



Corporate Social Responsibility Report (CSR Report)

Beijing Dabeinong Technology Group Co., Ltd.

(Stock Code: 002385.SZ)



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Report Introduction

% Reporting Scope

As an annually issued CSR report covering the time period from January 1, 2024 to December 31, 2024, this report primarily focuses on Beijing Dabeinong Technology Group Co., Ltd. and covers its branches and subsidiaries within the scope of its coordinated financial statements (See the Company's Annual Report for details). To facilitate comparison and foresight of the report, some contents may go beyond the above time period.

% References

For the sake of concision, Beijing Dabeinong Technology Group Co., Ltd. is referred to as "DBN Group" or "the Company".

% Compilation Conformance

 Rules Governing the Listing of Shares on Shenzhen Stock Exchange (SZSE)

 Self-Regulatory Guidelines No. 17 for Companies Listed on SZSE—Sustainability Report (For Trial Implementation)

 Self-Regulatory Guidelines No. 3 for Companies Listed on SZSE—Preparation of Sustainability Report

 Self-Regulatory Guidelines No. 1 for Companies Listed on SZSE—Standardized Operation for the Listed Companies of Main Board

 United Stations 2030 Sustainable Development Goals (SDGs)

 ISO 26000: 2010 Guidance on Social Responsibility issued by the International Organization for Standardization

 Global Reporting Initiative Sustainability Reporting Standards (GRI Standards) issued by the Global Sustainability Standards Board (GSSB)

 Sustainability Accounting Standards Board (SASB) Standards

 Task Force on Climate-related Financial Disclosures (TCFD) Framework Recommendations

 China Corporate Social Responsibility Reporting Guide (CASS-ESG 5.0) issued by the Chinese Academy of Social Sciences

% Reporting Languages

This report is published in both Chinese Simplified and English. In case of any ambiguity or conflict between the two versions, the Chinese version shall prevail.

% Data Sources

All data contained herein are from the Company's official documents and public disclosure documents. If there is any inconsistency between financial data in the report and those in the Annual Report, those in the Annual Report shall prevail. Unless otherwise specified, the currency unit is Chinese Yuan (CNY).

% Access to the Report

The report is available in Chinese Simplified and English in print and electronic formats. Please download the report at the Company's official website (www.dbn.com) or the information disclosure website designated by SZSE (www.cninfo.com.cn).

% Notes of Anchor Links

Anchor links are set up on the page of contents and the upper navigation pane to link to corresponding pages in the report. To facilitate reading with instant in-page navigation, please click the titles on the contents page or at the navigation

The Development History of DBN Group

1998

Established the "Agricultural Scientific Research Award Fund" (now known as the DBN Science and Technology Award), a non-profit initiative to recognize and reward researchers for their outstanding contributions to agricultural scientific research.

2001

DBN (Beijing) Science and Technology Park was built in Huairou, Beijing.

1999

- The DBN Agricultural Science Research Institute was estab-
- The China Farmers University was funded by DBN.
- Technology Award ceremony was held in Beijing.

2003

Dr. Shao Genhuo was selected as one of the Top 10 Outstanding Entrepreneurs in Zhongguancun.

2005

DBN Group was rated as one of the Zhongguancun Top 20 Enterprises for two consecutive years (2004-2005).

2006

• DBN was recognized as the National Certified Corporate Technology Center by the National Development and Reform Commission, the Ministry of Finance, the Ministry of Science and Technology, etc.

2007

• The company underwent a

shareholding reform and official-

ly renamed Beijing Dabeinong

Technology Group Co., Ltd.

The Communist Party Branch of

DBN Grouup was established.

- DBN was approved to establish the postdoctoral research sub-station at the Haidian Zone of Zhongguancun Science Park.
- The DBN Science and Technology Award was registered as a corporate science Science and Technology and was officially included in the national science and technology award system.

1994

The DBN Expert Committee was established, which was headed by Professor Yang Sheng, a well-known animal Jiangxi Taihe DBN was nutrition expert, and consisted of another 14 professionals and scholars.

1995

1993

Ó

On December 28, two people founded DBN with 20,000 CNY at two office rooms.

- DBN brought forward the strategy of "complementary advantages for a famous brand" and rolled out cooperation nationwide.
- The DBN culture system was created.
- The DBN Scholarship was established in five agricultural colleges and universities nationwide

1997 Taihe DBN was rated

entrusted and Beijing

Kegao DBN was founded

as a local benchmark-setting company.

- lished
- The first DBN Science and

The DBN Senior Expert Committee in Plant Genetic Engineering was established.

2004

DBN was rated as the National Key Leading Enterprise in Agricultural Industrialization by the Ministry of Agriculture, the Ministry of Finance, and several other National Ministries and Commissions

ESG Management

Environmenta **Benefits**

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Corporate Governance

Appendix

2009

- Dr. Shao Genhuo was awarded the Top 10 Economic Figures for promoting the development of the feed industry in the past three decades of reform and opening up.
- DBN was jointly rated as the National Innovative Enterprise by the Ministry of Science and Technology, the State-owned Assets Supervision and Administration Commission of the State Council, and the All-China Federation of Trade

2011

- The DBN Love Fund was established
- The DBN Science and Technology Award was qualified to recommend technological achievements for national awards, the only private enterprise with the qualification to directly nominate the National Science and Technology Awards.

2013

- · General Secretary Xi Jinping and other CPC Politburo comrades visited Zhongguancun to inspect the development of strategic emerging industries, and Dr. Shao Genhuo, a leader in agricultural technology innovation, made a presentation about the frontier development of agricultural biotechnology and the latest scientific and technological innovation achievements of DBN to Xi Jinping and his colleagues.
- · Accompanied by Han Changfu, former Minister of Agriculture and Rural Affairs, and Zhang Laiwu, former Vice Minister of Science and Technology, Wang Yang, then Vice Premier of the People's Republic of China and a member of the Standing Committee of the Political Bureau of the CPC Central Committee, inspected the Kings Nower crop research base to understand the development of modern crop indus-
- The Party Committee of DBN Group was established, and Dr. Shao was elected as the first Party Secretary.

2012

The Company launched a new model of "business wealth community" and worked with business partners for common development.

2010

- DBN was listed on Shenzhen Stock Exchange (stock code: 002385).
- DBN was approved to set up the DBN Academician and Expert Work Center.

• DBN was shortlisted for the second batch of "Pilot Innovative Enterprises" by the Ministry of Science and Technology, the State-owned Assets Supervision and Administration Commission of the State Council, and the All-China Federation of Trade Unions.

and technology award in the Ministry of • DBN was named the Pilot Innovative Enterprise at Zhongguancun Science and Technology Park by the Ministry of Science and Technology, the Beijing Municipal People's Government, and the Chinese Academy of Sciences.

> • Dr. Shao Genhuo, Chairman of DBN Group, was recognized as one of the Zhongguancun Top 20 New Leaders.

> • DBN donated cash and medicine worth 5.35 million CNY to the Sichuan earthquake-stricken area.

2015

DBN was selected as one of the first batch of National Demonstration Bases for Agricultural Science and Technology Innovation and Integration.

2017

DBN (Wuhan) Science Park and DBN (Daxing) Science Park were opened in succession.

2018

• DBN (Bohai) Science and Technology Park was inaugurated.

2019

Park.

• Cai Qi, then member of the Political Bureau of the Communist Party of China (CPC) Central Committee and Secretary of the Beijing Municipal Party Committee, Li Jiheng, then Secretary of the Party Committee of the Inner Mongolia Autonomous Region, and other leaders visited DBN Group and got to know the progress of DBN Group's investment and poverty alleviation progress in Inner Mongolia.

2014

- DBN was awarded the honorary title of 2013 Poverty Alleviation Ambassador.
- DBN won the honorary title of Beijing Excellent Academician and Expert Work Center.

2016 DBN and Renmin University of China jointly established the China Anti-poverty Research Institute.

• Dr. Shao Genhuo was selected as a leading entrepreneur of Zhongguancun High-end Leading Talents Gathering Project.

2023

- Dr. Shao Genhuo was appointed as the Honorary President of Shanxi Agricultural University.
- The Dabeinong Branch of the Beijing Association for Science and Technology (BAST) Party School was established as the system's first branch school.
- The famous composer Ms. Gu Jianfen's first agriculture-themed song Strengthening Agriculture and Serving the Country was made the corporate anthem

2021

- The Party Committee of DBN won the title of Beijing
- Advanced Primary-level Party Organization.

The first primary school sponsored by DBN was officially inaugurated.

DBN Phoenix International Innovation Park started construction in Zhongguancun Cuihu Science and Technology

2022

2020

Accompanied by Yu Kangzhen, former Vice Minister of the Ministry of Agriculture and Rural Affairs, Hu Chunhua, then member of the Political Bureau of the CPC Central Committee and former Vice Premier, visited DBN and highly appreciated the Company's efforts in innovation.

- DBN signed a strategic cooperation agreement with the Chinese Academy of Agricultural Sciences
- DBN ranked tenth in the 2021 evaluation of national corporate technology centers by the National Development and Reform Commission.
- DBN Phoenix International nnovation Park was inaugurat-
- DBN Europe (Netherlands) headquarters was established

2024

- Dabeinong Digital Intelligence Corporation was established. marking a solid step of DBN towards digital transition.
- Beijing DBN Philanthropy Fund was registered in Beijing. ushering in a new chapter in DBN's charity cause.



2022

- DBN 8002 was granted an official planting license by the Argentine gove Sanva Dabeinong Gensee
- Genetics Co., Ltd. was
- The Company worked with Yunan Datian to help revi talize the crop industry.

2023

 \bigcirc

- 27 genetically modified corn and soybean varieties with DBN's traits passed the National Crop Variety Approval.
- btained the biosafety certificate (for production and application).
- The soybean trait product DBN 9004xDBN 8002 obtained the official planting license from the Argentine government.
- The soybean trait product DBN 9004 was officially approved for planting in Brazil.

2024

- 16 genetically modified corn and sovbean variet. ies with DBN's traits passed National Crop Varietv Approval.
- The soybean trait product DBN 8002 obtained the biosafety certificate (for impor
- The soybean trait product DBN 9004xDBN 8002 obtained the biosafety certificate (for production and application).
- The soybean trait product DBN 8205 obtained the biosafety certificate (for production and application)

2022

The Company's Testing and Evaluation Center passed the evaluation of the China National Accreditation Service for Conformity Assessment (CNAS) and obtained the laboratory accreditation certificate.

2024

The DBN regional ecological mode is gradually taking shape.

2022

0

Jofunhwa (Nanjing), Jofunhwa (Fuzhou), Beijing Dabeinong Animal Health Care Technology, Shaoshan Dabeinong Animal Health Care, and Kemufeng diagnostic reagent production lines passed the new GMP acceptance for veterinary drugs.

2024

- The immunology and molecular biology production line of Jofunhwa Biotechnology (Beijing) Co., Ltd., which produced veterinary diagnosis products, passed the GMP review.
- Jofunhwa Biotechnology (Beijing) Co., Ltd. passed the Good Clinical Practice (GCP) review for new veterinary drugs.

Company Profile

Beijing Dabeinong Technology Group Co., Ltd. (DBN Group) is an agtech company founded by young agricultural specialists represented by Dr. Shao Genhuo. Since its establishment in 1993, DBN has been devoted to the corporate philosophy of "Strengthening agriculture and serving the country, striving to be No.1 and pursuing common development" with efforts to promote modern agriculture in China through innovation.

As of the end of the reporting period, the Company owns 2 state key laboratories, 4 Enterprise Key Laboratory of the Ministry of Agriculture and Rural Affairs, 8 Provincial/Municipal-Level R&D Platforms, 25 national high-tech enterprises, 6 National Key Leading Enterprises in Agricultural Industrialization, as well as the first corporate academician and expert center in Beijing and a postdoctoral research sub-station at the Haidian Zone of Zhongguancun Science Park. The Company has more than 300 production bases, more than 300 branches and subsidiaries and over 10,000 primary-level technology promotion service stations nationwide.

Corporate Culture

Social

Benefits

Mission	Strengtheni
Core philosophy	Strengtheni striving to be
Vision	The world's

2 State key laboratories	4 Enterprise Key Laboratory of the Ministry of Agriculture and Rural Affairs	8 Provincial-Level R&D Platforms	25 National high-tech enterprises		Vision	The
6 National Key Leading Enterprises in Agricultural Industrialization	300+ Production bases	300+ Branches and subsidiaries	10,000+ Primary-level technology promotion service stations			



About DBN

ESG Management

Environmental **Benefits**

Social **Benefits**

Party Building

In 2024, DBN Group launched a corporate-wide education campaign focused on the study and implementation of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, regarding it as the guiding principle for corporate operations. Prioritizing Party building, the DBN Party Committee made comprehensive efforts to enforce Party discipline through strengthened education and training. Simultaneously, the Company worked to raise cultural and ethical standards by promoting integrated Party-mass development, and to embed Party leadership into corporate governance by improving the modern corporate system with Chinese characteristics. The role of Party organizations as the leadership and political core was strengthened across key areas such as decision-making, execution, and supervision, providing strong political, cultural, and ethical support for the Company's high-quality development. These efforts ensured that the Company advanced steadily on the right path toward achieving its long-term strategic goals.



The CPC Committee of Beijing Dabeinong Technology Group Co., Ltd. (DBN Party Committee) is affiliated to the Party Committee of Beijing Haidian Zhongguancun City Enterprises. DBN Party Committee established Party branches in April 2007 and set up a commission for discipline inspection in April 2023. Dr. Shao Genhuo, Chairman of DBN Group, is elected as the Party Committee Secretary.





Characteristics of Party building at DBN Group

The program of "three-route cultivation of three hundred personnel"

Encourage **100** key personnel of DBN Group to join the CPC

Support **100** Party members to become key personnel of DBN Group

Empower **100** key technical personnel of DBN Group to become experts

The program of "Four Perseverance"

Persevere in improving organizational mechanism to consolidate the foundation of Party building

Persevere in learning and implementing innovative theories and grasping corporate development strategies

Persevere in carrying forward glorious traditions to build fine corporate culture

Persevere in setting up exemplars to create an atmosphere of excellence pursuit



DBN Biological Breeding Innovation R&D Center won the honor of "Beijing's Worker Pioneer" .



fulfilling missions"



Joining a joint Party building and learning activity themed "Inheriting 'red genes' and boosting the crop industrv"



As the CPC Founding Day (July 1) approached, the Department of Seed Industry, MARA, National Agricultural Technology Promotion Service Center, Beijing Municipal Bureau of Agriculture and Rural Affairs, and other institutions held the Party Day activity with the floating-population Party branch of Beijing Seed Association, which was under the theme of "Inheriting 'red genes' and boosting seed industry". More than 80 Party members and officials of DBN Group joined the joint Party building and learning activity to raising awareness of passing on the "red spirit" and fostering the high-quality development of seed industry.

DBN Biological Breeding Innovation R&D Center won the honor of "Beijing's Worker Pioneer" at the 2024 National and Beijing Labor Award ceremony in Haidian District, Beijing.



Organizing a Party Day activity themed "Learning Party discipline, strengthening commitment to the Party,

To promote Party discipline learning and education, the DBN Party Committee organized Party members to visit the Museum of the War of the Chinese People's Resistance Against Japanese Aggression as a Party Day activity, which was under the theme of "Learning Party discipline, strengthening commitment to the Party, fulfilling missions". All Party members of DBN Group reviewed the "red history" (the revolutionary history of the Party) to raise their awareness of passing on the revolutionary spirit of martyrs, fulfilling missions and continuing the cause of national rejuvenation. This was a vivid activity of patriotism and Party commitment education, which spurred strong sentiment toward loving the country and the Party among all Party members.

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Social Benefits

Numbers for 2024



ESG Highlights

Business Competitiveness



- Revenue of crop products reached **1.43** billion CNY
- Year-on-year increase of **1.4%**
- Sales volume of corn, rice and soybean seeds totaled 53.526 million kg
- Seed sales volume covered over 40 million mu (around 26,667 km²) of farmland (cash crops excluded)



- Revenue of feed products reached 19.05 billion CNY
 Over 100 feed production bases
- established • A feed production capacity of
- over 10 million tons



- Revenue of pig farming reached 6.28 billion CNY
- Year-on-year increase of **10.1%**
- 6.405 million pigs put to market by pig farming businesses where DBN Group is a controlling or minority shareholders

Science and Technology Innovation

- 2 state key laboratories, 4 Enterprise Key Laboratory of the Ministry of Agriculture and Rural Affairs; 8 provincial laboratories
- 25 national high-tech enterprises; 6 National Key Leading Enterprises in Agricultural Industrialization
- 2,635 R&D personnel (accounting for 16.3% of all employees); 730 million CNY of R&D investment (accounting for 2.55% of operating revenue); 18 training sessions on intellectual property rights (IPRs) for over 2,000 employees

Mindustrial Union

- Nearly 750,000 farmer households received crop business services
- The crop business held 15 field research meetings
- DBN Group cooperated with and audited **1,610** suppliers in the feed business

Environmental Protection

- Environmental protection investment: 35.1699 million CNY
- Greenhouse gas (GHG) emissions: approximately 384,200 tCO₂e (sum of Scope 1 and Scope 2)
- Scope 1 GHG emissions: approximately 199,700 tCO2e

S Employees

- 16,136 employees in total; 4,073 female employees
- 100% labor contract signing rate
- 100% social security coverage
- 173 female employees entitled to maternity leave;
 156 employees enjoying paternity leave
- **99** full-time safety personnel
- **1.88** million CNY invested in security facilities
- 17.45 million CNY invested in training in 2024; 125,000+ training hours in total; 182,000 trainees covered

Corporate Governance

- 10 General Meetings of Shareholders held
- **29** proposals reviewed and approved by the General Meetings of Shareholders
- 29 proposals with separate vote counting for minority shareholders
- 9 members of the Board of Directors; 3 independent directors
- 2 female directors; 16 meetings of the Board of Directors held
- 63 proposals reviewed and approved by the Board of Directors

Corporate Governance

- The pig farming business of DBN Group cooperated with over 2,000 biological farms (farmer households)
- The number of member enterprises of the Protein Feed Biomanufacturing Innovation Consortium initiated by DBN reached 110
- Scope 2 GHG emissions: approximately 184,500 tCO₂e
- Total energy consumption: 75,436.45 tce
- Total water consumption: 4,428,200 tons
- Wastewater discharge: **135,400** tons
- General waste disposal: 2,033.63 tons
- 152 children of employees won the DBN Scholarship (worth 431,000 CNY) for College Entrance Examination and Unified National Graduate Entrance Examination
- DBN Love Fund funded employees with 1.4 million CNY
- DBN Scholarship awarded 764 students 1.6078 million CNY
- DBN Teaching Prize awarded 15 teachers 150,000 CNY
- 3 members of the Board of Supervisors; 2 employee supervisors; 9 Board of Supervisors meetings held
- 21 proposals reviewed and approved by the Board of Supervisors
- 9 investor exchange meetings held; 300+ investor participants
- 750+ investor calls answered
- **133** questions answered for **63** investors via SZSE Easy IR Platform (irm.cninfo.com.cn)
- 12 training sessions held on risk management and control

Social

Benefits

ESG Management

DBN Group has set up a three-level organizational structure for sustainability work, i.e. decision-making level, organizational level, and executive level, which was headed by Strategy and ESG Committee under the Board of Directors. With layer-by-layer, dot-to-facet, and top-down approaches, the Company has integrated ESG into business development. To achieve sustainability goals, DBN Group has also urged branches and subsidiaries to fulfill ESG responsibilities.





