





China Modern Dairy Holdings Ltd. 中國現代牧業控股有限公司 Stock Code 股份代號: 1117

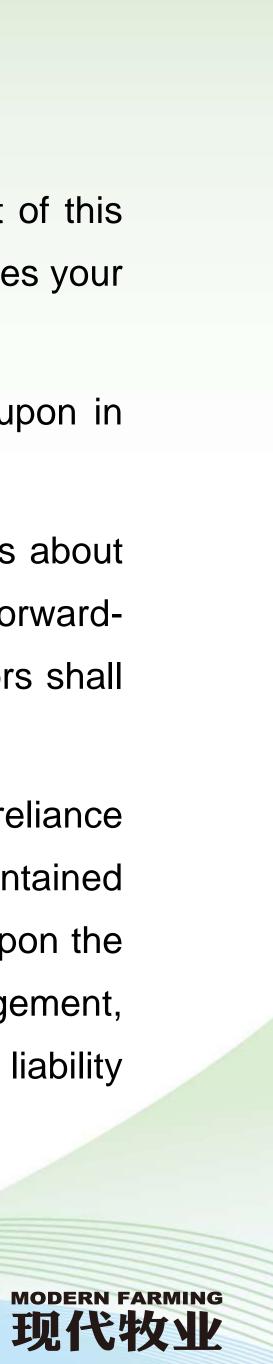
2023 **INTERIM RESULTS**



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Financial Highlights

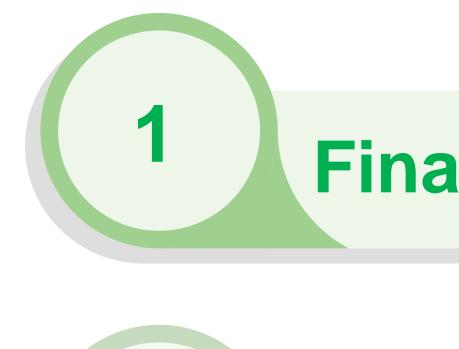
Two Records: Yields and production of raw milk reached a historical high Two Belows: The drop in milk prices and the increase in the cost of milk were below market levels

Two Increases: Substantial increase in operating cash flow and free cash flow

One Optimization: Significant optimization of the debt structure and a steady decline in financial leverage







