agriculture !

Save Farmers!