Social **Benefits**

ESG Management Structure

The Company has established a three-level sustainable development structure, covering decision-making level, organizational level, and executive level. With clarified duties, the three levels make efforts to see that the potential impacts, risks and opportunities related to ESG factors are fully taken into account during the Company's decision making.

DBN's Sustainability Management Structure



Strategy and ESG Committee under the Board of Directors

Ocnducting research, analysis and risk assessments on ESG-related matters and reviewing ESG systems, strategies and goals

• Organizing and coordinating the supervision and inspection of ESG-related policies, management, performance, and target progress, and providing related opinions



Sustainability Department

stakeholders

Promoting and supervising the execution of key sustainability issues of the Company e Each business/functional department appoints one liaison to facilitate the implementation of sustainability philosophy and collect ESG-related data within the Company Preparing the Company's annual reports and communicating key ESG issues with

Executive level

Business and Functional Departments

• Business and functional departments work together to implement the Company's sustainability philosophy to achieve high-quality and healthy development throughout the Company

ESG Management Effectiveness

S Optimizing the DBN ESG Manual

To promote standardized and systematic ESG work, the Company optimized the DBN ESG Manual based on the 2023 DBN Sustainability Systems, ensuring that all sustainability measures are implemented in a more orderly and efficient manner.

Environmental Responsibility	We are committed to taking active r operations. Specifically, we focus waste discharge, and promoting ca ness operations on the ecosystem.
Business Ethics	We promise to conduct business of laws and regulations. To this end, v agement system, which covers ant and anti-corruption. This system h fairly and reasonably.
Human Rights and Labor	We are committed to providing a sa ty. During operation, we resolutely p tion, and harassment. Strictly abid interests of employees and provide employee.
Supply Chain Management	We promise to promote sustainable suppliers to follow the same ethica maintain the sustainability of supply
Transparent Communication	We are committed to maintaining of stakeholders. Apart from timely dis social supervision and actively resp sustainable development.
Social Charity	We are aware of our corporate soci- activities, care for vulnerable group tion and other social fields, giving b together.

Section 2017 Secti

DBN Group strives to enhance ESG management with digital means. With the independently developed ESG data management platform, the Company has realized online management traceability of ESG data of over 300 subsidiaries, which significantly improves ESG management efficiency and decision-making support. In 2024, the Company officially launched the ESG Digital Management Platform, significantly enhancing ESG data coverage and visualization, and providing stronger support for ESG data disclosure. This platform forms a closed-loop integration with the Company's ESG goal management system. Moving forward, the platform will be continuously updated based on company needs, user feedback, and evolving standards, further improving the overall ESG data management capabilities.

W. **ESG-themed Training**

The Sustainability Department of DBN Group actively conducts ESG-themed training to support ESG management of every business. Dedicated training sessions are held for employees in ESG management-related positions of all businesses, covering the basics of ESG, energy saving and consumption reduction, green and low-carbon development, information system and management regulations, etc. The training efforts aim to further raise ESG management awareness and capabilities of the Company's branches and subsidiaries.

ESG Commitments

measures to reduce the environmental impact of our business on improving the efficiency of resource utilization, reducing arbon emission reductions to minimize the impact of our busi-

operations with integrity, respect and fairness and comply with we have established and improved the compliance risk manti-monopoly, anti-unfair competition, anti-commercial bribery helps ensure that our partners and customers can be treated

afe and healthy workplace and supporting equality and diversiprohibit child labor, forced labor, human trafficking, discriminaling by the Labor Law, we safeguard the legitimate rights and e a variety of learning and development opportunities for every

e development in supply chain management and advocate for al, environmental and social responsibility standards to jointly v chains

ppen and transparent communication with internal and external sclosing sustainability goals and achievements, we embrace pond to social concerns, making a concerted effort to promote

ial responsibilities and promise to actively participate in charity ps, and support agriculture, education, environmental protecback to society with concrete actions to create a better future



ESG Digital System Training

In 2024, the Sustainability Department held four training sessions on ESG data management for all businesses of DBN Group. Focusing on digital system operations, data filing methods and interpretation of indicators and parameters, the training helped employees elevate ESG data reporting capabilities and thus contributed to the improvement of corporate-wide ESG management.

Internal Training on GHG-related Carbon Emissions Verification

In 2024, to further enhance carbon management, the Company invited carbon management experts to conduct internal training on carbon emissions verification. The training, tailored to the Company's business characteristics and real-world cases, systematically identified potential carbon emission sources and provided detailed guidance on verification standards, accounting boundaries, and the identification and quantification of various emission sources. This comprehensive approach laid a solid foundation for accurate and complete data collection, ensuring precise carbon inventory processes. In doing so, it also reinforced the Company's commitment to sustainable development.

Sustainability Honors and Awards

- 2024 Award for Best Practices of Sustainable Development among Chinese Listed Companies from China Association for Public Companies
- Excellent Program Award and Extraordinary Solution Award in the 2024 GoldenKey China's SDG Solutions Campaign initiated by China Sustainability Tribune
- (a) 2024 ESG Exemplar Enterprise Award on the 14th Philanthropy Festival
- Excellent Enterprise Award on the 2024 Cross-Strait Carbon Neutralization Forum



Stakeholder Communication

Social

Benefits

DBN Group has built an effective stakeholder communication mechanism. To establish close ties with stakeholders, the Company maintains in-depth communication and exchange with stakeholders in an active way via the corporate website, WeChat official account platform, email, and questionnaires, etc. During CSR report preparation, the Company took the initiative to conduct research on issues capturing stakeholders' concerns and actively respond to stakeholders' needs, integrating them into relevant decision-making processes.

= Stakeholder	Appeal and expectations	Communication and responses
Government and regulators	 Law-abiding and compliant operation Support for industrial development Taxation according to laws 	 Continuously strengthening corporate compliance management Responding to national policies Paying taxes actively
Shareholders and investors	 Improving corporate governance Preventing business risks Protecting the rights and interests of investors 	 Profit distribution Improvement of risk management General Meetings of Shareholders Periodic reports SZSE Easy IR Platform (irm.cninfo.com.cn) Roadshow Earnings Call
Employees	 Protection of the basic rights and interests of employees Employee career development Employee care Occupational health and safety 	 A competitive remuneration system Featured employee benefits A variety of incentives Training and exchanges and promotion channels
Customers	 Product & service quality Protecting the legitimate rights and interests of customers Improved customer service 	 Optimizing the product quality management system Improving product after-sales service Providing agricultural technology services Meeting customers' diverse needs
Industrial chain partners	 Win-win cooperation Conforming to industry norms Sticking to business ethics 	 Building a responsible supply chain "Company + eco-farm" mode Distribution Partners Meeting Distribution Partners Satisfaction Survey Career and wealth community
Environment	 Reducing pollution Addressing climate change Protecting water resources Ecological protection 	 Carbon inventory and verification Energy conservation and emission reduction Integration of planting and breeding Resource utilization of swine manure Environmental information and risk disclosure
Communities	Common prosperityCharityCommunity development	 Industrial assistance Charitable donations Volunteer activities Charitable projects

About DBN

ESG Management

Environmental **Benefits**

Social **Benefits**

Materiality Analysis

Key Steps Importance to impacts and environment 1. Topic identifi-3. Assessment 4. Analysis results 2. Materiality evaluation cation and analysis management The Sustainability Internal and external stakeholders are invited to make Department identijudgments about the financial materiality and impact Material topics and The Sustainability fies issues that materiality of potential issues. Department determines their priority levels potentially matter to are determined analysis results and Р the Company and Indicator Dimension based on materiality discloses them to stakethe stakeholders after holders for practice evaluation results taking into account Business models, business economy, and the situation of improvement. the macro trends, operations, development stratthe Company and Financial Possibility, national policies, egies, financial status, busimateriality impact extent the industry. guidelines of the ness achievements, cash flow, stock exchange, financing ways and costs society international initiatives, corporate strat-Scale, scope egies, and other indi-Impact and irrepara- Economy, society, environcators. materiality ble damages ment of impacts Corporate governance Governance Anti-commercial bribery and anti-corruption **15** ESG management Anti-unfair competition 20 Corporate governance Investor relations Social Social contribution Occupational health and safety Science and technology ethics Supply chain security 1 Employees' rights and interests and welfare ¹⁰ Support for business partners 19 Talent cultivation and development **Environmental** 5 Energy utilization 4 Water resource utilization 6 Ecosystem and biodiversity conservation Invironmental compliance management Oircular economy 13 Pollutar



t emission and waste treatment	16	Climate change

Social

Environmental Benefits

Keeping in mind the principle that "green development is the foundation for high-quality development", DBN Group actively assesses climate change risks and opportunities, implements effective water conservation measures, and explores innovative pathways for new energy applications. Meanwhile, the Company attaches great importance to the reduction, treatment, and resource utilization of pollutants. Through models such as integrated planting-breeding systems, it explores pathways to build circular economy development frameworks and accelerates the green transformation of its production methods. With these practical actions, the Company fulfills its social responsibilities and contributes to the country's strategic goals of carbon peaking and carbon neutrality.

- S Environmental protection investment: 35.1699 million CNY
- Scope 1 GHG emissions: **199,715.38** tCO₂e
- Scope 2 GHG emissions: **184,488.22** tCO₂e
- GHG emissions: 384,203.60 tCO₂e (Scope 1 + Scope 2)
- **%** Total energy consumption: **75,436.45** tce
- **5** Total water consumption: **4,428,200** tons
- S Wastewater discharge: 135,400 tons (pig farming business excluded)
- S Chemical Oxygen Demand (COD) emissions: **35.62** tons
- Ammonia nitrogen emissions: **15.08** tons
- General waste disposal: **2,033.63** tons
- Swine manure treatment: 2,012,000 m³

This chapter responds to the following SDGs:







Environmental **Benefits**

Social **Benefits**

Enhancing Environmental Management

In strict compliance with national laws and regulations on environmental protection, DBN Group has built the environmental management system with a three-level (headquarters-business platforms-branches and subsidiaries) organizational structure according to the Company's business characteristics and operations. The system also covers the institutional management documentation mechanism for the company level and the business level, environmental awareness and training, and green office, etc. A variety of measures have been adopted to improve environmental management.

Science of the second structure (Science of the second sec

Headquarters

forms in this regard

Business Platforms

The industrial platforms customize environmental mana according to the Company's environmental management systems own business needs. Moreover, the business platforms plan env management measures for branches and subsidiaries, with the im tion of these measures under supervision

Branches and Subsidiaries

The branches and subsidiaries strictly implement the environmenta

S Institutional Support

DBN Group has formulated a series of environmental protection management methods and documents in terms of the company level and the business division level to improve environmental governance performance. At the corporate level, major documents include the Environmental Protection Management Measures of DBN Group, DBN Hazardous Chemicals Management Regulations, Contingency Plans for Emergent Environmental Events, etc. At the business level, documents include the Feed Engineering Work Safety Manual, Pig Farms Construction Standards Manual, Pig Farms Production Safety Manual, and Management System for Environmental Protection Operation Ledgers in Farms, etc.



In 2024, the Company invested **35.1699** million CNY in environmental protection to improve environmental governance performance.

S Environmental Awareness and Training

DBN Group attaches much importance to improving employees' expertise in environmental protection. To achieve this goal, the Company has developed a series of environmental protection-related technical manuals. Simultaneously, the Company has organized training sessions to elaborate on new pollution treatment technologies and processes, pollutant emission standards, and monitoring methodologies, seeking to improve the expertise and practical capabilities of its environmental protection teams. In 2024, the Company held 531 training sessions on environmental protection, which covered 4,006 employees.



training sessions on environmental protection



The Company promotes green office practices, encouraging employees to adopt resource-saving habits. In daily work, employees are encouraged to save electricity and water, reduce paper consumption, hold virtual meetings, and minimize waste generation, thereby creating a green and comfortable office environment. Electricity conservation: Implement smart control systems for air conditioning and optimize lighting systems regularly through inspections.

Water conservation: Display water conservation posters in prominent areas, such as pantries and restrooms. Paper conservation: Advocate double-sided printing, put up paper-saving posters in restrooms.



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Corporate Governance



Social

Benefits

Addressing Climate Change

As a globally pressing issue, climate change has not only brought opportunities for agricultural development but also posed significant challenges. In line with domestic and international initiatives to tackle climate change, the Company has proactively identified, assessed, and managed climate-related risks and opportunities. Furthermore, the Company will continuously enhance its strategies and capabilities to manage such risks.

S Evaluation of Climate-related Risks and Opportunities

The Company attaches great importance to the impacts of climate change. By analyzing potential impacts of factors such as extreme heat, flooding, drought, soil degradation, tightened policy regulations, and technological transformation on its core business and operations, the Company has formulated relevant response measures. The aim is to enhance its understanding of climate-related impacts, risks, and opportunities, thereby laying the foundation for enhancing climate adaptation capacity.

Physical Risk Assessment of Climate Change

The table below outlines the major physical risks identified, their potential impacts on the Company's business and finances, and the countermeasures developed in response.

Category	Physical Risk(s)	Potential Financial Impacts	Potential Financial Impacts	Time Scope	
Acute	Extreme heat	 Extreme heat conditions may prolong the operational duration of refrigeration systems or necessitate the deployment of supplementary cooling equipment. Extreme heat conditions may lead to increased heat stress allowances or medical costs for outdoor workers. Extreme heat may cause a decline in crop yields and affect operating revenue. Extreme heat conditions may diminish livestock feed intake, impede growth performance, and thereby cause operational revenue decline. Compromised immune function increases disease susceptibility in livestock, further escalating operational costs. 	Operating costs ↑ Operating revenue ↓	Short-term Mid-term Long-term	 Pay attention t supplies and m Employ digital ing cooling pad
Acute	Flood, heavy rain, and typhoon	 Floods, heavy rainfall, or typhoons may damage infrastructure and equipment, escalate maintenance expenses, and potentially cause asset depreciation. Floods, heavy rainfall, or typhoons may cause damage critical infrastructure and key transportation routes, thereby reducing operational efficiency and impacting revenue streams. Floods, heavy rainfall, or typhoons may cause crop lodging, leading to yield reduction and subsequent operational revenue decline. Floods, heavy rainfall, or typhoons may escalate epidemic prevention costs in livestock farming business 	Operating costs ↑ Operating revenue ↓ Asset value ↓	Short-term Mid-term Long-term	 Prior to constru- and a gently slo landslides, crac Conduct timely tems to ensure
Chronic	Water resources shortage and drought	 A shortage of available water resources may trigger policy-induced water price surges or market-driven supply-demand premiums, thereby escalating corporate water costs. Meanwhile, ensuring production continuity necessitates additional investments in irrigation infrastructure, water diversion projects, or alternative water sources, further increasing the overall costs of water acquisition and conveyance. Water resources shortage and drought may cause reductions in upstream raw material supplies, thereby triggering price fluctuations and escalating production costs alongside market risks. Water resources shortage and drought may affect the operational efficiencies of refrigeration systems and production machinery. Water resources shortage and drought may hinder crops growth, thereby causing reductions in crop yields and operating revenue. 	Operating costs ↑ Operating revenue ↓	Short-term Mid-term Long-term	 Conduct water employees. Improve facilit reclaimed wate Leverage weat plans and imple Enhance agricu from natural dis
Chronic	Biological impact	 The earlier onset of pests and diseases and their prolonged damage durations may lead to increased pest control costs and reduced crop yields. Alterations in crop growth periods may impact yields. Biodiversity loss undermines ecosystem services such as pollination, pest control and nutrient cycling, compromising the sustainability of agricultural production. 	Operating costs ↑ operating revenue ↓	Short-term Mid-term Long-term	 Conserve the m in agricultural r sistant crop var Implement syst al practitioners' promote the ad
Chronic	Soil degradation	 Soil degradation impairs moisture retention and nutrient supply capacity, leading to elevated production costs and causing declines in both crop yields and quality. Soil degradation poses threats to biodiversity security and ecosystems' service functions. 	Operating costs ↑ Operating revenue ↓	Mid-term Long-term	 Implement cons Plant green ma manure to impr Develop and br

Countermeasures (Partial)

n to temperature changes and proactively prepare heat-relief medicine.

al control systems to regulate swine barn temperature, integratads and ventilators for effective thermal management.

struction, a high-specification drainage system was designed, sloping site was selected to mitigate geotechnical risks such as racking, and subsidence.

ely inspection and maintenance of drainage and irrigation sysre normal operation.

er conservation training and drought awareness programs for all

ility management and deploy measures such as recycling of ater to increase water resources efficiency.

eather forecasts to proactively develop drought preparedness plement preventive measures.

icultural insurance systems to mitigate economic losses arising disasters.

e natural ecosystem of surrounding areas of the farmland. Invest al research and innovation to develop highly adaptable, pest-revarieties and efficient farming technologies.

ystematic education and training programs to enhance agriculturars' awareness of biodiversity conservation and comprehensively adoption of integrated pest management (IPM) techniques.

onservation tillage, crop rotation, and diversified planting. manure, increase organic matter, apply biogas slurry and animal prove soil quality.

breed high-quality germplasms with enhanced soil adaptability.

Social

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Transition Risk Assessment of Climate Change

The table below outlines the Company's transition risk assessment faced by the major business and operations.

Category	Transition Risks	Potential Business Impacts	Potential financial impacts	Time scope	
Policies and regulations	Tighter climate-related regulatory policies	• More rigorous controls over production-related energy consumption and pollutant emissions necessitate the adoption of intelligent manufacturing equipment and cleaner production technologies, thereby facilitating green process transformations.	Investment in fixed assets	Mid-term Long-term	 Keep track of clin oratively assess co Explore alternativ reduce consumptio
Policies and regulations	Higher standards of environmental protection	 Installation of additional exhaust gas and wastewater treatment equipment in production processes may be necessary. Upgrades to existing environmental protection facilities may be required. Packaging regulations, such as limits on plastics and restricted substances in packaging, may entail higher compliance costs for packaging in feed, vac- cine, crop and other businesses. 	Investment in environmental protection facilities 1	Long-term	 Enhance environing operative streamlining operative nology substitution Encourage greening, and deploy gresources consumplication
Market risks	Energy structure and price change	 Affect the energy mix and expenses across transportation, production, warehousing and other segments. Promote the transformation of production processes to replace traditional power generation with biogas power generation. 	Depending on energy costs and energy utilization efficiency	Short-term Mid-term	• Maintain close m opments.
Technology risks	Technological shock of low-carbon transition	 Promote low-carbon technology innovation Explore low-carbon production modes 	R&D expenditure 1 Depreciation of fixed assets	Mid-term Long-term	• Drive innovation i
Reputation risks	Higher attention from external stakeholders	• ESG ratings may affect corporate financing costs.	Operating costs	Short-term Mid-term Long-term	• Enhance commune of Actively improve to

Countermeasures (Partial)

- limate-related policies, laws and regulations and collabcorresponding impacts.
- tive energy sources and optimize resource utilization to tion and carbon emissions.
- onmental performance through optimizing management, rations, equipment upgrading and retrofitting, new techon, and other approaches.
- en design, select green materials, adopt green packaggreen transport and resources recycling to reduce mption throughout product manufacturing.
- monitoring of energy-related policies and market devel-

- n in feed technology and products.
- nunication with external stakeholders.
- e the Company's ESG ratings.