2



Financial Results

Business Updates

Industry Prospects



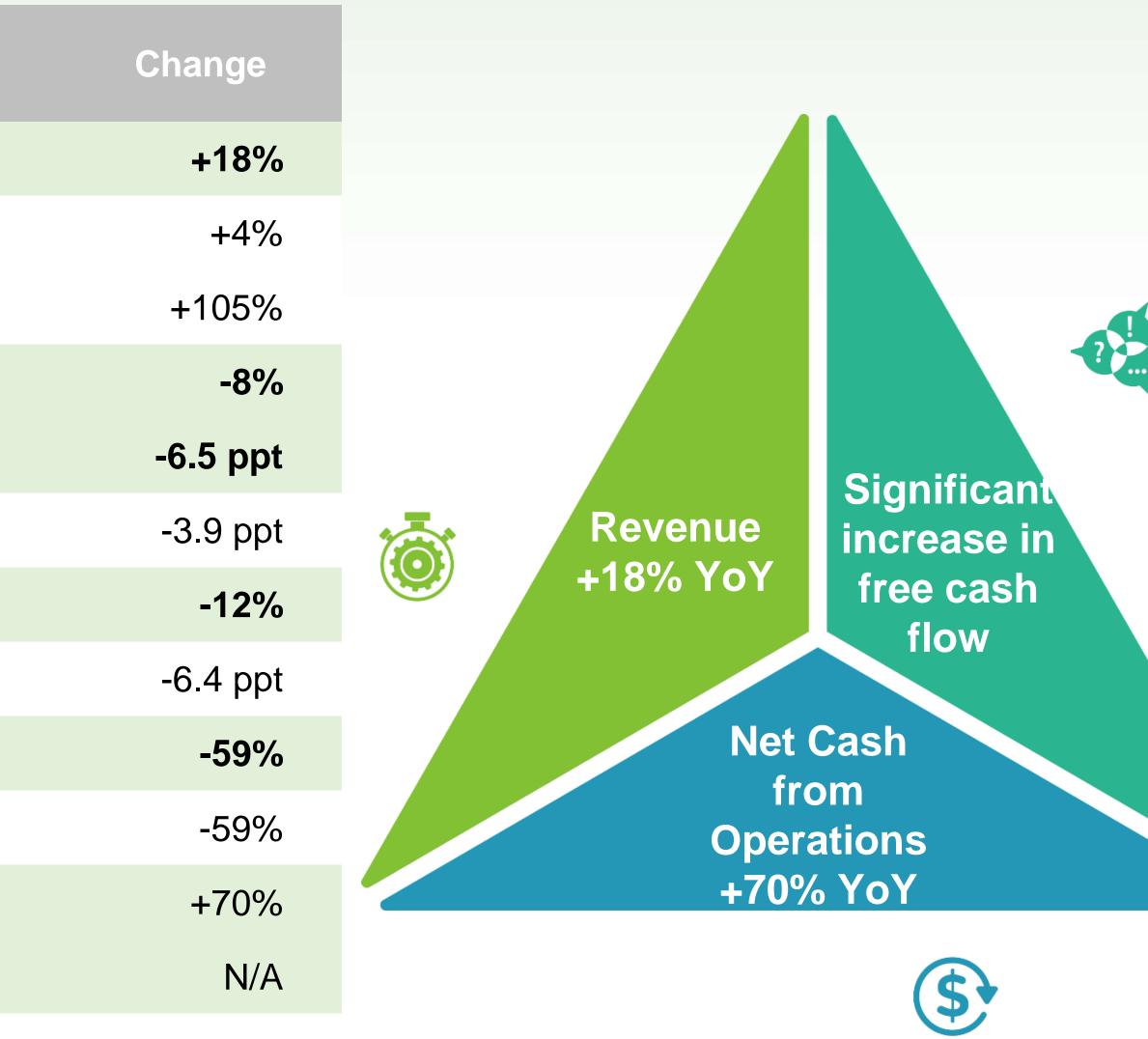
2023 Interim Results Review

RMB Million	2023H1	2022H1
Revenue	6,633	5,632
include: raw milk sales	5,044	4,858
new businesses	1,589	774
Gross Profit	1,521	1,655
Gross Profit Margin (%)	22.9	29.4
include: raw milk sales (%)	28.3	32.2
Cash EBITDA ⁽¹⁾	1,271	1,441
Cash EBITDA Margin (%)	19.2	25.6
Net Profit	218	531
Earnings per share (RMB cents)	2.66	6.46
Net Cash from Operations	2,183	1,282
Free Cash Flow ⁽²⁾	897	-559

Note:

(1) Cash EBITDA is defined as profit/(loss) before finance costs and tax having added back: i) depreciation for property, plant and equipment and rightof-use assets charged to profit or loss, ii) other gains and losses, net, iii) impairment losses, net of reversal, iv) loss arising from changes in fair value less costs to sell of dairy cows.

(2) Free cash flow is defined as net cash from operations less net cash outflow from investing activities.