Environmental Benefits

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Climate Change Transition Opportunities Assessment

Category	Transition opportunities	Potential business impacts	Potential financial impacts	Time scope	Opportunity-seizing measures
Resource efficiency	Higher resource utilization efficiency	• Enhance the application of resource efficiency improve- ment technologies to reduce carbon emissions and oper- ating expenditure.	Operating costs↓	Short-term Mid-term	• Optimize resource utilization structure to improve resource utilization efficiency.
Energy source	Utilization of low-carbon/ renewable energy	 All business units begin to accelerate the adoption of low-carbon and zero-carbon energy to reduce fossil fuel dependency and carbon emissions. 	Depending on energy costs and energy utilization efficiency	Short-term Mid-term Long-term	 Keep a close eye on the tech- nological developments of new energy and actively explore the use of renewable energy such as solar power.
Products and services	Low-carbon products, green technologies and digital low-carbon solutions	• All businesses need to transform production ways and adopt green technolo- gies to deliver low-carbon products and services.	Operating revenue 1	Short-term Mid-term Long-term	 Launch a pilot program of applying low-carbon planting technologies in the crop busi- ness. Promote the application of low-protein ration in the feed business. Promote the integrated mode of crop-livestock model in the pig farming business.
Market	Low-carbon economic development	• Place significant emphasis on prioritizing investments in low-carbon sectors and technological innovation to enhance organizational resilience amid the low-car- bon transition.	Operating revenue †	Mid-term Long-term	• Place significant emphasis on the green economy and pursue initiatives in energy efficiency, green buildings, renewable energy, circular economy, and other related domains to foster sustainable development.

🐝 Climate Adaptability

In assessing climate adaptation, the Company considers major uncertainties, including the extent of global warming, precipitation changes, carbon policy shifts, and their impacts on seed prices, feed production, and pig farming costs. The uncertainties in these factors may cause fluctuations in operating costs and profits, consequently affecting the Company's financial position and market competitiveness. **Short-term plans:** The Company will address physical risks through planning and design, management capabilities enhancement during implementation, and post-event summarization and evaluation.**Mid-term development:** While continuing to implement short-term countermeasures, the Company will focus on process and workflow optimization and equipment optimization to mitigate the cost impacts of transition risks.**Long-term strategies:** The Company will be committed to the green transition to enhance market competitiveness and climate change adaptation capabilities.

S Transition Plan: Measures and Progress

Dedicated to the agricultural digital revolution, the Company strives to build a digital, intelligent ecosystem platform integrating "One Portal, Four Networks, Four Centers". The platform has been exploring ways to streamline end-to-end business processes covering feed procurement, production, pig farming, and related services, thus contributing to the development of an interconnected and highly efficient industrial ecosystem. At the technology level, the Company deploys powerful cloud computing services such as Nxin Cloud and Alibaba Cloud to cement the technical foundation of the entire ecosystem platform and ensure stable operations and functional development. At the framework level, the "one portal to DBN Group", as the business front-end, serves as the unified access point for suppliers and distributors to connect with the platform, considerably streamlining collaborative workflows and improving collaboration efficiency. The "Four networks" form the business mid-end, comprising Smart Procurement Network, Feed Network, Pig Network, and Pig Service Network. Each performing its specific role, the four networks collaboratively support business operations from different dimensions. The "Four centers" serve as the sharing back-end, covering the Big Data Center, Collaborative Office Center, Financial Sharing Center, and Talent Center, providing a full range of services including data support, office collaboration, financial control, and talent management.

Leveraging digital technologies, the Company connects with upstream and downstream industrial value chains, enabling collaborative operations and efficient management of all links. Striding toward modern and smart agriculture, DBN Group will advance its digital transformation to promote the sustainable development of the industry.

A Digital and Intelligent Ecosystem



Environmental Benefits

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During the reporting period, the Company actively advanced digital transition with the following measures:

In terms of intelligent financial management, the DBIP information system developed by the Company integrates functions such as financial data collection, automated statements generation, and convenient review and approval workflows. This system helps reduce labor hours and enhance efficiency in financial operations.

In terms of standardized management of the crop business, the Company has developed a germplasm management system. This system covers modules such as basic information management, germplasm verification, data management, phenotype data analysis and management, coding and barcode management, seed dispersal, reminders and alarms, warehouse in-and-out approval, germplasm inventory, and others. Leveraging technologies like big data and visualization, the system has established a germplasm pool to serve as an R&D platform that integrates germplasm collection, verification, and utilization, seed breeding management, and information storage and analysis. This platform standardizes and streamlines germplasm-related workflows, offering a highly efficient and standardized management solution for agricultural research and production.



GHG Emissions

During the reporting period, the carbon inventory covers the GHG emissions and removals from the Company and its branches and subsidiaries, as reflected in the financial statements. The inventory boundary includes both direct (Scope 1) and indirect emissions from purchased energy (Scope 2) GHG emission sources: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and hydrofluorocarbons (HFCs). The emissions of Scope 1 and Scope 2 are calculated according to the Self-Regulatory Guidelines No. 3 for Companies Listed on SZSE-Preparation of Sustainability Report, with the organizational boundaries defined by the Financial Control Approach.

Carbon Emissions (2023-2024)					
Indicator 2023 data 2024 data					
Scope 1 Emissions (tCO₂e)	225,027.02	199,715.38			
Scope 2 Emissions (tCO ₂ e)	271,982.73	184,488.22			
GHG Emissions (tCO2e)	497,009.75	384,203.60			
Carbon Emissions by Businesses (2023-2024)					
Indicator	2023 data	2024 data			
Crop Business (tCO ₂ e)	38,067.79	21,773.83			
Feed Business (tCO ₂ e)	228,126.01	148,004.54			
Pig Farming Business (tCO₂e)	202,543.65	195,178.59			
Animal Health and Vaccine Business (tCO₂e)	19,957.3	13,139.38			
Others (tCO ₂ e)	8,315	5,605.95			

Note: In 2024, the Company enhanced its collaboration with external professional institutions to refine the statistical boundaries and calculation methods for emissions from pig farming. The Scope 1 GHG emissions in 2023 were thus adjusted to 225,027.02 tCO2e.

Environmental **Benefits**

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GHG Emissions Reduction

To align with the green development trend featuring high efficiency and low energy consumption, the Company is driving business transformation and upgrade. At the same time, the Company is attaching importance to R&D and the practical applications of green and low-carbon technologies, stepping up efforts to reduce GHG emissions in all businesses.

Low-carbon Technology Innovation and Application>>>

< 1 > Crop Business

Biological breeding technologies are applied to reduce fertilizer application rates and pesticides in agriculture. Farm irrigation is optimized to reduce methane emissions during rice growth stages.

<2> Feed Business

The Company strives to make energy supply more eco-friendly and simultaneously reduce energy consumption, implementing the green development philosophy. In the heating sector, the Company introduces biomass fuel to reduce reliance on traditional fossil fuels; in the electricity consumption sector, the Company utilizes solar-generated electricity to reduce thermal power consumption.

< 3 > Pig farming Business

Low-carbon Packaging:

In large-scale breeding farms, bulk feed is commonly used. the Company utilizes a centralized automated control system in its company-owned farms to directly transfer feed from the feed inlet to feed trucks, eliminating manual contact. The feed is then transported via feed lines from central feed silos to smaller silos, and finally to pig pens. The fully automated control process not only effectively safeguards biosecurity and reduces feed contamination and loss but also significantly minimizes the use of packaging materials.



Small feed silo in piggery

Production Management:

A series of measures are implemented to reduce electricity consumption, environmental treatment chemicals use and excess sludge generation, including piggery odor control, optimization of environmental protection zone operation and management, as well as equipment inspection, repair and maintenance. While reducing the overall costs of pig farming, these measures help reduce the emissions of greenhouse gases such as methane and nitrous oxide.



Biomass Energy Utilization:

The biogas produced by the anaerobic treatment system in environmental protection zones of the pig farming business can supply heat through combustion in the boiler after purification. While reducing waste accumulation and pollution, this measure provides renewable energy, reduces fossil fuel consumption, and promotes the sustainable development of the pig farming business.



Low-carbon life>>>

<1 > "Clean Plate" Campaign

The Company encourages employees to actively participate in the Clean Plate Campaign and jointly create a positive atmosphere for saving food.

< 2 > Green Commuting

The Company advocates public transport and shared mobility. By installing bicycle shelters and EV charging piles, the Company encourages employees to commute by bicycle or electric vehicle.

Voluntary GHG Emission Reduction Program>>>

During the reporting period, the Company has neither registered or traded in GHG emission allowances via the National GHG Emission Reduction Program or Chinese Certified Emission Reduction (CCER) mechanism, nor has it participated in other emissions reduction programs, registrations, or trading activities.

Top view of environmental protection zones in our piggery

Biogas storage bladders in environmental protection zones of the piggery - Biogas purification - Biogas-fired boilers

Pollutant Emissions and Waste Treatment

The Company monitors and controls the exhaust gas, wastewater and solid waste ("Three Wastes") generated from its production and business operations in strict accordance with Chinese laws and regulations such as the *Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution, the Law of the People's Republic of China on the Prevention and Control of Water Pollution, the Law of the People's Republic of China on the Prevention and Control of Water Pollution, the Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes, as well as local discharge permit standards. To reduce its ecological footprint, the Company implements a range of measures, including process optimization, workflow improvement, and equipment upgrades, to minimize pollutant emissions and reduce energy consumption. These efforts reflect the Company's commitment to fulfilling its ecological protection responsibilities. To resolve the tough problem of disposal and treatment of "Three Wastes" from different sources and of different categories, the Company takes targeted measures to effectively control exhaust gas emissions, meet wastewater discharge standards, and strike the maximum balance between environmental benefits and economic benefits of solid waste. In the future, the Company will pay continued attention to pollutant emissions reduction and recycling of waste as resources, and continuously improve environmental performance through enhanced employee training and waste management.*

S Environmental Protection Equipment Operation Management

The Company has installed a series of environmental protection facilities for pig farming, including deodorization devices in the piggery as well as bar screens, solid-liquid separators, anaerobic fermentation systems (black membrane anaerobic digesters, anaerobic fermentation tanks), biogas dehydration tanks, biogas desulfurization tanks, biogas-fired boilers, torches, two-stage anaerobic-oxic (AO) reaction pools, coagulation and flocculation sedimentation tanks, advanced oxidation reaction tanks, disinfection tanks, multi-disc screw press, oxidation ponds, and return-to-field pipeline networks, etc. in the environmental protection zone. In 2024, the Company conducted commissioning and maintenance of environmental protection facilities and on-site technical guidance and training for many times, fully guaranteeing the stable and efficient operation of facilities and equipment.

S Pollutant and Waste Management

Social

Benefits

In compliance with relevant laws and regulations, the Company reduces pollutant generation and enhances prevention and control of environmental pollution to ameliorate environmental quality.

C	Category	Source		Disposal methods
		Water contained in animal urine and feces	Anaerobic fermentation, return of water fertilizers to farmland	Solid-liquid separation, anaerobi
	Livestock wastewater	and cleaning water used during breeding	Discharge upon complying with the national emission standards	Solid-liquid separation, anaer
	Laboratory wastewater	Laboratory buildings	Be integrated into the municipal wastewater treatment plant pipeline network system	Multiphase catalytic o hydrolysis ar
Wastewater	Laboratory hazardous wastewater	Laboratory buildings	Entrust to a qualified entity for handling	Centralized collection and tempo with regular entru
	Production wastewater	Cleaning water for equipment and instruments in quality inspection experiments, animal laboratories, and other facilities of the Animal Health and Vaccine Business	Be integrated into the municipal wastewater treatment plant pipeline network system	After being inactivated by h it is discharged to the in-pla
	Fertilizer/ Pesticide production wastewater	Industrial parks for fertilizer and pesticide production	Discharge upon complying with the national emission standards	Fenton reaction, one-stag
	Domestic sewage	Living zones	Integrate into the municipal pipe network	Primarily deploy sep

Corporate Governance

bbic fermentation, return of water fertilizers to farmland

c oxidation, coagulation and sedimentation, and acidification, contact oxidation

porary storage in the Hazardous Waste Storage Room, rustment to qualified entities for disposal

[,] high-temperature steam and passing inspection, plant wastewater treatment station for processing.

age anaerobic-oxic (AO), disinfection treatment

eptic tanks for domestic sewage treatment

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Social

Benefits

	1			
	Oder	Livestock farming and manure-urine		Environmental control wet cur thermal insulat
	Odor Collection and treatment			Fences, ventilation facilities, odor contro
	Dust	Extruded feed and hard pellet feed processing	Discharge upon complying with the national emission standards	Pulse jet baghouse dust coll
Exhaust gas	Stink	Expanding and granulation procedures of feed processing	Emit upon complying with the national emission standards	Cyclone dust collector treatment, wet s
	Julik	Animal rooms	Absorption	Adsorption filtration treatment with acti
	Exhaust gas generated from boilers	Boiler combustion	Discharge upon complying with the national emission standards	Treatment b or through bag dust filtra
	Other exhaust gases	Laboratory buildings and sewage stations	Discharge upon complying with the national emission standards	Enclosed collection and centralized a
	Solid swine manure	Solid feces obtained from solid-liquid separation	Recycle as resources	Transport to organic fertiliz high-temperati
	Dead pigs due to disease	Pig farming	Recycle as resources	High-temperature biological harmle
Solid waste			Entrust to a qualified entity for handling	Entrust to a qualified e
	Hazardous waste	Medical waste, chemicals, etc.	Entrust to a qualified entity for handling	Centralized collection and temporary with regular entrustme
	Domestic waste	Work, life	Entrust a qualified entity or municipal sanitation agencies for handling	Centralized colle with entrustment to third p

curtain, micro-positive pressure air filtration, lation spraying (for pig barns)

ntrol spray equipment (environmental protection zone)

ollector or cyclone dust collector treatment

t scrubbing spray system and photocatalytic oxidation

ctivated carbon is carried out at the ventilation outlet.

t by low-nitrogen burners, ration and wet dust removal processes

absorption and filtration through activated carbon

ilizer factories or return to farmland after ature biological fermentation

less treatment, fermentation for organic fertilizers

entity for handling on a regular basis

ary storage in the Hazardous Waste Storage Room, ment to qualified entities for disposal

llection and temporary storage, parties or municipal sanitation agencies

(

S Pollutant Emissions and Waste Management

During the reporting period, the Company's production and business operations did not exert a considerably adverse impact on employees, local community residents and other stakeholders. Along with branches and subsidiaries, the Company has conducted treatment of "Three Wastes" in strict accordance with relevant requirements. Relevant environmental penalties, if any, were disclosed in the Company's annual report. In line with its practical conditions, the Company has also ramped up efforts in improving environmental monitoring plans and risk management measures.

In 2024, the quantities of pollutants and wastes generated, treated and discharged by the Company are presented in the following table.

Indicator	2024 data
Total wastewater discharge (10,000 tons)	13.54 (pig farming business excluded)
COD emissions (tons)	35.62
Ammonia nitrogen emissions (tons)	15.08
General waste disposal (tons)	2,033.63
Swine manure treatment (10,000 m³)	201.2

Water Resources Management and Utilization

S Water Resources Management

Social

Benefits

The Company attaches great importance to the effective utilization of water resources. To guidance production water use, the Company has formulated the DBN Water Utilization Standards for Pig Farms, the DBN Water Utilization Standards for Production Zones, and other documents. Meanwhile, the Company has actively launched water conservation awareness campaigns. For instance, water conservation signs are put up in prominent areas within industrial parks to advocate the water conservation philosophy. In addition, the Company has held over **140** water conservation training sessions, reaching nearly **900** trainees.

S Water Resources Utilization

In 2024, the water resources consumed by various businesses of the Company mainly were sourced primarily from municipal water systems, surface water, groundwater, and rainwater. Throughout the year, the total water resources consumption reached approximately **4,428,200** tons, including **308,200** tons of surface water and **34,000** tons of rainwater directly collected and stored by the Company. The quantities of water consumption across different businesses are presented in the following figure.



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Environmental Benefits

Social Benefits

Water Conservation Measures

The specific water conservation measures adopted by different parks of the Company's various businesses are as follows:

Feed Business>>>

- 1 Recovery and utilization of steam condensate and boiler blowdown water
- (2) Apply a variable frequency drive to control the water pump motor and maintain constant-pressure automatic variable water supply according to the actual water demand
- 3 Drip irrigation technology is used for the greening of the factory area, which precisely delivers water and fertilizer to the roots of plants
- the lawn

Pig Farming Business >>>

- and maintain in a timely manner
- 2 Install float valves in the central pumping room and apply high-pressure flushing simultaneously
- the outside temperature conditions
- ④ Equip an appropriate amount of disinfectant according to the specifications of feed transportation vehicles



Spill-proof drinking water facilities

Animal Health and Vaccine Business>>>

- (1) Conduct daily inspections to promptly detect abnormalities, and simultaneously investigate and address them
- (2) Condensate recycling and utilization

Other Businesses>>>

In certain parks, reclaimed water is used for sanitary flushing and landscape irrigation.

Business	Category	Primary Links of Water Consumption
Сгор	Production	Irrigation during crop growth stages; equipment cooling, cleaning and disinfection during seed pro- cessing and storage
	Production	Raw materials cleaning, powder blending, granula- tion, cooling, equipment and environmental cleaning
Feed	Life	Water usage for employees' daily life and canteen operations
	Production	Pig drinking, pig pen cleaning, vehicle washing and disinfection, wet curtain cooling, atomizing nozzle colling system for piggeries
Pig farming	Life	Water usage for employees' daily life and canteen operations; Water usage for disinfection of roads outside pig farms
	Environmental protection	Chemicals dissolution and dilution
Animal	Production	Cell thawing and culture, cell washing and virus solution inoculation, vaccine solution harvesting, virus inactivation and preparation, formulation of vaccine bulk, filling and storage, expansion and maintenance of purified water and water for injection systems
health and	Experiment	Water usage for experiments and tests
vaccine	Life	Water usage for employees' daily life and canteen operations
	Others	Equipment washing and environmental disinfection; wastewater treatment systems



(4) Wastewater purified by the wastewater treatment facilities is introduced to the underground irrigation system of

(1) Install water meters and water-saving valves, use water-saving drinking fountains, conduct regular inspections,

③ Install float valves in the water curtain pool to realize automatic water replenishment. Set operating parameters of the water curtain in a scientific manner according to the adaptability of the pig herd to the temperature and



Water conservation equipment for breeding

Energy Management and Utilization

Second Se

The Company advocates energy conservation office operations. Specifically, the Company has conducted energy conservation management in factories and applied clean energy and energy conservation equipment to continuously reduce energy consumption and improve energy utilization efficiency.

Energy Consumption (2023-2024)

Indicator	2023 data	2024 data
Diesel (kg)	1,212,735.78	1,170,113.45
Gasoline (kg)	249,749.62	258,689.94
Natural gas (m³)	18,823,899.55	18,284,418.85
Liquefied petroleum gas (LPG) (kg)	31,788	100,072.62
Electricity (kW·h)	345,870,271	282,632,121.58
Thermal heat (GJ)	679,390.20	211,846.58
Raw coal (tce)		6,897.32
Total energy consumption (tce)	69,755.48	75,436.45
Energy consumption intensity (tce / million CNY of operating revenue)	2.09	2.62

Energy Consumption Intensity by Businesses (2023-2024)

(tce/million CNY of operating revenue)

Indicator	2023 data	2024 data
Crop business	1.56	2.27
Feed business	2.11	2.46
Pig farming business	5.17	3.31
Animal health and vaccine business	10.04	10.38

S Clean Energy Utilization

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Benefits

The Company is actively exploring and practicing clean energy solutions, making progress in the utilization of biomass energy, solar energy, geothermal heat pumps (GHPs), and new energy vehicles (NEVs).

Biomass Energy Utilization:

In 2024, the Company's biomass energy consumption reached roughly **19,000** tons, mainly for heating in the crop and feed businesses.

Solar Energy Utilization:

In 2024, a park of the Company's feed business signed a roof space leasing agreement with a third party to develop a solar PV project on workshop rooftops. The generated electricity is integrated into the workshop power system at a low cost, with an annual consumption of approximately **766,500** kWh. In addition, the Company actively launched pilot projects for solar-powered streetlights in feed and pig farming industrial parks, with an annual consumption of over 1,000 kWh.

Geothermal Heat Pumps:

DBN Phoenix International Innovation Park adopts geothermal heat pumps to meet the heating demand in winter. The park heats nearly 45,000 square meters, with a total supply of 14,200 GJ per heating season. Compared with traditional heating system, geothermal heat pumps demonstrate higher operating efficiency and lower pollutant emissions, thereby saving **360** tce and reducing GHG emissions by approximately **670** tCO₂e per heating season.



NEV Adoption:

The Company has gradually replaced diesel vehicles with NEVs for product transportation in feed industrial parks and animal health and vaccine industrial parks to reduce carbon emissions.



Recovery and Utilization of Steam Condensate:

During pipeline transportation of boiler steam to feed production pellet mills, condensate discharged from steam traps is collected in dedicated condensate storage tanks. This condensate is then re-injected into the boiler via water pumps or recycled into the workshop heating system for heat recovery and reuse. (see Figure 1 below)

Geothermal heat pumps

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Installing Boiler Economizers:

Boiler economizers are installed on boiler equipment to preheat the cold water entering the boiler into warm water, raise boiler inlet water temperature, and reduce the fuel consumption required for converting water into steam. (see Figure 2 below)



Figure 1: Steam condensate storage tank

Figure 2: Boiler economizer



The Company's piggery ventilation systems widely utilize micro-positive pressure air filtration technology, ensuring gentle and stable air circulation. This approach effectively reduces the risk of disease transmission, mitigates ammonia emissions and odors, and maintains optimal indoor temperature, providing pigs with purified, fresh air. Airtightness is critical for air filtration system installation. By implementing strict sealing measures at critical locations, such as piggery roofs, the air filtration system significantly reduces heat loss in winter, enabling target piggery temperatures to be maintained at a lower energy cost.

Thanks to this technology, the electricity consumption required for piggery heating in winter is significantly reduced. This move provides an economical and environmentally solution for piggery operations, achieving the multiple goals of energy conservation, emission reduction, and healthy pig farming.



Air filter box (side view)



Piggery sealing (polyurethane spraying)

Biodiversity Conservation

The Company attaches great importance to biodiversity conservation. With a focus on the conservation of germplasm generic resources, we have continuously improved biodiversity conservation measures to contribute to the building of a beautiful China.

In 2024, the Company mainly focused on the introduction, evaluation, and identification of germplasm resources for strategic staple crops like corn and soybean, which are critical to national food security. As of the end of the reporting period, more than **3,000** germplasm resources of corn and soybean have been successfully introduced. In terms of technological innovation, the Company has established a modern agricultural germplasm repository paired with an integrated management system. Leveraging big data, visualization, and other information technologies, the Company has developed a comprehensive R&D platform enabling standardized management of processes including germplasm collection, sorting and preservation, reproduction and renewal, and identification and evaluation.

This platform also synchronously integrates breeding management, digital information arching, and analytics functions. Furthermore, the Company has built artificial climate chambers, solar greenhouses, and other facilities to improve the efficiency of germplasm verification and breeding.

In terms of industrial application, the Company has joined hands with prestigious research institutes to establish a soybean and corn biological breeding innovation consortium. The consortium focuses on breakthroughs in critical technologies such as gene editing, genome-wide selection, big data breeding, and artificial intelligence breeding. A new commercial engineering breeding system has been developed to provide technical support for rapidly advancing a series of breakthrough varieties.



Germplasm inventory: Inbound records, outbound records, inventory visualization Phenotype information management: Agronomic traits, advanced search, DUS information Inbound and outbound review: Application review and process management Reminders and alarms: Multiplication reminders, approval notifications, environmental alarms Identification of germplasm resources: Trait collection, trait correlation analysis, trait similarity analysis Data management: Image management, attachment management, data import and export Phenotype data analysis: Principal component analysis, hierarchical clustering, genetic diversity index Coding and barcode management: Coding management, barcode generation Seed distribution: Demand planning, seed distribution, shipping management

- Basic information management: Germplasm resource name, germplasm resource ID, lineage information

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Circular Economy

The Company is committed to exploring sustainable agricultural development models. In the pig farming business, demonstration projects in integrated planting and breeding have been carried out at large-scale farms in many regions across the country. To manage pig farming waste, the approaches of "reduction and classified resource utilization" have been adopted to curb GHG emissions such as methane and nitrous oxide so as to create a low-carbon and sustainable agricultural ecosystem. A variety of approaches have also been adopted to drive the industry development and increase the income of surrounding farmers, including land use rights transfer, contract farming and contract rearing, public employment, industrial training, and circular utilization of organic fertilizers. These efforts aim to strike synergistic balance among economic, ecological and social benefits.



Eco-circular Industrial Park for Pig Farming

The Company strictly adheres to local government regulations for the construction of eco-circular pig farming communities. Upholding the principles of integrated crop-livestock operations and swine manure resource utilization of swine manure, the Company ensures that the scale of pig farming is aligned with environmental carrying capacity. For instance, the Company has built a "three-in-one" eco-circular pig farming industrial park in North China, which integrates "ecological pig farming, comprehensive utilization of swine manure, and green planting". Adopting the "company + farm" collaborative development model, the project utilizes a 14-kilometer dedicated pipeline network to deliver biogas slurry and residue (biogas fertilizer)-generated from swine manure treatment, free of charge to four neighboring administrative villages that cover over **20,000** mu (approximately 1,333 hectares) of farmland. By returning biogas fertilizers to farmland, the model improves soil structure, enhances organic matter content, reduces the use of chemical fertilizer and pesticides, and ameliorates farmland ecological environments. Collectively, these efforts advance agricultural sustainability and establish a replicable model for eco-friendly pig farming.



DBN's eco-circular agriculture project in North China: integrated crop-livestock farming

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With the great mission of strengthening agriculture and serving the country, DBN Group aligns business operations in crop, feed, pig farming, animal health and vaccine with the country's strategy for strengthening agricultural development. Driven by scientific and technological innovation, the Company promotes product and service innovation, supports the high-quality development of agricultural enterprises, and accelerates the upgrading of agricultural industry chains to enhance overall agricultural efficiency. Beyond prioritizing the protection of employee rights and interests, the Company proactively undertakes public welfare initiatives, aspiring to become an industry pacesetter that injects vitality and impetus into building China into an agricultural power.

- **S** Total seed sales: **53.526** million kg (corn, rice, and soybean)
- Farmland coverage: Over 40 million mu (approximately 26,667 km², cash crops excluded), serving 750,000 farmers
- **5.406** million tons
- **S** Total pigs supplied to market: **6,405,000** heads
- Partnerships with small and medium-sized farms and family farms: Over
 2,000 farms
- **S** R&D investment: **734.89** million CNY (**2.55%** of operating revenue)
- Total number of employees: 16,136 (100% labor contract signing rate, 100% social insurance coverage)
- DBN Scholarship for College Entrance Examination and Unified National Graduate Entrance Examination: 152 employee children (431,000 CNY)
- S DBN Scholarship: **764** students (**1.6078** million CNY)
- S DBN Teaching Prize: **15** teachers (**150,000** CNY)

This chapter responds to the following SDGs:



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Rural Revitalization

The report to the 20th National Congress of the Communist Party of China emphasized that the country will advance rural revitalization across the board and put agricultural and rural development first. The country will also move faster to build up China's strength in agriculture and steadily promote the vitalization of businesses, talent, culture, ecosystems, and organizations in the countryside. Upholding the corporate philosophy of "strengthening agriculture and serving the country, striving to be No.1 and pursuing common development", DBN Group has actively responded to the country's call to support national strategies by focusing on industrial and talent revitalization. The Company devotes itself to promoting rural revitalization and building up China's strength in agriculture, contributing wisdom and resources to comprehensively advancing rural revitalization.

Industrial Revitalization

DBN Group's industrial layout covers crop, feed, pig farming, animal health and vaccine, and other fields focusing on critical links in agricultural production. The Company integrates its entire business portfolio into rural revitalization, leveraging industrial advantages to drive paired assistance projects. It has successively launched industrial support initiatives in Inner Mongolia, Shaanxi, Hebei, Henan, Sichuan, Guizhou, Hubei, and other regions, boosting rural revitalization. By the end of 2024, the Company has invested in 23 assistance projects in national key assistance areas.



Crop Business>>>

- DBN's crop business is distributed in 26 provinces and 181 counties/cities/districts nationwide. Operating under a "company + base + farmer" model, the Company develops targeted production plans to secure seed quality and yield.
- The tech team provides technical guidance, guality control and consulting services throughout the pre-production, production, and post-production stages to enhance farmers' planting skills.
- Sales are supported by a distributor network, ensuring efficient seed circulation, promoting agricultural upgrades, and boosting farmers' income.
- In 2024, the crop business sold a total of 53.526 million kg of corn, rice and soybean seeds, covering over 40 million mu (around 26,667 km²) of farmland (cash crops excluded) and serving 750,000 farmers.

Feed Business>>>

The feed business of DBN Group spans 28 provinces (including autonomous regions and central municipalities), 89 cities (prefectures, leagues, autonomous prefectures, etc.), and 98 counties (autonomous counties, banners, autonomous banners, etc.). The Company is committed to upgrading its feed business into a more open and shared industrial ecosystem platform, strengthening the service capabilities of its feed system to support industry collaboration. The Company provides small and medium-sized livestock breeders, family farms, and large-scale farms with comprehensive integrated services, including smart feed manufacturing, raw material supply, technical services, and animal nutrition and health solutions. These efforts aim to reduce production costs of farmers, improve quality and efficiency, and enhance the production and operation capacity, and competitiveness of family farms, small and

medium-sized livestock breeders and other operators. Ultimately, the goal is to promote the high-quality, sustainable, and healthy development of the feed industry. In 2024, the feed business of DBN Group sold a total of 5.406 million tons of feed externally.

In response to new trends, changing environments, and evolving industrial landscapes, the Company has reconstructed its organization, cultivated capabilities, and pioneered a new development paradigm. Currently, the Company is promoting a collaborative development model, building an industrial ecosystem platform to form an industrial development matrix featuring production synergy, technological complementarity, and factor sharing. In Youxian County, Hunan Province, pig farming is dominated by a decentralized breeding model represented by individual farmers, leading to challenges such as weak disease prevention and control capabilities, inconsistent breeding technologies, and low market bargaining power. With the support and promotion of DBN Group, the Youxian Tianshun Mutual Assistance Alliance for Pig Farming was established, bringing together individual farmers in the county

Regarding epidemic prevention and control, the alliance has established a unified early warning and prevention mechanism, shared epidemic information and coordinating the centralized procurement of epidemic prevention supplies, which significantly reduces the risk of epidemic outbreaks. In terms of feed supply, the alliance cooperates with the Company as a collective, ensuring stable feed supply while reducing feed procurement costs. In sales, the alliance leverages its collective advantages to uniformly engage with the market, enhance bargaining power with purchasers, increasing live pig sales price, and boosting farmers' incomes. On this basis, the Company provides farmers with customized feed of core ingredients, professional technicians, and financial support, fully backing the alliance's development. Through this model, members of the Youxian Tianshun Mutual Assistance Alliance for Pig Farming benefit from resource sharing and complementary advantages, significantly enhancing their overall risk resistance



The 3rd Anniversary Celebration of the Establishment of Youxian Tianshun Mutual Assistance Alliance for Pig Farming (Hunan Operations Region of DBN Group)

Collaborative Development and Regional Ecosystems

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Pig Farming Business>>>

DBN Group's pig farming business primarily adopts a "company + ecological farm" breeding model, complemented by the "self-breeding and self-raising" approach. The Company operates in 22 provinces (autonomous regions and central municipalities) and over 70 cities (prefectures, leagues, and autonomous prefectures) across the country. Under the "company + ecological farm" model, the Company either breeds piglets internally or procures them from trusted suppliers, then entrusts farmers to fatten the piglets in accordance with the Company's standardized breeding protocols. Once the pigs reach market standards, the Company organizes unified pig procurement for external sales and pays farmers for their fattening services. By deeply integrating its own expertise and advantages in culture, management, technology, environmental protection, supply chain, animal nutrition, and health management with small and medium-sized livestock breeders and family farms, the Company aims to create an open, inclusive, and sustainable pig farming ecosystem platform that emphasizes circular integration of planting and breeding. In 2024, DBN Group's pig farming businesses (including companies where we have a controlling stake or own shares), supplied 6.405 million pigs to market, collaborating with more than 2,000 small and medium-sized livestock breeders and family farms.

Talent Vitalization

To deeply implement the rural revitalization strategy of the Party and the state, support rural education development, and comprehensively promote rural revitalization, the Company focuses on talent vitalization, integrating assistance with fostering ambition and intelligence. Taking educational support as a key measure, the Company prioritizes educational assistance initiatives in key support counties for rural revitalization and old revolutionary zones, covering three aspects: financial support, talent support and social participation. The Company has established "DBN Charity Fund" and launched a series of educational programs among 106 domestic agricultural higher education institutions, including the "DBN Scholarship", "DBN Teaching Prize", "DBN Educational Fund", "Research Start-up Fund for Young Teachers", and "DBN Scholar Program Fund". These charity programs are designed to reward scientific talents, teaching professionals and outstanding students, supporting discipline construction, talent cultivation, and educational undertakings in agricultural colleges and universities. These efforts enhance the confidence of Chinese agricultural students to study agriculture, develop affection for agriculture and commit to agricultural development.

DBN Scholarship and DBN Teaching Prize>>>

The DBN Teaching Prize and DBN Scholarship are funded by DBN Group, aiming to support excellent agricultural students from low-income families to complete their studies and meanwhile support and reward outstanding teachers from agricultural colleges and universities. In the 2023 academic year, DBN Group awarded a total of 1.7578 million CNY in scholarships and teaching prizes, including **1.6078** million CNY for scholarships and **150,000** CNY for teaching prizes. A total of 764 students from 32 agricultural colleges and universities, won the scholarships; 15 teachers from 7 agricultural colleges and universities won the teaching prizes. These funding and incentive initiatives have significantly boosted the confidence of Chinese agricultural students to study agriculture, develop affection for agriculture and commit to agricultural development. As of the end of the reporting period, the cumulative amount of DBN Scholarship and DBN Teaching Prize had exceeded 45 million CNY, benefiting over **36,000** recipients in total.



DBN Group awards teaching prizes and scholarships.

The "Flying Love" Public Welfare Program>>>

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The Company has long prioritized education in poverty-alleviated regions and actively supported educational development in underdeveloped areas. In October 2021, it launched the "Flying Love" Public Welfare Program, through which the Company and its employees jointly funded the construction of DBN Revitalization Primary Schools in revolutionary old areas along the Long March route, contributing practically to the national rural education revitalization initiative. Since its launch, the program has completed four DBN revitalization Primary School projects, with approximately 83,300 participant-donations from employees. Looking ahead, the Company will continue to align its efforts with the Communist Party of China and the nation's strategies, focusing on the "Rural Revitalization 100-County Initiative". It will select key counties for comprehensive support through measures including county-level agricultural development planning, capital introduction, agricultural talent training, technology transfer and promotion, agricultural product e-commerce, agricultural park construction, the 100 Vocational High School Upgrading Program, and DBN Revitalization Primary Schools. These initiatives aim to accelerate rural revitalization, strengthen China's agricultural sector, and contribute to advancing Chinese modernization, national development, and the rejuvenation of the Chinese nation.

Leading Geese Program Visits DBN Group>>>

For rural revitalization, industry serves as the foundation while talent is the key. The Leading Geese Program aims to cultivate a contingent of rural industrial revitalization leaders who are compatible with agricultural and rural modernization. These "Leading Geese" are expected to become the backbone of rural revitalization, demonstrating strong leadership, support and influence.

In 2024, rural industry revitalization leaders from Hubei, Guangxi, Inner Mongolia, and other regions led training sessions of the Leading Geese Program to visit DBN Phoenix International Innovation Park for exchange activities. This event was not merely a field visit but a journey of in-depth learning and ideological inspiration. Every participant gained an in-depth understanding of DBN Group's corporate culture, business development history, and development plan. They listened to experiences on how DBN drives modern agricultural development through scientific and technological innovation. DBN's practical experiences provided replicable insights for the program participants.



Training sessions of the "Leading Geese Program" for cultivating rural industrial revitalization leaders were held at DBN Group

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Innovation-driven Development

The Company actively responds to the nation's strategy of achieving self-reliance in high-level agricultural science and technology. Taking the initiative to shoulder the industry' s mission, the Company has fostered breakthroughs in key and core agricultural technologies as the driving force to meet the pressing needs of the business. Moreover, the Company is accelerating agricultural science and technology innovation with a focus of the crop business, driving major breakthroughs in agricultural technology. Through the development of agricultural new quality productive forces, the Company contributes to the advancement of building a strong agricultural nation.



Science and Technology Innovation System

DBN Group has established each business unit as a core innovation hub, integrating national, provincial, and ministerial-level research platform resources through independent R&D, technology introduction, and industry-university-research collaboration. By building a domestically leading enterprise technology innovation system, the Company comprehensively enhances its core competitiveness and contributes to the overall advancement of agricultural science and technology innovation.







Deepening Multi-dimensional University-enterprise Collaboration

In 2024, the Company continued close collaboration with a few universities and research institutes such as China Agricultural University, Chinese Academy of Agricultural Sciences, Jiangsu Academy of Agricultural Sciences. Through these partnerships, the Company accomplished over 30 science and technology collaboration projects, including joint technological breakthroughs, commercialization of major achievements, and technical guidance services. In 2024, the Company actively undertook the 'Special Program for the Reform of Engineering Graduate Training.' In partnership with China Agricultural University, Zhejiang University and Huazhong Agricultural University, the Company jointly trained 27 Master of Engineering and Doctor of Engineering students. Together with China Agricultural University, the Company implemented the 'University-Industry Collaborative Education Program (DBN Group Special Track)' for joint professional master's and doctoral training, jointly training 18 graduate students.

Science and Technology Innovation for Public Welfare: The DBN Science and Technology Award

To fully leverage the incentive and guiding role of science and technology awards, stimulate the enthusiasm and creativity of agricultural science and technology professionals, and promote advancements in agricultural science and technology and agricultural industry development, the "DBN Science and Technology Award"- a public welfare science and technology award for the agricultural sector founded by DBN Group and approved by the Ministry of Science and Technology-was established. The award primarily rewards science and technology personnel who have made outstanding contributions to agricultural applied research.

In 2024, the DBN Award Office organized the online preliminary evaluations, conference reviews, and final evaluations for the 13th DBN Science and Technology Awards. The DBN Award Committee oversaw the final review, ensuring a rigorous evaluation process, strict compliance with review procedures, and high standards for award selection. A total Table of Contents

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of 73 award-winning achievements were ultimately selected, including 5 Special Prizes, 18 First Prizes, 30 Second Prizes, 20 Youth Science and Technology Innovation Prizes, with a total prize fund of 10 million CNY. The award-winning achievements span key sectors and emerging disciplines vital to the national economy, people's livelihood, and human health, including agriculture, food science and biomedicine. These achievements will contribute to comprehensively advancing rural revitalization, accelerating the building of the country's agricultural strength, and promoting the modernization of agriculture and rural areas.