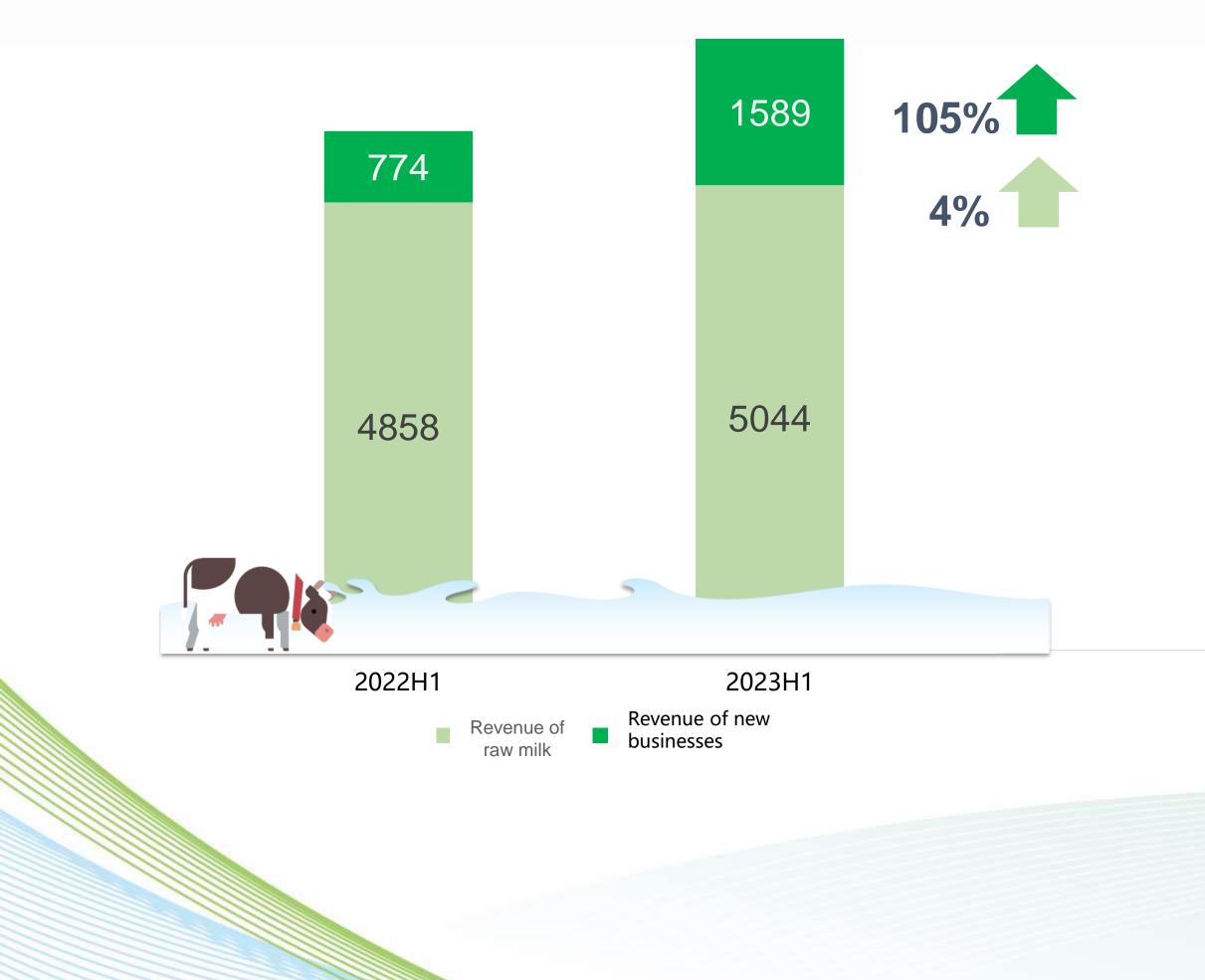




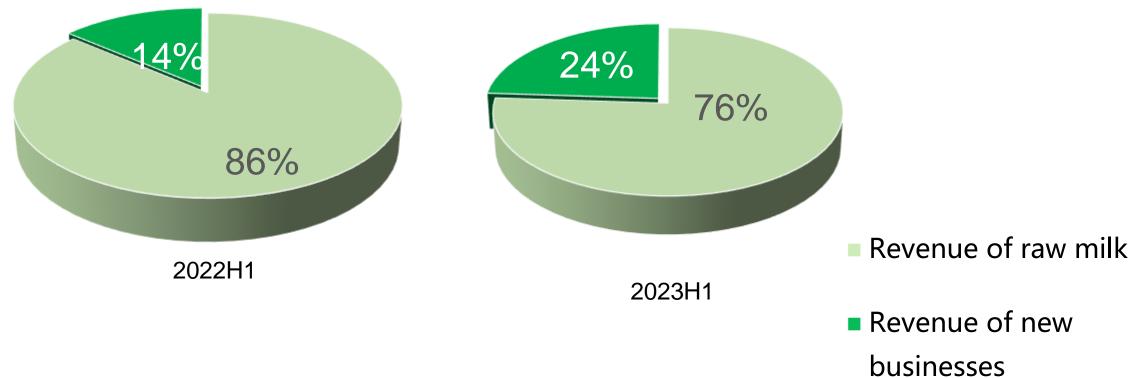