Science and Technology Innovation Achievements

During the reporting period, the Company was granted a total of 166 patents, including 72 invention patents, 90 utility model patents and 4 design patents. Additionally, the Company obtained 53 new plant variety rights, 43 nationally approved new crop varieties, and 1 new veterinary drug certificate.



As of the end of the reporting period, the Company has obtained:

National Science and Technology Progress Award		6
Provincial/Ministerial Science and Technology Awards		22
Patent applications disclosed		3,164
Patents authorized		2,409
Plant variety rights (PVRs)	Corn	220
	Rice	297
	Corn	146
Nationally Approved New Crop Varieties	Rice	118
	Soybean	2
Genetically modified (GM) crop varieties that have passed	Corn	3
National Crop Variety Approval	Soybean	6
GM crop varieties with DBN's traits that have passed	Corn	37
National Crop Variety Approval	Soybean	6
Non-main crop varieties registered		104
National certificate for new veterinary drugs		33

Cultivating New Quality Productive Forces in Agriculture

Deploying Biotechnology to Cultivate New Quality Productive Forces in Agriculture>>>

In 2024, the country's No.1 Central Document on Agriculture, issued by the Central Committee of the Communist Party of China, proposed that efforts shall be made to accelerate the revitalization of the seed industry, improve the collaborative R&D and application cooperation mechanism, intensify research on key and core technologies for germplasm resources, and accelerate the selection, promotion and production of indigenous high-quality varieties that are in urgent need. In response, the Company launched pilot programs for the R&D, promotion and application of major varieties, driving the scale-up and acceleration of biological bred industrialization. As of the end of the reporting period, DBNBC had achieved significant phased results, including 4 corn trait products with agricultural GMO safety certificates (for production and application), 4 soybean trait products with domestically approved agricultural GMO safety certificates (for production and application), 2 soybean trait products with domestically approved agricultural GMO safety certificates (for import as raw materials of processing), 3 soybean trait products with official planting licenses from the Argentine government, 2 soybean trait products with Brazil's planting licenses. As of the end of the reporting period, MARA had issued two batches of announcements on GM corn and soybean varieties that have passed National Crop Variety Approval, including 64 GM corn varieties and 17 GM soybean varieties. Among them, **37** are corn varieties with DBN's traits and **6** are soybean varieties with DBN's traits. Besides, **4** subsidiaries of DBN Group have obtained GM seed production and operation licenses.

GM Corn and Soybean Varieties Approved





Field comparison of pest resistance between biological bred corn and conventional corn

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2021-2023 results of the FARMAX Beikang[®] (DBN3601T) Pilot Program in Yunnan

In 2021, China launched a pilot program of GM corn and soybean industrialization. The program was expanded to farmers' fields in Inner Mongolia and Yunnan in 2022 and further expanded to 20 counties across 5 provinces/autonomous regions (Hebei, Inner Mongolia, Jilin, Sichuan, and Yunnan) in 2023, with seed production arranged in Gansu. According to an evaluation by MARA, the three-year pilot program had met its intended objectives. Specifically, GM corn showed over 90% control efficiency against pests like fall armyworms, while GM corn and GM soybean achieved average yield increase of 8.9% and 8.8% respectively. With remarkable improvements in yield, effect and ecological benefits, the Company has basically established an institutional system geared to industrialized application, laying a solid foundation for scaling up and accelerating biological breeding industrialization.

FARMAX Beikand® (DBN3601T), is a corn trait-enhanced product of DBNBC FARMAX, enhances the resistance to fall armyworm (Spodoptera frugiperda) and common cutworm (Agrotis ipsilon) based on the pest resistance traits of Baokang® (DBN9936). It ensures yield stability and introduces glufosinate resistance, offering efficient, safe, and flexible weed control solutions for corn while effectively reducing farmers' production costs.



Field comparison of herbicide tolerance between biological bred corn and conventional corn

S IPRs Protection

The Company places great emphasis on IPRs protection. In strict compliance with relevant national laws and regulations, it has established an IPRs center to coordinate and standardize patent management. Management regulations, including the DBN Group Intellectual Property Rights Management Measures and DBN Patent Incentive Measures, have been revised, and an IPRs platform has been established to define the overall approach, objectives, and specific measures for legal IPRs protection. These efforts aim to comprehensively strengthen the creation, application, management, and protection of the Company's intellectual property, thereby enhancing its core competitiveness. As of the end of the reporting period, the Company had disclosed 3,164 patent applications, among which 2,409 were granted and 1,637 remained valid.



patent applications disclosed



初次发证日期: 2023年04月17日



The Company has passed the IPRs management system certification, meeting the GB/T29490-2013 standards. The validity period of the certification covers from April 2023 to April 2026

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Science and Technology Ethics

S Crop Business

The Company's crop business subsidiary DBNBC, was founded in December 2010 as a high-tech company dedicated to the R&D of biotech products for key crops such as corn and soybean. With a vision to become a leading innovator in agricultural biotechnology, DBNBC is committed to enhancing crop performance, nutrition and health, and sustainable development.

DBNBC has established a comprehensive and robust R&D platform, bolstered by a top-tier technological R&D team, and created a systematic biological bred R&D system with engineering-level standards. In strict compliance with Chinese laws and regulations, including the Seed Law of the People's Republic of China, the Rules on the Protection of New Varieties of Plants, and the Administrative Measures for the Safety Assessment of Agricultural Genetically Modified Organisms, DBNBC strategically targets specific pests and weeds in farmland. It continuously expands its pest resistance spectrum, resistance mechanisms, and weed control spectrum, thereby reducing pesticide contamination of agricultural products and the environment. These efforts enhance farmland output, lower planting costs, and address global food production challenges, providing sustainable scientific support for corn and soybean cultivation worldwide. DBNBC's first-generation FARMAX product line is fully ready for commercial launch, with domestic market planning essentially completed. International collaborative research is progressing smoothly, and efforts are underway to expand into overseas markets.

In compliance with the Regulations on Safety Administration of Agricultural Genetically Modified Organisms and the Administrative Measures for the Safety Assessment of Genetically Modified Organisms, DBNBC has improved safety facilities and measures with a dedicated GMO safety

team and formulated management systems from research planning to experimental research. The team comprehensively oversees safety management for GMO research and testing within the Company.

This safety team oversees and manages R&D activities according to regulatory requirements with responsibilities including designating safety levels for genes and operational procedures, conducting corresponding safety assessments, submitting applications and filings, managing technical testing and inspections, implementing safety management and monitoring protocols, and coordinating emergency response measures.

To promote science popularization, DBNBC has partnered with renowned domestics universities, research institutions, and crop business partners to establish ten FARMAX Farms nationwide as integrated agricultural platforms. As training bases, these farms provide professional training in pest and weed control technologies for growers and distributors, equipping them with cutting-edge agricultural techniques to enhance productivity. As biological breeding science education bases, they popularize knowledge among the public, promoting the dissemination and development of agricultural technologies. FARMAX farms empower partners by showcasing the advantages of FARMAX -derived corn and soybean varieties, offering effective solutions for pest and weed control, serving as agricultural demonstration and promotion platforms, driving sustainable agriculture, and supporting rural revitalization. During the reporting period, FARMAX Farms hosted 15 online and offline agricultural training events



Distribution of FARMAX farms

★ Locations of FARMAX farms





The Biological Breeding Science Popularization Ambassador Initiative Led Training Sessions on Safe **Glyphosate-Based Weed Control Technologies**

In May 2024, a unique live-streamed biological breeding science popularization event was held at the FARMAX Tongliao Lihe Farm in Tongliao, Inner Mongolia. Co-hosted by the FARMAX Biotechnology Industry Alliance and DBNBC, the event aimed to enhance agricultural practitioners' understanding of biological bred technologies, particularly the application techniques for glyphosate herbicides. It sought to promote the advancement of agricultural biotechnology and strengthen the foundation for agricultural production and national food security. With the continuous advancement of modern agricultural technology, biological breeding has become a critical means to enhance food production and agricultural efficiency. Glyphosate, a broad-spectrum, low-toxic, highly effective, and environmentally friendly herbicide, plays an indispensable role in agricultural production. Proper application of glyphosate to avoid adverse impacts on crops and the environment has long been a focus of attention for farmers and agricultural practitioners.

The live-streamed event was warmly welcomed by agricultural practitioners, who stated that they had gained practical knowledge about biological bred technologies and the safe application of glyphosate herbicides. Many noted that they had learned about the latest developments in modern agriculture and intended to apply what they learned to their farming operations. By integrating biotechnologies more effectively, they aimed to enhance production efficiency, improve crop yield and quality, and ultimately achieve higher yields and increased incomes.







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Animal Health and Vaccine Business

Under DBN Group's animal health and vaccine business, Jofunhwa Biotechnology (Nanjing) Co., Ltd. (hereafter referred to as "Jofunhwa") is a national innovative high-tech enterprise specializing in the independent R&D, manufacturing, promotion, and market service of veterinary biological products. Its operations span three areas-vaccines, animal health, and health management. It also manages first-rate science parks in Nanjing, Beijing, and Fuzhou, as well as production bases in Beijing and Shaoshan. Jofunhwa is committed to developing highly immunogenic animal vaccines and high-quality diagnostic and therapeutic products.

Throughout experimental processes, Jofunhwa strictly complies with Chinese laws and regulations, such as the Biosecurity Law of People's Republic of China and the Regulations on the Administration of Laboratory Animals. Jofunhwa has also established an ethics committee and formulated the Review Regulations for Experimental Animal Management Ethics. The company adheres to the "3Rs alternatives" (replacement, reduction, and refinement of animals used in experiments) and animal welfare to reduce animal mortality and suffering. Jofunhwa is dedicated to delivering sustainable, world-class principles and solutions for integrated animal disease prevention and control in China's animal farming industry.

Welfare of Experimental Animals>>>

	Cages must be regularly cleaned and disinfected; bedding materials should be sterilized, dedusted, and replaced periodically to maintain a clean and comfortable environment. Animal drinking and feeding devices shall be safe, reliable, and easy to access, ensuring cleanliness, hygiene, and proper functionality.
	Animal housing shall accommodate different husbandry requirements and behavioral-physiological needs. Each animal must have adequate space to freely express natural behaviors, including turning around, standing upright, stretching limbs, lying down, walking, grooming, and nest-building.
Housing environment	Cage space shall be expanded according to pregnancy or parturition needs to meet the environmental requirements for childbirth.
	The animal living environment is enriched by providing appropriate enrichment items for play and exer- cise, promoting psychological welfare.
	For large, active species (e.g., non-human primates, dogs, pigs) with natural exercise needs, dedicated exercise areas shall be provided, supplemented by scheduled exercise periods and species-appropri- ate enrichment objects to enhance environmental complexity.
Animal	Animals of unknown origin, including stray, stolen, or endangered wildlife, are strictly prohibited.
source	All animals are individually or collectively identified for easy inspection, with identification methods using reliable and minimally invasive techniques.
	Personnel must handle animals using appropriate methods with a gentle attitude and soft movements, avoiding causing distress, fear, pain, or injury.
Animal breeding	Animals are provided with adequate feed and clean drinking water according to their diets and nutri- tional needs.
	A period of acclimatization is required for new animals to stabilize behaviorally and physiologically before use.

Animal breeding	It is required to fully meet the special r experimental phases, and post-surgical
	Dietary restrictions are prohibited exce tions must be supported by scientific ra
	During the parturition of experimental p supervise the process to prevent accid such as artificial feeding and nursing ca
	The hygiene and disease prevention comply with relevant regulations and si ment should prevent cross-infection arr
	When group-housed animals need to b must be provided to reduce animal lone
Animal use	In line with scientific principles, researc avoid unnecessary duplicate animal ex
	When performing surgeries or dissernation number of animals necessary.
	Survival surgeries must be conducted postoperative recovery period, approp shall be provided based on the animal's
	When necessary, animals shall be eut disposed of properly. No other animals

Science and Technology Education

To enhance diversified public science education services and advance the popularization of scientific resources, Beijing has officially launched the "City of Science Museums" initiative. DBN Group was recognized by the Haidian District Association for Science and Technology as a member unit of the initiative. In 2024, it was designated as a "Science Education Experience Base of the City of Science Museums" by the Beijing Office for Implementing the National Scheme for Scientific Literacy.

Leveraging the superior research environment of the DBN Phoenix International Innovation Park, the Company integrates high-quality R&D resources to further popularize cutting-edge knowledge in fields such as biological breeding, biomanufacturing, and agricultural AI among the public. By offering richer content and resources for teenagers, DBN Group actively fosters a social atmosphere that values science and champions innovation, contributing to the construction of Beijing's "City of Science Museums" and making significant strides in enhancing national scientific literacy.

nutritional needs of animals during gestation, lactation, various al recovery.

ept when required by experimental protocols. Any such restricationale and a documented justification of necessity.

pigs, veterinarians or trained laboratory animal caregivers shall dents. For newborns unable to self-nurse, necessary measures are must be implemented.

conditions of breeding and experimental environments shall standards. Disease prevention facilities and husbandry managenong animals and cross-transmission to personnel.

be singly housed, sufficient justification and effective measures eliness and suffering.

chers should explore and apply alternatives to animal testing and periments.

ections on live animals—researchers must use the minimum

d under effective anesthesia with aseptic technique. During the priate analgesia, targeted nursing care, and dietary adjustments 's condition.

thanized using appropriate methods, and their remains shall be s should be present during the euthanasia procedure.



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Supply Chain Security

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Given the Company's business development needs, we have established a management service system integrating "product line + functional line + coordination line." By strengthening centralized position management and integrating internal use with trading, procurement with technology, spot with futures, and domestic with international operations, the supply chain platform has been deeply embedded in all segments of the industry chain. This enables precise alignment with the needs of upstream and downstream enterprises, continuous optimization of the supply chain network structure, and a transition from traditional supply chain models to digital, intelligent, and internationalized operations. The result is a significant enhancement in market response speed, reduction in operating costs, and increase in products/services value-added, thereby markedly improving market competitiveness, creating remarkable economic and social benefits, and laying a solid foundation for the platform's long-term development.



S Internal Supplier Management Manual

The Company attaches great importance to the construction of its supply chain management system and continuously invests resources to enhance it. Upholding an unwavering pursuit of quality and responsibility, the Company actively collaborates with suppliers to forge a high-quality and socially responsible supply chain ecosystem.

In its feed industry operations, the Company has formulated the Supply Chain Platform Management Manual in strict accordance with corporate standards such as the *Feed Quality and Safety Management Code and the Corporate Standard System for Basic Guarantee*, as well as authoritative industry regulations including the Ministry of Agriculture Announcement No. 1773 (*Feed Raw Materials Directory*) and the No. 2045 *Catalogue of Feed Additives (2013)*. Through in-depth research and integrated application of these multi-dimensional and authoritative standards, the manual ensures comprehensive, professional, and compliant content, providing a solid scientific basis and operational guidelines for the efficient and stable operation of the Company's supply chain management system.

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🐝 Full-lifecycle Supply Chain Management

The Company strictly complies with Chinese laws and regulations, such as the *Bidding and Tendering Law and Implementing Regulations for the Bidding and Tendering Law*, to ensure that all tendering and bidding activities are lawful, compliant, fair and transparent. In addition, the Company has established a complete full-lifecycle mechanisms for suppliers, covering qualification assessment, trial use, admission, classification and grading, evaluation and demotion or withdraw, etc. This mechanism comprehensively standardizes and effectively regulates all links in supply chain management, strengthens, supervision and management of suppliers, and improves the overall quality and collaboration level of the supplier team. These efforts lay a solid foundation for promoting long-term and stable partnerships between supply and demand sides based on integrity, fairness, and efficiency, and strongly promote the healthy and sustainable operation of the entire supply chain system.

Qualification assessment	Trial use	Approval
The Company con- ducts a comprehen- sive evaluation on potential suppliers, including licensing, reputation, produc- tion scale, product quality, financial status, development prospects, cost con- trol capabilities, market competitive- ness and after-sales service.	Qualified suppliers submit samples for testing. Upon approved, they proceed to the raw material trial use phase, where source stability and product quali- ty are strictly mon- itored.	Suppliers that pass the trial phase submit a formal application for onboarding. Follow- ing joint approval by representatives from procurement, quality control, tech- nology, and the supplier (four-party signing), they are added to DBN Group's procure- ment list.
N	lumber of suppliers	

Number of suppliers by grade (2024) Supplier category	A	В	С	D	Total
Corn	22	93	13	50	178
Soybean meal	82	118	42	92	334
By-products	60	160	53	26	299
Nutritional additives	83	10	-	3	96
Mixed grains	15	83	17	6	121
Animal-based products	15	42	44	-	101
Non-soybean meal	13	46	67	36	162
Functional additives	9	35	22	2	68
Packaging materials	40	-	-	3	43
Logistics	47	125	19	17	208

Corporate Governance

Classification and grading

The Company strictly classifies suppliers into four grades—Grade A (Excellent), Grade B (Qualified), Grade C (Probationary) and Grade D (Unqualified). Suppliers are also categorized by business type and managed with differentiated mechanisms tailored to each category.

The Company conducts semiannual and annual on-site evaluations of suppliers, with performance metrics grouped into four categories: quality performance, delivery performance, pricing competitiveness, and support and collaboration. These evaluations aim to continuously enhance suppliers sustainable development capabilities.

Evaluation

Demotion/ Withdraw

Based on periodic evaluation results, suppliers who fail to meet standards or violate regulations will undergo comprehensive review to determine if they should be downgraded (to Grade C or D) or removed from DBN Group's procurement list.

Environmental **Benefits**

Social **Benefits**

Supplier Communication Mechanism

In its collaboration with suppliers, the Company firmly believes that "communication is the primary skill", and proactive, candid communication serves as the foundation of a successful team. By combining online and offline communication models, DBN Group deepens mutual understanding and strengthens cooperation.

For online communication, the Company leverages convenient tools such as WeChat and phone calls to provide real-time responses to all needs and inquiries. For offline communication, it arranges regular supplier visits or reception of supplier delegations to deepen mutual understanding and trust, expanding the depth and breadth of collaboration. For common issues encountered during business operations, DBN Group utilizes semiannual and annual supplier conferences as key platforms for in-depth discussions, formulating widely applicable and feasible solutions to drive collaborative improvement in overall business performance. For critical strategic cooperation issues, the Company prioritizes face-to-face on-site visits for in-depth business consultations with suppliers. This approach enables both parties accurately grasp each other's strategic intentions and core demands, efficiently coordinate resource allocation and cooperation planning, and significantly enhance the efficiency and quality of strategic cooperation.



Suppliers visit DBN Phoenix International Innovation Park for exchanges

Supply Chain Integrity and Anti-Corruption Construction

The Company upholds the basic code of conduct -- "treating others with sincerity and never leveraging one's position for personal gain" -and the guiding principle that "integrity is the primary asset". DBN Group is committed to building an integrity-driven and clean business order, striving for sustainable corporate development, long-term win-win partnerships, and the healthy prosperity of the agricultural industry.

Platform-based review and management	Procurement operations are fully conducted on digital-intelligent platforms, with all processes clearly presented and managed through end-to-end visual tracking. This approach significantly enhances procurement transparency, accuracy, and efficiency, while effectively reducing potential risks and operational costs.
Record and archive management	All business procedures (procurement, trade, domestic and foreign sales, etc.) must be formally registered and archived, enabling traceability across the entire process from raw material procurement, manufacturing, warehousing logistics to sales.
Building a culture of integrity	The Company deeply implants integrity values into its corporate culture, integrating relevant requirements into employee training and supplier advocacy. The audit supervision platform strengthens supervisory audits of dishonest behaviors, diversifies warning education methods, and deeply promotes corporate integrity culture building to foster a positive atmosphere of "righteousness".
Signing integrity cooperation agreements	To fully embody the spirit of fair and clean cooperation, the Company requires all suppliers to sign the integrity cooperation agreements that prohibit acts such as concealing related-party relationships and dishonesty, and formulates corresponding handling plans for such violations.

Supply Chain Risk Prevention

To effectively safeguard the quality and safety of raw material supplies while mitigating potential risks across the supply chain, the Company has established a robust and efficient risk management system. This system enables precise risk identification, quantitative assessment, and the development of tailored response measures, ensuring its stable operation and continuous optimization.


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Product and Service Safety and Quality

S Quality Management System

DBN Group strictly complies with all Chinese laws and regulations, including the Food Safety Law of People's Republic of China, Law on Quality and Safety of Agricultural Products of People's Republic of China, Animal Epidemic Prevention Law of People's Republic of China, Seed Law of People's Republic of China, Rules for Swine Production Place Quarantine, Regulations on Veterinary Drug Administration, Administrative Measures for New Feeds and New Feed Additives, and National Food Safety Standard - Maximum Residue Limit of Pesticides in Foods. The Company has developed a robust quality and safety management system tailored to the characteristics of each business.

Crop business	The Company's crop business focuses on the R&D, production, and promotion of crop seeds, driven by the mission "to make seeds stronger and humans healthier." We have marketed a wide range of high-quality crop seed products and established a comprehensive product traceability system that enables each seed package to be traced back to its production base. Committed to high quality policy, we continuously develop superior crop varieties, providing farmer with premium seeds and conducting scientific promotion.
Feed business	The Company has improved the quality and safety management system, including the <i>Quality Safety Management Standards</i> and the <i>DBN Product Traceability</i> <i>System</i> . For three consecutive years, the Company has maintained a 100% pass rate in random feed product inspections.
Pig farming business	The Company has developed a series of standardized internal biosecurity man- agement documents for large-scale pig farms, including the <i>Tailored Biosecurity</i> <i>Management Handbook for Pig Farms, DBN ASF-Free Zone Construction Guide</i> <i>Manual</i> , and <i>Biosecurity Measures Optimization Plan for Breeding Farms</i> . As of the end of the reporting period, DBN Group had established 17 ASF-free zones.
Animal health and vaccine business	The Company's major production lines in the animal health and vaccine business have effectively implemented the revised GMP for veterinary drugs. Organizational struc- tures are well-defined, with clear functional responsibilities. Production facilities are log- ically laid out to meet high-standard production needs, and workshop environment and hygiene comply with regulatory standards. Laboratory environment, equipment, testing instruments and production machinery all meet specified requirements. Production and materials management, along with quality control and assurance systems, are fully compliant and have successfully passed the inspection for the updated GMP for veterinary drugs.

Note: A full list of major products of each business is provided in the appendix.

🖌 Quality Management System Certification

Social

Benefits

The Company prioritizes the quality and reliability of products and services, which have earned widespread customer recognition. The Company and major subsidiaries across business segments have met international standards, as evidenced by their ISO 9001 Quality Management System Certifications.

Beijing Fengdo Hi-tech Seed Co., Ltd. passed the ISO 9001 Quality Management System Certification

Beijing Fengdo High-Tech Seed Industry Co., Ltd. (hereinafter referred to as Fengdo High-Tech), a subsidiary under DBN's crop business, has officially obtained the ISO 9001 Quality Management System Certification.



Jofunhwa (Fuzhou) Successfully Passes the Audits of ISO Certification on Quality, Environment, and Occupational Health and Safety Management Systems (ISO 9001, 14001, 45001)

In March 2024, audit experts appointed by Beijing WSF Certification Center Co., Ltd. conducted a surveillance audit for the ISO 9001 Quality Management System and ISO 14001 Environmental Management System, as well as a recertification audit for the ISO 45001 Occupational Health and Safety Management System at Jofunhwa (Fuzhou) Technology Park, a subsidiary of DBN Group. Through on-site inspections, interviews, and document reviews, the audit team thoroughly evaluated the implementation of quality, environmental, and occupational health and safety management systems. The audits confirmed that the quality and environmental management systems fully conformed to the standards and successfully passed the surveillance audit, while the occupational health and safety management system demonstrated effective operation and smoothly obtained recertification.

DBNBC Regulatory Science Lab Earns CNAS Eccreditation

DBNBC Regulatory Science Lab demonstrates outstanding management and technical capabilities, enabling it to conduct testing and evaluation of biological bred products in line with both domestic and international standards. Its testing reports are mutually recognized in over 100 countries and regions worldwide, underscoring the lab's global credibility and authority. In June 2024, the laboratory passed the review by the China National Accreditation Service for Conformity Assessment (CNAS) and was awarded a laboratory accreditation certificate (Certificate No. CNAS L21059).

Environmental **Benefits**

Social

Benefits

Customer Service

DBN Group places strong emphasis on customer service, guided by the belief that "benefiting others enriches oneself". With a deep commitment to agriculture, the Company has long supported farmers by establishing technical teams to deliver planting and breeding technologies. We also introduce a modern agricultural system to facilitate the organic integration of smallholder farms with modern agricultural development. These efforts not only help farmers increase income and significantly enhance customer satisfaction but also promote deep cooperation with clients. leveraging complementary strengths for long-term win-win outcomes.



Crop Business>>>

In the crop business, the Company continues to refine its customer service system to safeguard customer interests and improve satisfaction. A multi-channel feedback mechanism has been established to address customer feedback. The Company adopted two innovative promotion models: the "1240 Promotion Model" (1 large-scale technical training session, 2 field visits to demonstration farms, 4 text message services, and 10+ yield projections) and the "Five-All Promotion Model" (pre-order, omnichannel coverage, standardized operations, lifecycle process optimization and complete separation). It has also built a three-in-one pilot system of core demonstration zones, targeted trials, and designated farmer demonstrations, aiming to become the industry's most extensive and fully integrated promotion service platform. In 2024, the crop business directly served 750,000 farmers, sold 53.526 million kg of corn, rice and soybean seeds, covering over 40 million mu (approximately 26,667 km²) of farmland (cash crops excluded)



Farmland covered (cash crops excluded) More than 🕂 (approximately 26,667 km²)

million mu



New Variety Field Day by Sichuan Jinse Lvdan Seed Industry Co., Ltd.

In August 2024, Sichuan Jinse Lvdan, a subsidiary of the Company's crop business, grandly held a new product Field Day by the Qingyi River. Two new hybrid rice varieties, namely "Lodging-resistant Wizard and High-yield Pioneer 'Zhuyou Zhunong Simiao'" and "First-class High-quality and Lodging-resistant High-yield 'Sheng Liangyou Simiao No. 5'", were launched. The showcase attracted over 300 representatives from all over the country, including dealera at all levels, large-scale grain growers, and representatives of professional cooperatives, who gathered together to witness this important moment.



Feed Business>>>

DBN Group's feed business collaborates with small and medium-sized livestock breeders across multiple regions in China to promote the development of localized micro-ecosystem models. Leveraging its industrial chain layout advantages, the Company reduces production costs for scattered breeders through joint procurement. Meanwhile, it transfers corporate culture, management expertise, technical experience, epidemic prevention measures, environmental protection practices and procurement capabilities to upstream and downstream partners, thereby constructing a service system that enhances the production and operational capabilities of family farms and drives continuous

progress in pig farming ecosystem construction. Under the new industrial model featuring integrated crop-livestock farming, family farm-based operations, intelligent production and shared benefits, the Company is committed to setting a new industry benchmark, creating greater value for society and contributing wisdom to the professional, efficient, and sustainable development of the pig farming business.



Dedicated Service Empowers Efficiency: Hunan DBN Collaborates with Partner Farms for Remarkable Achievements

Jingxin Livestock, located in Anhua County of Yiyang City, currently manages 600 sows. Since establishing a partnership in 2021, Hunan DBN has provided not only premium feed but also dispatched senior technical experts for on-site services. Over the past three years, the Company has delivered comprehensive services covering pig farm biosecurity, production tracking, immunization and healthcare and personnel training, contributing to the pig farm's stable production and steadily improved production performance. This has earned high praise from the client. Moving forward, DBN will deepen collaboration with Jingxin Livestock, optimizing and upgrading services in technical support and production management to enhance farm productivity, co-build a regional micro-ecosystem, and pioneer a new chapter in pig farming.



Pig Farming Business>>>

DBN Group implements both a "self-breeding and self-raising" model and a "company + ecological farm" partnership model. Under the latter, farmers are exempt from upfront financial burdens such as piglet procurement and feed investment, as the Company uniformly provides high-quality breeding stock and full cycle farming supplies, significantly lowering operational risks. The "supply-first, settle-later" mechanism, enables farmers to launch farming operations with minimal capital investment. Leveraging the Company's accumulated management experience, farmers receive standardized operational guidance covering pigsty design, epidemic prevention and control, precision feeding, and smart farming. Regular technical training and on-site support help farmers master modern farming techniques. In 2024, the Company (including companies where we have a controlling stake or own shares) supplied 6.405 million pigs to the market, collaborating with over 2,000 small and medium-sized livestock breeders and family farms.





Collaborated with small and medium-sized livestock breeders and family farms



Environmental Benefits (

Social

Benefits



Supporting the Upgrade of Family Pig Farms

Family farms demonstrate significant potential in pig farming, yet many fail to fully leverage their advantages due to infrastructure constraints. The Company has provided partner family farms with comprehensive upgrading and renovation services, covering production model optimization, biosecurity enhancement and environmental facility improvements.

To upgrade production models, the Company has guided family farms in implementing high-standard site selection, sow-finisher separation, moderate scaling, batch production systems and small-unit pigsty designs, achieving an upgrade to modern production models. For biosecurity infrastructure upgrades, the Company has strengthened biosecurity measures at partner family farms. Key initiatives include the installation of positive-pressure ventilation systems with in-barn air filtration ducts, sealed vehicle wash and drying stations, dedicated material drying rooms, and perimeter walls to separate production areas from staff living quarters and feed delivery zones. Personnel access control has been further reinforced, and fully enclosed pig passageways have been constructed between key facilities such as the breeding-gestation barns and the farrowing houses to minimize cross-contamination risks.



The Company also supports improvements to pig housing interiors, such as upgrading slatted floors and feeding systems, installing suitable ventilation, temperature control, and lighting systems, and improving insulation. These enhancements ensure a healthier, more comfortable environment for pigs.



For environmental protection facility upgrades, the Company supports family farms in upgrading manure treatment and resource utilization systems, providing renovation solutions for wastewater treatment systems, biogas slurry utilization and odor treatment systems. These measures not only reduce environmental pollution but also enable resource utilization of waste, aligning with green ecological development principles.



Through these comprehensive upgrades, the Company has improved operational efficiency for family farms and promoted high-quality, sustainable development of the entire pig farming industry.

Employee Care

Talent is the cornerstone of DBN Group's development. The Company has always advocated a philosophy of "benevolence as the primary virtue," safeguarding employee rights, optimizing human resource allocation and talent development mechanisms, and promoting shared growth between employees and the Company. With a focus on occupational health management, we create a workplace that supports physical and mental well-being, dedicated to enhancing employee happiness and fulfillment.

S Recruitment, Compensation and Benefits

Workforce Diversity>>>

The Company follows a recruitment philosophy: selection outweighs training, training outweighs rewards and penalties, competence outweighs academic credentials, performance outweighs seniority, virtue outweighs ability, and action outweighs empty talk. We are committed to creating an inclusive, diverse, and equitable workplace that respects the unique characteristics of every employee, regardless of nationality, age, race, gender, religious belief or cultural background. Human rights are taken seriously. The Company uses rigorous methods to identify, assess and review potential risks, ensuring that labor practices meet ethical and social standards. The Company maintains legal and harmonious labor relations. 100% of employees have signed employment contracts, and 100% of employees are covered by social insurance. By the end of 2024, the total number of our employees was 16,136.



Environmental Benefits Social Benefits

Inspiring Employee Vitality>>>

To inspire employees' entrepreneurial vitality, DBN Group adheres to the principles of fairness, justice and performance-based distribution. The Company implements a scientific compensation management strategy aligned with both corporate and individual performance assessments, motivating employees to continuously improve and progress alongside the Company. To standardize compensation and bonuses, performance evaluations, and attendance management, we have formulated the DBN Group Performance Management Measures, which has been reviewed and approved by the Employees Congresses, with comprehensive evaluation and incentive mechanism to ensure the effectiveness and scientific design of incentives, fully stimulating employee enthusiasm and creativity while enhancing team cohesion.

The Company offers a comprehensive employee benefits program covering multiple aspects, ensuring employees enjoy diverse welfare benefits. This includes safeguarding rights to sick leave and paid vacation. In accordance with national and local policies, the Company contributes to the "five types of insurance and the mandatory housing fund" for employees. Additional benefits include annual entrepreneurship sharing bonuses, annual health check-ups, holiday gifts, family care allowances, accommodation and workplace meals. The Company is committed to enhancing employee welfare to support its stable and healthy development.

Caring for Female Employees>>>

The Company is dedicated to creating broad career development platforms for female employees, recognizing wisdom and strengths of women in the new era. We have established a Women's Federation and organized vibrant events such as International Women's Day celebrations to honor their outstanding performance in both professional and family roles. DBN Group strictly safeguards and promotes women's legal rights, fostering a harmonious, respectful and equal-opportunity workplace.

As of the end of the reporting period, DBN Group had employed over **4,060** female employees, accounting for **25.2%** of the total workforce. In full compliance with national laws, the Company pro-

vides maternity leave, paternity leave and childcare leave. During the reporting period, **173** female employees took maternity leave, and **156** employees accessed paternity leave benefits.



DBN Group's Women's Day event



Unblocking Communication Channels>>>

DBN Group has established a robust communication mechanism governed by the *Employee Communication Mechanism Management Policy*, ensuring employees can freely exchange their ideas and suggestions. Direct supervisors, department heads, and the headquarters entrepreneurship talent center are responsible for employee satisfaction, labor rights protection, psychological counseling, and grievance resolution. If challenges arise in the workplace, supervisors are expected to proactively communicate and offer support. Employees can also reach out directly to the entrepreneurship talent platform. Other communication channels include team meetings, corporate email, WeChat, the Zhinongtong platform, and the corporate intranet.



Occupational Mental Health Courses

To further promote employees' mental well-being in the workplace, the Company regularly invites mental health professionals to deliver seminars helping employees manage and regulate work stress and enhancing their sense of well-being and productivity. These sessions leverage psychological principles to help participants improve their work efficiency and overall quality of life.



"Workplace Mental Health and Stress Management" Workshop

Employee Satisfaction Surveys

Employee satisfaction surveys are a vital component of the Company's employee communication. These surveys are designed to gather feedback on what employees feel and expect. Based on the results, the Company refines management mechanisms to improve employee well-being and foster a simple, happy, and passionate entrepreneurial atmosphere. In 2024, overall employee satisfaction reached **95.4%**.

ESG Management

Environmental **Benefits**

Benefits

Social

Employee Benefits

The Company builds a corporate culture that cares for employees and advocates their love for jobs, the Company, and commitment to agriculture. We advocate for a simple, natural, authentic, and healthy lifestyle, while continuously enhancing the work, living and learning environments. This enables employees to feel secure and focused on work, and comfortable and content in daily life, helping to forge harmonious employment relations in the new era of development.

Living Benefits>>>

The Company actively organizes diversified employee care activities, such as Spring Festival Galas, Mid-Autumn Festival parties, outdoor excursions, sports competitions, choirs and hobby clubs. By improving welfare safeguards and enriching cultural activities, the Company fosters better communication and interaction among colleagues, further enhancing employee well-being and sense of belonging to the Company.



Igniting New Vitality in Party-mass Co-construction Through Diversified Activities

DBN Group nurtures a cultural atmosphere of joyful work and earnest living. During the reporting period, the Company actively organized featured activities, art training sessions and established multiple clubs, such as calligraphy, hiking and table tennis clubs. By continuously carrying out diverse and rich party-mass activities, the Company has effectively broadened internal communication channels, enriched amateur cultural and sports life, enhanced employees' sense of belonging and team cohesion, and ignited new vitality in party-mass co-construction.





Yoga

Calligraphy

Table tennis



Rope jumping

Photography

Hiking

Lantern Festival event Children's Day event

Special Benefits>>>

DBN provides special benefits and care for employees, including the DBN Scholarship for College Entrance Examination and Unified National Graduate Entrance Examination for employees' children, DBN Love Fund, family summer camps, and DBN Anniversary Benefits. These programs aim to address employees' practical challenges through multiple perspectives and channels, enrich their off-work lives, and significantly enhance the employee happiness index.





The DBN Love Fund is founded on the principle of "mutual assistance and humanistic care", promoting a two-way participation mindset where every employee acts as both a donor and beneficiary. Through this company-wide mutual aid mechanism, the Fund provides critical assistance to employees facing severe hardships. As of the end of the reporting period, the Fund had achieved significant milestones by providing critical illness, tuition support for children of deceased employees, financial aid for families in need, health assistance and holiday condolences, with a total aid disbursement of 15.692 million CNY benefiting 3,217 employees. In 2024 alone, the Fund provided 1.404 million CNY to support 303 employee families.

DBN Scholarship for College Entrance Examination and Unified National Graduate Entrance Examination

The DBN Scholarship recognizes academic achievement among employees' children, honoring those who excel in China's College Entrance Examination and Unified National Graduate Entrance Examination. This initiative reflects the Company's commitment to employee well-being and our support for the next generation's growth. As of the end of the reporting period, the Scholarship had been running for 11 consecutive sessions, with over **5.3** million CNY awarded to **1,871** outstanding students.



"I want to extend my heartfelt thanks to the Company's leadership and uncles and aunts at DBN. Your support has given my mom the motivation and confidence to keep going at work. Every act of care and every word of encouragement from DBN has filled our family with warmth and strength. I know this scholarship is not only a recognition of my academic achievements but a vote of confidence in my future. I'll cherish this opportunity, work hard in college, and strive to enhance my overall capacities to live up to everyone's expectations.'

DBN Love Fund

——Message from Liao, a child of the Company's employee

Environmental Benefits (

Social

Benefits

K Talent Development and Training

Committed to talent development, the Company has been continuously improving its talent development system, offering diverse learning pathways, training programs, and career advancement opportunities to support every employe's rapid growth and help them maximize personal value. By implementing a "horizontal-vertical integration" talent development strategy, DBN Group delivers targeted development plans customized for employees at different levels and positions.

	Senior management	Cultural leadership		
Horizontal training	Middle management Cultural leadership, business management, operational capability, and job skills			
uanniy	Frontline employees	Regular training via team meetings		
	New hires	7–15 days onboarding program		
Vertical Training	Specialized development tracks for finance, HR, production, technology and services			

The Company actively advocates and supports employees in pursuing further education and advanced studies. Technical personnel are encouraged to pursue advanced academic degree (e.g., master's or doctoral program) to enhance professional excellence. Management personnel are supported in upgrading business management capabilities through MBA or EMBA programs of study, aiming to enrich strategic and operational skills. Additionally, DBN Group encourages managerial and technical talents to enhance English language proficiency, while frontline employees are urged to strengthen professional job-related skills. Employees are also supported in obtaining nationally recognized professional certifications and technical titles issued by relevant authorities.



DBN English club activities



English club networking and learning activities

Designed to meet business expansion needs, support career development, and cater to personal interests, DBN Group has established an English club. Employees actively participate in activities, where mutual learning and support help them enhance business English communication skills. This not only builds momentum for career growth and international opportunities but also makes tangible contributions to personal capability enhancement, the Company's talent development and global business expansion.

During the reporting period, the Company successfully organized a series of online and offline training activities, including new employee training, functional system workshops, and leadership development camps. The training covered key areas such as corporate culture, technology, R&D, work safety, risk management, and IPRs, comprehensively assisting employees in enhancing their professional competence and comprehensive skills. The training achievements in 2024 were remarkable. The number of participants reached 182,000, with total training hours amounting to 125,000. Annual training expenditure was approximately 17.45 million CNY, supporting and facilitating the all-round development of employees.







In 2024, DBN Group successfully hosted the Young Leadership Forge Camp for Feed Business in Changsha, bringing together 45 elite "young leaders" from the feed business. The camp combined theoretical learning with hands-on practice, aiming to cultivate cross-disciplinary talent with strategic vision and strong leadership and position them as future leaders in the industry. Participants engaged in intensive discussions on the contemporary relevance of corporate culture, analyzing domestic and international agricultural trends to develop a global-agricultural perspective. They explored how to align personal career trajectories with China's agricultural modernization drive, translating cultural values into actionable innovations. A highlight of the program was an immersive visit to revolutionary education bases, where participants gained profound insights into historical responsibility at iconic revolutionary sites. Through scenario-based learning modules, they absorbed the spirit of perseverance and innovation, which inspired them to embrace the mission of "strengthening agriculture and serving the country." This unique experience injected new vitality into DBN's high-quality development by fostering a sense of purpose-driven leadership.



Annual training investment Approximately **17.45** million CNY

Young Leadership Forge Camp for Feed Business

Environmental Benefits Social Benefits

S Occupational Health and Safety

Committed to a "safety-first" principle, DBN Group prioritizes personal safety, product safety, asset safety and operational security. Safety is regarded as the premise and foundation of all business activities-without safety, nothing else matters. The Company prioritizes safety and prevention and strengthens the work safety management system in strict accordance with national laws and regulations on occupational health and work safety. A range of effective occupational health and work safety measures are implemented to raise overall management standards and effectiveness, safeguard employee health and safety, and promote the well-being of regions where operations are located.

Occupational disease cases	Work-related fatalities	Investment in safety improvements	Investment in labor protection	Investment in safety training	Full-time safety personnel
0	0	1.88 million CNY	1.33 million CNY	360,000 CNY	99



Work Safety Month Activities in 2024

In June 2024, the Company launched the Work Safety Month campaign under the theme "Everyone Embraces Safety, Everyone Masters Emergency Response – Keep Life-saving Passages Unobstructed."

Key focus areas included:

- Raising safety awareness and expanding safety knowledge across all employees
- Identifying safety risks, eliminating hazards and ensuring unobstructed safety passageways
- Conducting emergency drills to improve emergency response capabilities
- · Reinforcing personal safety, product safety, asset safety and operational security

162 DBN Group business units participated in the Work Safety Month activities, with a total of **68,529** person-times engaging in events including kick-off ceremonies, safety briefings, training sessions, emergency drills and hazard inspections. During the campaign, **1,014** safety hazards were identified and immediately rectified, effectively enhancing safety management standards. These safety-themed activities significantly boosted employee safety awareness and strengthened emergency response capabilities, while further optimizing the work safety management system. Such initiatives have laid a solid foundation for sustainable development. The successful holding of the Work Safety Month activities demonstrates the Company's continuous progress and innovation in work safety, highlighting its deep commitment to protecting employees' lives and corporate assets.



Charity

In its pursuit excellence, DBN Group remains steadfastly committed to the core philosophy of "strengthening agriculture and serving the country, striving to be No.1 and pursuing common development" and the success philosophy of "creating value and benefitting society". actively engaging in social welfare, the Company has made proactive explorations in industrial support, scientific research, educational philanthropy and disaster relief, leveraging its corporate strengths to launch diversified charitable programs and pioneer unique philanthropy models with DBN characteristics. Through practical action, DBN Group demonstrates leadership in public welfare, fulfills social responsibilities and collaborates with all sectors of society to pursue common progress, contributing significantly to the advancement and prosperity of China's agriculture.

S DBN Philanthropy Foundation

The Beijing DBN Philanthropy Foundation was co-founded by DBN Group and its Chairman, Dr. Shao Genhuo and officially registered with the approval of Beijing Municipal Civil Affairs Bureau on September 23, 2024. Guided by its mission to advance charitable causes, the Foundation is dedicated to providing educational assistance to students facing financial hardships, helping low-income families improve their living conditions, sponsoring public welfare programs for cultivating agricultural research talent in the context of rural revitalization and offering emergency relief for damages caused by natural disasters, accidental catastrophes and public health emergencies.



Donating Foliar Fertilizer for Over 33.3 km² of Wheat Fields in Zhuozhou City

The Company is committed to helping people affected by natural disasters. Following the severe floods in autumn 2023, DBN Group promptly responded to aid Zhuozhou City by donating agricultural supplies to restore local farming. During the wheat planting season, the Company provided **2,307** tons of base fertilizer to revitalize farmland, with a spring 2024 follow-up confirmed robust wheat growth-characterized by dense tillering, optimal seedling density and all indicators meeting high-yield standards. In March 2024, DBN donated foliar fertilizer to Dongchengfang Town and Diaowo Town, covering over 33.3 km² of wheat fields. This action supported spring wheat cultivation, safeguarding a bountiful harvest.



Benefits

Corporate Governance

DBN Group is committed to building a sound corporate governance framework with clearly defined responsibilities and decision-making processes across all levels to protect shareholders' equity. The Company enforces comprehensive risk management and strengthens business ethics management to support stable and efficient operations and realize sustainable development in the long run.

- 10 General Meetings of Shareholders held
- 29 proposals reviewed and approved by the General Meetings of Shareholders
- S 29 proposals with separate vote counting
 for minority shareholders
- 9 members of the Board of Directors
- **5** independent directors
- S 2 female directors
- 16 meetings of the Board of Directors held
- 63 proposals reviewed and approved by the Board of Directors
- 3 members of the Board of Supervisors

- 2 employee supervisors
- 9 Board of Supervisors meetings held
- Source 21 proposals reviewed and approved by the Board of Supervisors
- 9 investor exchange meetings held
- S 300+ investor participants
- 50+ investor calls answered
- 133 questions answered for 63 investors via SZSE Easy IR Platform (https://irm.cninfo.com.cn/)
- 12 training sessions held on risk management and control

This chapter responds to the following SDGs:







Standardization of Corporate Governance

DBN Group strictly complies with Chinese laws and regulations such as the Company Law of the People's Republic of China, Securities Law of the People's Republic of China, Code of Corporate Governance for public Companies, Rules Governing the Public Offering of Stocks on Shenzhen Stock Exchange, and other relevant regulations and guidelines governing listed companies. The Company enhances governance frameworks and standardizes operations. The Board of Directors, Board of Supervisors, and senior management fulfill their duties with diligence, ensuring the compliance and effectiveness of corporate governance.

S Corporate Governance Structure

The Company has established a clear and sound governance structure comprising the General Meeting of Shareholders, the Board of Directors, the Board of Supervisors, and the senior management. The General Meeting of Shareholders is conducted strictly in accordance with the Company Law and the Articles of Association, ensuring the legality, rationality, and effectiveness of decision-making. The Board has four special committees—Nomination Committee, Remuneration and Evaluation Committee, Audit Committee, and Strategy and ESG Committee—each with defined responsibilities and balanced authority for effective operations. These committees provide expert input to support informed decision-making by the Board, help maintain orderly operations across subsidiaries, and further enhance the Company's core competitiveness and sustainability.



Sourd Diversity

The diverse backgrounds and experiences of DBN Group's board members contribute different perspectives to the Company's strategic planning and development. The Board currently consists of nine directors, including three independent directors, accounting for one-third of its members. Board members bring know-how from multiple fields, including industry, research, economics, management, law, and finance, with abundant managerial experience in their respective fields. Their complementary strengths in knowledge, technical expertise, industry insight, and cultural backgrounds enable the Board to make science-based decisions in response to complex market dynamics and business needs, enhancing the governance efficiency and effectiveness of the Board.











Members of Special Committees of the Board



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About DBN

ESG Management Environmental **Benefits**

Benefits

Social

Name/background	Agriculture	Finance	Financial management	Risk management	Investment	Governance
Shao Genhuo	\checkmark			\checkmark	\checkmark	\checkmark
Zhang Lizhong	\checkmark			\checkmark	\checkmark	\checkmark
Song Weiping	\checkmark			\checkmark		\checkmark
Tan Songlin	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark
Lin Sunxiong	\checkmark		√	\checkmark	\checkmark	\checkmark
Shao Lijun	\checkmark			\checkmark	\checkmark	\checkmark
Zang Rihong	\checkmark	\checkmark		\checkmark		\checkmark
Yue Yanfang			√	√		√
Feng Yujun				√		√

The Company organizes annual training sessions on law-based duty performance and corporate compliance for directors, supervisors, and senior executives to enhance their compliance awareness and capabilities.

Sourd of Supervisors

The Board of Supervisors of DBN Group, composed of three members, functions as the Company's oversight body. In 2024, all convening procedures and notification timing complied with the Company's Articles of Association and relevant regulations. Supervisors diligently perform their duties, ensuring compliance and legitimacy in financial matters and the performance of the Board and senior management. They attend the General Meeting of Shareholders and Board meetings, providing effective oversight and reviews on significant matters, financial conditions, and internal controls to safeguard the legitimate rights of the Company and shareholders

S Duty Performance of the Three Governance Bodies



Risk Management and Audit Supervision

Risk management is fundamental to DBN Group's operational stability. The Company adheres to basic internal control standards, refines internal control frameworks while strengthening risk awareness of all employees. A robust information security system is put in place to support the sustainable growth of the Company's business.

S Risk Control

DBN Group has improved the risk management and internal monitoring system, guided by basic documents such as the Internal Control Management System and the Risk Management Evaluation Manual, along with supporting management procedures.

The Company has established a "three lines of defense" risk management structure. The first line comprises each business department, which integrates risk management into daily operations and manages actual operational risks. The second line includes functional departments at the business level, which organize and implement risk control initiatives while building a structured internal control system. The third line, composed of corporate-wide functional units and the audit platform, independently reviews the adequacy and effectiveness of risk management and internal control measures and monitors the implementation of corrective actions.



Organizational risk management training sessions 12

S Audit Supervision

In compliance with the Company Law of the People's Republic of China and other regulations, DBN Group conducted internal audits via the audit supervision platform during the reporting period. These audits covered all businesses and departments such as sales, procurement, production, and R&D.



Business coverage rate 100%





Audit coverage of all operating entities and subsidiaries every three years



Appendix

Corporate Governance

During the reporting period, our risk management instructions and training included Participants

Audit performance during the reporting period

Total audited assets 3.3 billion CNY



Issue resolution rate





Internal audit reports issued



800+

Resolution rate for key issues



Announcements issued

during the reporting period

201

ESG Management Environmental **Benefits**

Social

Benefits

Investor Relations and Shareholders' Equity

To protect the legal rights of investors, the Company fulfills disclosure obligations as a listed company and enhances communication and interaction with investors to improve transparency. We also maintain strong investor relations to better our image in the capital markets.

S Compliance Management of Information Disclosure

The Company adheres to high standards of compliance in information disclosure by continuously enhancing disclosure quality, ensuring equal access to corporate information for all investors, and safeguarding their right to be informed. It has established and continuously improved a series of regulations, including the Information Disclosure Management System, the Insider Information Registration Management System, and the Internal Management System of Information Disclosure Suspension and Exemption. The Company follows the principles of authenticity, accuracy, completeness, clarity, and simplicity, ensuring that all information disclosed is free from false or misleading statements and significant omissions. This allows investors to gain a comprehensive, multi-layered understanding of the Company's operations and future direction.

S Investor Relations Management

The Company values the interests of all shareholders, with a particular focus on protecting the rights of minority investors. In 2024, DBN Group launched the investor relations management system to enhance communication with investors, foster their understanding and recognition of the Company, protect their legal rights, and establish long-term, stable, and positive relationships with investors.

Improving the Established Investor Relations Management System>>>

To convey business information more accurately to the capital markets and strengthen investor relations management, the Company has developed specialized management protocols that specify internal management processes. The Company ensures regular reporting and communication after the release of material disclosures. Before the disclosure of regular reports and material matters, we develop corresponding work plans outlining key achievements in the Company's operations during the reporting period. After disclosure, the Company carefully responds to stakeholder concerns and issues that are of interest to investors.



Enhancing the Regular Investor Communication Mechanism>>>

The Company prioritizes investor relations management and has established multiple channels to facilitate regular communication between investors and the Company:



ness status, and outlook with investors.

The Company organizes directors, supervisors, senior management, and key personnel to participate in various training programs hosted by the China Association for Public Companies, stock exchanges, and securities regulatory bureaus. These programs improve their understanding of securities market laws and regulations, information disclosure, and investor relations management. In addition, the Securities Department collaborates with external experts to regularly conduct internal training, further enhancing participants' compliance awareness and professional skills.







Corporate Governance

Through communication calls, the SZSE Easy IR Platform, and public email addresses, the Company maintains regular interaction with investors, responding promptly to inquiries and safeguarding

The Company broadens communication methods and formats by using visual interpretations of sustainability reports, the Company's WeChat account and video account, and other media to com-

The Company also values opportunities to engage with minority shareholders by holding annual performance briefings, where the management discusses in depth annual business results, busi-

ESG Management Environmental **Benefits**

Social **Benefits**

Business Ethics

Guided by Chinese laws and regulations such as the Company Law and the Anti-Unfair Competition Law, DBN Group has developed internal business ethics codes, such as the DBN Cultural Discipline Regulations. The Company continues to enhance the business ethics management framework, ensure unhindered supervision and feedback channels, and strengthen a clean corporate culture rooted in integrity and honesty.

S The Leading Role of Corporate Culture

The Company upholds a cultural philosophy of "integrity, uprightness, positive mindset, inspiring words, and right action." Guided by our business principle of legal and honest operations and the DBN Cultural Handbook, we have built a business ethics framework centering around the Company's culture. Employees receive structured training on business ethics and practice these positive values in their daily work. This showcases the Company's commitment to honesty and integrity and provides a cultural paradigm for promoting business ethics in modern agricultural enterprises.



Cultural Immersion

To improve ethics across the Company, we organize regular cultural study sessions to encourage the pursuit of greater ethical standards. These corporate culture study sessions are integrated into daily work across all business units, influencing DBN employees in every aspect of their work. Guided by the corporate culture, all employees work together toward a promising future.



S Honesty and Integrity

DBN Group emphasizes a culture of integrity and compliance capabilities, so we have formulated the DBN Honesty and Integrity Systems. In 2024, the Company held several training sessions on business ethics and anti-corruption awareness, equipping employees with the ability to fulfill their duties in a compliant manner.

During the reporting period, the Company's audit supervision platform investigated and handled three corruption cases. Those found responsible were disciplined according to internal policies, after which they were referred to public authorities for further legal action. These measures demonstrate the Company's firm stance on safeguarding a clean and honest business environment.

Supervision Channels and Protection Mechanism

To reinforce all-around oversight of business ethics and compliance, the Company has established open and unimpeded feedback channels for employees, suppliers, customers, and other stakeholders. Reports may concern violations of corporate property, reputation, and other legal or public interests, and actions against national laws and corporate policies.

The Company limits access to the number of whistleblowers, anonymizes the whistleblower, and keeps reported information strictly confidential. Any form of retaliation against the whistleblower is strictly prohibited. Individuals who threaten or retaliate against whistleblowers will face serious consequences, including disciplinary action, termination of labor contracts, and other accountability measures, depending on the severity of the case.



Contact Information for Whistleblowing:

Email: audit@dbn.com.cn

Mailing address: Audit Supervision Platform, DBN Group, Phoenix International Innovation Park, No. 19 Chengwan Street, Sujiatuo Town, Haidian District, Beijing, 010-82473969.

Appendix



Training session on honesty and integrity

ESG Management

Environmental **Benefits**

Benefits

S Anti-unfair Competition

DBN Group upholds the principle of compliance and integrity in market competition. The Company strictly prohibits employees from engaging in any form of unfair competition, including but not limited to entering into restrictive agreements with competitors, participating in discussions to limit the supply of products or services, or coordinating boycotts with other businesses or individuals against specific customers or suppliers.

Committed to fostering a level playing field, the Company strengthens compliance training and raises employees' legal awareness and professional ethics for sustainable development within a regulated and orderly market. In 2024, the Company received no lawsuits related to unfair competition.

In 2024, DBN Group promoted publicity on corporate compliance. Externally, the Company participated in antitrust compliance campaigns led by the China Animal Agriculture Association. Internally, we organized compliance-focused exchange activities among service and business departments to nurture a comprehensive compliance culture. These efforts helped us reinforce compliance capabilities and contributed to a healthy, orderly business environment.



Antitrust compliance training



The Company strictly complies with Chinese IPRs laws and regulations, including the Patent Law, Trademark Law, and Copyright Law. We have formulated and implemented internal policies such as the DBN Group IPRs Management Measures and DBN Patent Incentive Measures to standardize IPRs management. The Company continues to advance IPRs management system certification with better IPRs systems to improve IPRs creation, utilization, and protection.

In terms of trademark protection, in 2024, the Company invalidated trademark registrations of seven entities that had imitated or appropriated DBN's registered trademarks, effectively preventing potential losses and protecting the reputation of DBN Group. Additionally, to reduce transactional risk and losses and ensure all forms of guarantees are legal and effective, the Company has conducted internal training on guarantee review key points, further strengthening employees' compliance awareness.

The Company organizes regular IPRs awareness publicity, training, and exchange sessions to improve our overall IPRs management capabilities. In 2024, we hosted 18 IPRs sharing and exchange events, engaging over 2,000 participants.



Social



DBNBC Protects IPRs Through legal Action

DBNBC has established the FARMAX Alliance IPRs Protection Center and strengthened the IPRs protection framework for biological bred trait-based products, with a particular focus on Baokang® (DBN9936). As the first-generation pest-resistant and herbicide-tolerant corn trait product, it has received safety certificate and invention patent (Patent No. ZL201510220034.6). However, illegal production and sales of the product have severely infringed on the Company's intellectual property rights. In 2024, the Company launched targeted IPRs protection campaigns to protect five patented traits, including DBN9936 and DBN3601T. In August, DBN joined forces with law enforcement in Manas County, Xinjiang, and employed third-party technical evaluations to eliminate illegal seed production fields in a thorough crackdown from field to market. Coordinated by the Company and the authorities, the action demonstrated DBN's determination to defend the biological bred innovation ecosystem and safeguard partner interests through legal action, setting a model for IPRs protection in the crop industry.





The elimination of unauthorized materials

(

Key Performance Indicators

% Party Building Performance

Indicators	Unit	2023 data	2024 data
Subordinate Branch Party Committee	1	-	1
Party general branches	/	7	8
Party branches	1	125	130
Party members	/	2,000+	2,000+
Party members as a percentage of total employees	%	10	12

% Business Performance

Indicators	Unit	2023 data	2024 data			
Operation performance						
Operating revenue	billion CNY	333.9	287.7			
Total assets	billion CNY	297.8	291.4			
Total tax payment	million CNY	3.85	3.74			
Busine	ss performance					
Feed sales volume	million tons	585.05	540.6			
Pigs sold	million pigs	604.87	640.5			
Corn, rice and soybean seed sales	million kg	5,262.96	5,352.6			
R&D	performance					
R&D investment	million CNY	8.34	7.35			
Ratio of R&D investment to operating revenue	%	2.50	2.55			
Number of R&D employees		2,991	2,635			
Ratio of R&D to total employees	%	16.2	16.3			
Authorized invention patents	1	12	72			
Authorized utility model patents	1	21	90			
Authorized design patents	1	-	4			
IPRs training sessions	1	21	18			
IPRs training participants	1	2,100	2,000+			

% Governance Performance

Social

Benefits

Indicators	Unit	2023 data	2024 data			
General Meeting of Shareholders						
Number of General Meetings of Shareholders	/	9	10			
Adopted proposals	/	38	29			
Proposals with separate vote counting for minority shareholders	/	38	29			
Board of Directors						
Number of Board members	/	9	9			
Male directors	/	7	7			
Female directors	/	2	2			
Independent directors	/	3	3			
Percentage of independent directors	%	33.33%	33.33%			
Board meetings held	/	15	16			
Adopted proposals	/	76	63			
Board of Supervisor	S					
Number of supervisors	/	3	3			
Employee supervisors	/	2	2			
Number of Board of Supervisors meetings	/	8	9			
Adopted proposals	/	24	21			
Investor communicati	on					
Investor exchange activities	/	10	9			
Institutional investors engaged	/	443	300+			
Investor communication record forms disclosed	/	9	9			
Investor calls answered	/	300	750			
Investors answered through the SZSE Easy IR Platform	/	81	63			
Total questions answered	/	133	133			
Risk management training sessions	/	-	12			

Benefits

% Environmental Performance

Indicators	Unit	2023 data	2024 data	
Enviro	nmental management		1	
Environmental protection investment	million CNY	5,345.3	3,516.99	
Environmental training sessions	1	-	531	
Environmental training participants	1	-	4006	
Green	house gas emissions			
Scope 1 GHG emissions	tCO ₂ e	225,027.02	199,715.38	
Scope 2 GHG emissions	tCO2e	271,982.73	184,488.22	
Total GHG emissions	tCO2e	497,009.75	384,203.60	
GHG emissions – crop business	tCO2e	38,067.79	21,773.83	
GHG emissions – feed business	tCO2e	228,126.01	148,004.54	
GHG emissions – pig farming	tCO2e	202,543.65	195,178.59	
GHG emissions – animal health and vaccine	tCO2e	19,957.3	13,139.38	
GHG emissions – other businesses	tCO2e	8,315	5,605.95	
En	ergy consumption			
Diesel oil	kg	1,212,735.78	1,170,113.45	
Gasoline	kg	249,749.62	258,689.94	
Natural gas	m³	18,823,899.55	18,284,418.85	
Liquefied petroleum gas	kg	31,788	100,072.62	
Electricity	kW∙h	345,870,271	282,632,121.60	
Heat	GJ	679,390.2	211,846.58	
Raw coal	tons	-	6,897.32	
Biomass energy	tons	-	19,010.29	
Solar energy	kW∙h	-	768,595	
Total energy consumption	tce	69,755.48	75,436.45	
Energy consumption intensity	tce/million operating revenue	2.09	2.62	
Energy consumption – crop business	tce/million operating revenue	1.56	2.27	
Energy consumption – feed business	tce/million operating revenue	2.11	2.46	
Energy consumption – pig farming	tce/million operating revenue	5.17	3.31	
Energy consumption – animal health and vaccine	tce/million operating revenue	10.04	10.38	
Energy consumption – other businesses	tce/million operating revenue	-	0.77	
Water resources utilization and emissions governance				
Total water withdrawal	million tons	345	442.82	
Wastewater discharge	tons	-	135,400 (pig farming business excluded)	

Indicators	Unit	2023 data	2024 data
COD emissions	tons	-	35.62
Ammonia nitrogen emissions	tons	-	15.08
General waste emissions	tons	-	2,033.63
Swine manure treatment volume	million m ³	-	201.2

% Social Performance

Indicators	Unit	2023 data	2024 data		
Employees					
Total employees	/	18,465	16,136		
Male employees	/	13,898	12,058		
Female employees	/	4,567	4,060		
Labor contract signing rate	%	100	100		
Social insurance coverage rate	%	100	100		
Female employees who have enjoyed maternity leave	/	459	173		
Employees who have enjoyed paternity leave	/	203	156		
Annual training investment	million CNY	1,900.5	1,745		
Total training hours	Hours	>27	12.5		
Training participants	/	147,372	182,324		
DBN Love Fund support amount	million CNY	256	140		
Recipients of DBN Scholarship for College Entrance Examination and Unified National Graduate Entrance Examination	/	140	152		
Amount of DBN Scholarship for College Entrance Examination and Unified National Graduate Entrance Examination	CNY	40.6	43.1		
Full-time safety officers	/	20	99		
Investment in safety measures	CNY	16	188		
Communities					
DBN Scholarship recipients	/	619	764		
DBN Scholarship amount	million CNY	113.8	160.78		
DBN Teaching Prize recipients	/	201	15		
DBN Teaching Prize amount	CNY	25	15		
Feed business suppliers	/	1,508	1,610		
Feed business suppliers evaluated annually	/	1,508	1,610		
Pig farming cooperative households	/	2,000+	2,000+		
Farmer households who have received crop business services	/	≈66	≈75		

Benefits

Core Research Platforms

No.	Category	Name
1	State key laboratories	State Key Laboratory of Green Biomanufacturing
2	State key laboratories	State Key Laboratory of Rice biological breeding (co-built)
1	Enterprise Key Laboratory of the Ministry of Agriculture and Rural Affairs	Key Laboratory of Enterprises in Protein Feed Bioengineering, Ministry of Agriculture and Rural Affairs, P. R. China
2	Enterprise Key Laboratory of the Ministry of Agriculture and Rural Affairs	Key Laboratory of Enterprises in biological breeding, Ministry of Agriculture and Rural Affairs, P. R. China
3	Enterprise Key Laboratory of the Ministry of Agriculture and Rural Affairs	Key Laboratory of Enterprises in Southwest Mountain Corn Breeding, Ministry of Agriculture and Rural Affairs, P. R. China
4	Enterprise Key Laboratory of the Ministry of Agriculture and Rural Affairs	Key Laboratory of Improved Pig Variety Breeding in Northwest China, Ministry of Agriculture and Rural Affairs, P. R. China
1	Provincial-Level R&D platform	Ningxia Engineering Research Center for Precision Regulation of Livestock and Poultry Nutrition and Feed Resource Utilization
2	Provincial-Level R&D platform	Fujian Engineering Research Center for Functional Aquatic Microorganism Development
3	Provincial-Level R&D platform	Fujian Provincial Key Laboratory of Aquatic Functional Feed and Aquaculture Environmental Regulation
4	Provincial-Level R&D platform	Jiangsu Provincial Engineering Technology Research Center for High-quality Veterinary Vaccines
5	Provincial-Level R&D platform	Jiangxi Provincial Technology Research Center of Pig Nutrition and Feed Safety
6	Provincial-Level R&D platform	Guangdong Liquid Fertilizer Technology Research Center
7	Provincial-Level R&D platform	Fujian Provincial Technology Research Center of Microbial Development for Feed Use
8	Provincial-Level R&D platform	Fujian Provincial Corporate Technology Research Center of Veterinary Biological Products

National Key Leading Enterprise in Agricultural Industrialization

No.	Category	
1	National Key Leading Enterprise in Agricultural Industrialization	
2	National Key Leading Enterprise in Agricultural Industrialization	Be
3	National Key Leading Enterprise in Agricultural Industrialization	
4	National Key Leading Enterprise in Agricultural Industrialization	Ning
5	National Key Leading Enterprise in Agricultural Industrialization	
6	National Key Leading Enterprise in Agricultural Industrialization	

Name

Beijing Dabeinong Technology Group Co., Ltd.

eijing Kings Nower Seed Science and Technology Co., Ltd.

Hebei Fontain Feed Technology Co., Ltd.

ngxia Dabeinong Science and Technology Industrial Co., Ltd.

Shaanxi Power Feed Technology Co., Ltd.

Yunnan Datian Seed Industry Co., Ltd.

Benefits

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Environmental **Benefits**

Social **Benefits**

Selected Crop Product Profiles:



Corn



Nongda 778

- Large tassels, multiple branches, high pollen production, strong kernel setting
- Large ears with a high number of rows, strong yield performance
- Broad kernels with high thousand-kernel weight and test weight
- Well-developed root system with excellent lodging resistance and strong tolerance to ear rot and rust



• Selected as a "2024 Leading Corn Variety" by the Ministry of Agriculture and Rural Affairs

• High yield, premium quality, stress resistance, wide adaptability, and suitability for both grain and feed use



- Drought tolerance, tolerance to low soil nutrients, and strong stress resistance
- Large ears with strong kernel development and high yield
- Full, well-formed kernels with excellent quality



Jingnongke 767

- Strong disease resistance, including resistance to rust, bacterial wilt, and ear rot
- Large ears with high quality
 - River • High temperatures and lodging resistance, stable and high yield



- High-quality golden grain
- Excellent drought and disease resistance with uniform ear development
- Large leaves and thick stalks, higher yield potential



- · Variety that has passed dual National Crop Variety Approvals, with premium quality and high test weight • Wide adaptability and strong disease
- resistance Suitability for mechanical harvesting,
- with strong stalks, good lodging resistance, and stay-green maturity



- Tolerance to lodging and high-density planting
- Moderate resistance to northern corn leaf blight; susceptible to silk smut, gray leaf spot, stalk rot, and ear rot
- Named a leading variety for agriculture and animal husbandry in Inner Mongolia in 2023



- Wide adaptability, suitable for planting across both sides of the Yellow



- Wide adaptability, tolerance to low soil nutrients, drought tolerance, strong disease resistance
- Proven yield stability for years in the sloped, low-fertility areas of Southwest China; higher twin-ear rate in more fertile soils



Environmental **Benefits**

Social

Benefits



Fresh Corn



Xinmeitian 814

- High kernel setting rate with high yield and premium quality
- Deep kernels with bright color and uniform alignment
- Robust root system with strong resistance to disease and lodging



- Dual-color, high-quality sweet corn variety
- Strong disease and lodging resistance with wide adaptability



Yuetian No. 28

- High yield and lodging resistance
- Suitability for cultivation across various regions
- Resistance to multiple corn diseases



Yuetian 41

- wide adaptability • High sugar content, edible in the raw
- state
 - Crisp and sweet texture, with thin skin and minimal residue



Rice



C-Liangyou Huazhan

• Numerous panicles, high yield, strong disease resistance, and vigorous tillering



Quanyou Yuenongsimiao

• Excellent heat tolerance, regeneration ability, high yield, great taste, and premium quality



Gongliangyou Yuenongsimiao

- High and stable yield, suitable maturity period, and flexible sowing window
- Enhanced lodging resistance and tolerance to extreme temperatures, and good regeneration capacity



Tianyou Huazhan

- Stable, high yield with excellent grain quality • Strong stress resistance and wide
 - adaptability



- High yield with premium quality and



- Large panicle size with high grain number, high yield and superior • quality
- Thick stems with strong tolerance to fertilizers, excellent lodging resistance, stay-green leaves, golden kernels, and premature aging resistance

Benefits



Rice



Zhuoliangyou 1126

- Large panicle size with high grain number and yield
- Strong fertilizer tolerance, lodging resistance, and premium grain quality



· High yield with strong stress resistance and excellent grain quality • Ideal for processing, cost-efficient, and marketable



Chuankangyou 2115

- Premium quality, high yield, increased income, large grain size, and good grain quality
- Strong resistance to disease and lodging, multi-disease resistance, reduced fertilizer and chemical requirements
- ments



Zhongjia Longjing No. 1

• Dense grain setting, thick stems with strong lodging resistance • High quality, high yield, and

excellent cold tolerance

- Highly adaptable to diverse environ-



- Strong disease resistance and tolerance to poor soils with high yield
- Resistance to brown spot and soybean mosaic virus Thermal time: 2,350–2,400°C
- Fat content: 19.47%, protein: 40.3% 100-seed weight: 16.9g
- Zhonglongdou 106 Listed on the subsidized high-protein, high-yield variety programs • 2024 actual yield: 321.86 kg/mu (1
- Thermal time: 2,400°C • Fat content: 19.81%, protein: 44.98% 100-seed weight: 23g

mu equals 666.67 m²)



Soybean



- Resistant to fourfold doses of glyphosate and glufosinate
- Strong drought and flood tolerance • High yield



- Listed on the subsidized high-oil, high-yield variety programs
 - Featured in a CCTV special report Thermal time: 2,350–2,380°C
 - Trial yield (Jiamusi Academy of Agricultural Sciences): 326.6 kg/mu
 - Fat content: 22.75%, protein: 35.98%, 100-seed weight: 19.1g





Appendix

Corporate Governance

multi-disease resistance • Strong resistance to rice blast and



Longjing 31

- Early-maturing super rice variety • High yield, rapid post-harvest maturi-
- ty, and high milling yield • Wide adaptability and easy cultiva-
- tion management



Zhonghuang 615

- New high-protein variety with resistance to brown spot and high protein • Thermal time: 2,040–2,100°C
- Fat content: 19.29%, protein: 39.93%
- 100-seed weight: 19.2g

Benefits



Corporate Governance



• High-quality hybrid millet varietv

• Strong stress resistance and high yield



Guanghaitian No. 3 Choy Sum

- Late maturity with strong cold tolerance and overwintering performance, around 48 days to harvest
- Upright, robust, and uniform growth, thick stems, green appearance, and a sweet, crisp taste

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Selected Feed Product Profiles:



Premix



S612 (Compound premix for swine)

- Enhanced with organic trace minerals for improved palatability
- Excellent mixing uniformity without dust • Supports gut microbiota balance and
- intestinal health
- conversion ratio
- improved environmental performance



Piglet feed

- Promotes fast growth with a low feed
- Low-protein diet formulation for





S816 Beibeiru (early-stage compound feed for piglets)

- Highly palatable to encourage rapid and sufficient feed intake
- Easy to digest and absorb for rapid weight gain
- Supports health and reduces stress-related diarrhea



Meiweiduo (compound feed for piglets)

- High-energy protein and balanced amino acids to support gut development
- Pre-treated ingredients for better digestibility
- Promotes nutrient absorption, reduces diarrhea, and enhances immunity



Boar feed



Gongzhu Qiang (compound feed for boars)

- Balanced nutrition with optimized calcium-phosphorus ratio and enhanced vitamins and trace elements • Contains free radical scavengers,
- short-chain fatty acids, multi-dimensional balance, and yeast extract for better health
- Fortified with arginine and L-carnitine to support hoof development, mycotoxin control measures improve semen quality and reduce stress



Jingduoduo (compound feed for boars)

- Enriched with essential amino acids and high-quality animal protein to enhance libido and semen quality
- Organic trace minerals and fortified vitamins to improve sperm vitality
- Active immune boosters and natural antioxidants to strengthen disease resistance
- Natural heat stress relief ingredients to protect semen quality in the hot summer



Special feed

北京大北农集团 DBN 黑猪专用饲浆 (种脂) 创建世界级农业科技与

Black pig special feed

- Low-protein, high-amino-acid formula reduces intestinal fermentation and improves feed efficiency
- for both growth and fat deposition and optimizes intramuscular fat
- growth of beneficial microorganisms • Uses organic trace elements to
- protect meat quality and avoid the negative effects of inorganic elements

Appendix

Corporate Governance







- Energy gradient design meets needs
- Promotes gut health and supports the



Good pig concentrated feed (888)

- Soybean-meal-based concentrate for high digestibility and faster growth to the market
- Microbial biological control agents regulate gut health and reduce ammonia odor in manure
- Low-protein, high-amino-acid diet improves meat quality

Benefits



Sow feed



Appendix

Corporate Governance



Duoduoru (compound feed for lactating sows)

- Organic trace minerals enhance calcium and phosphorus absorption, reduce hoof disorders, and extend sow longevity
- Functional fibers and microbial biological control agents promote intestinal health and prevent constipation
- Functional additives support mammary gland development and improve lactation performance



Sheep concentrate supplement

- Supports fattening period with reduced stress, prevents stone urolithiasis and toxicity, and boosts • appetite and growth
- Added with Bacillus subtilis, yeast, enzymes, and fiber to promote digestion

Benefits



Benefits



Aquatic biotech products



- Fermented probiotics stimulate appetite and support digestive health
- Rapid absorption with low pollution;
- boosts shrimp and fish vitality • Enhances survival rate and strengthens immunity



Hujunxiao (aquatic compound premix feed A02)

- Breaks down organic debris to reduce eutrophication and support ecological cycles
- Purifies water and reduces pollution • Maintains microbial-algal balance for
- stable ecosystems
- ria and stabilizes water quality • Natural antimicrobial effects with eco-friendly performance

efficacy

Corporate Governance



EM10 (EM10 gold)

• Marine microbes and metabolites, scientifically blended for safety and

• Rapid reaction in both aquatic animals and water, promotes beneficial bacte $\equiv \frac{\text{Table of}}{\text{Contents}}$

About DBN

ESG Management Environmental **Benefits**

Social **Benefits**

Feed Biotech Products:



Compound Microecological **Products**



- Synergistic action of probiotics and • Proprietary brewer's yeast culture • Pleasant aroma boosts feed intake enzymes • Promotes digestion and reduces feed
- Enhances immunity and disease resistance
- Excellent cost-performance balance

conversion ratio

大北农集团

DBN **、北农生物饲料**

Changlijian Series



- Patented probiotic strains
- Targeted gut colonization
- Advanced technology Strong stress resistance





Brewer's yeast culture

- Patented strains
- Advanced technology
- Abundant in metabolites
- High microbial protein



Fish peptides

- High peptide
- High amino acid Rich in fat
- Ideal alternative to fishmeal



Fermented feed products





- eases constipation
- piglets
- mycotoxins

Appendix

Selected Animal Health and Vaccine Product Profiles:

ESG

Management

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Reader Feedback Form

Dear readers,

Thank you for taking the time to read this report. We sincerely welcome your feedback and suggestions to help us improve our reports. Your valuable input will serve as an important basis for enhancing the quality of our disclosures and strengthening our CSR capability.

Optional questions: (Please tick your option)

- 1. What is your general impression of this report?
- □ Very good □Good □ Fair □Poor □Very Poor
- 2. Do you think this report reflects the significant impact the company has had on the local economy, society, and environment?

 $\hfill \mathsf{Very} \ \mathsf{good} \quad \Box \ \mathsf{Good} \quad \Box \ \mathsf{Fair} \quad \Box \ \mathsf{Poor} \quad \Box \ \mathsf{Very} \ \mathsf{Poor}$

3. What do you think of the quality of the social responsibility information disclosed in this report?

□ Very good □Good □Fair □Poor □Very Poor

4. What do you think of the layout design of this report?

 $\hfill\square Very \ good \qquad \Box \ Good \qquad \Box \ Fair \qquad \Box \ Poor \qquad \Box \ Very \ Poor$

5. What do you think of the readability of this report?

□ Very good □Good □Fair □Poor □Very Poor

Open questions:

1. If you have any suggestions on our CSR program, please specify

- 2. What deficiencies do you think exist in this report?
- 3. What other social responsibility information do you think should be disclosed in this report?

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Corporate Governance

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