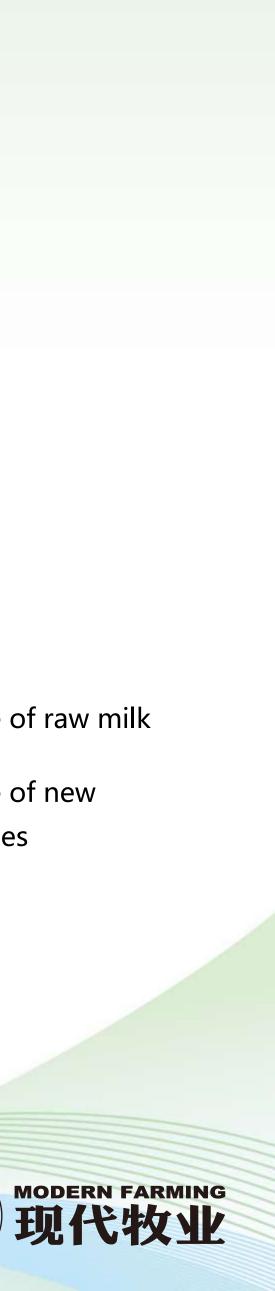




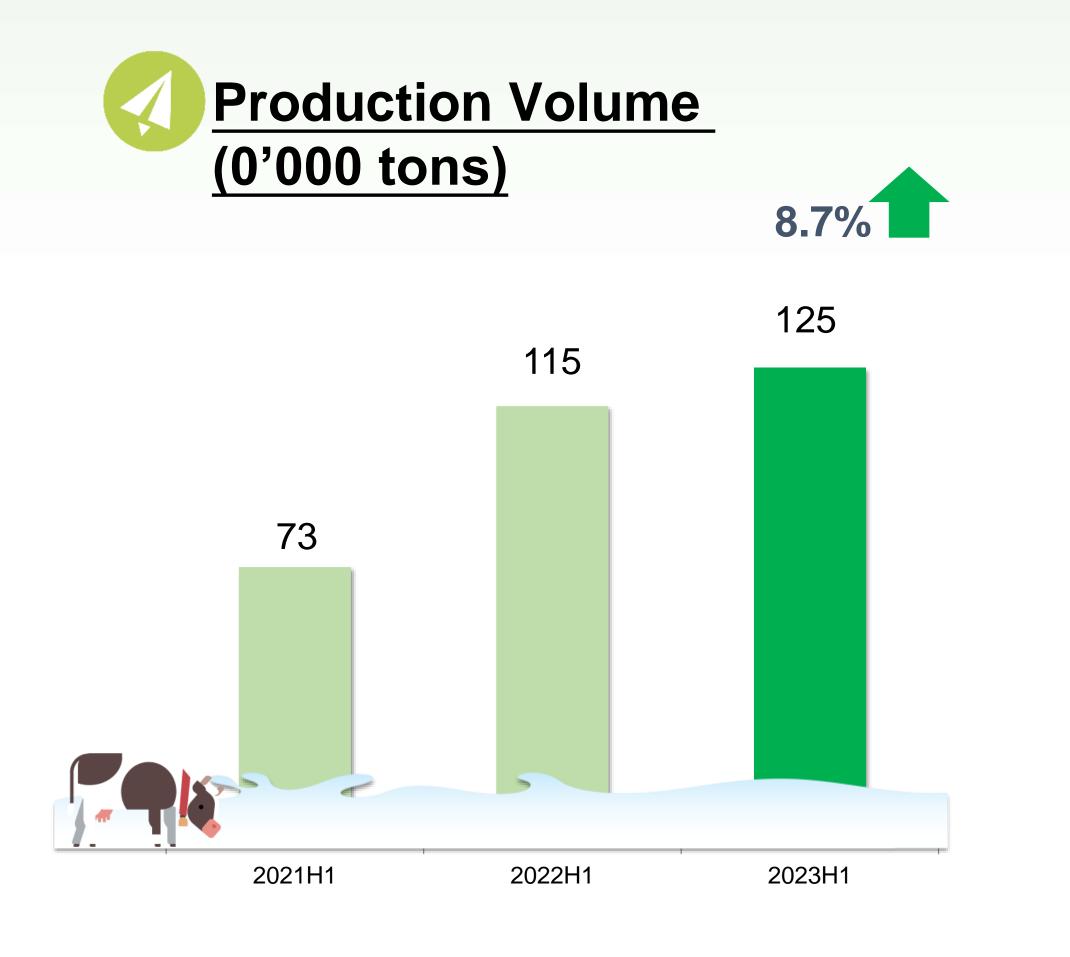


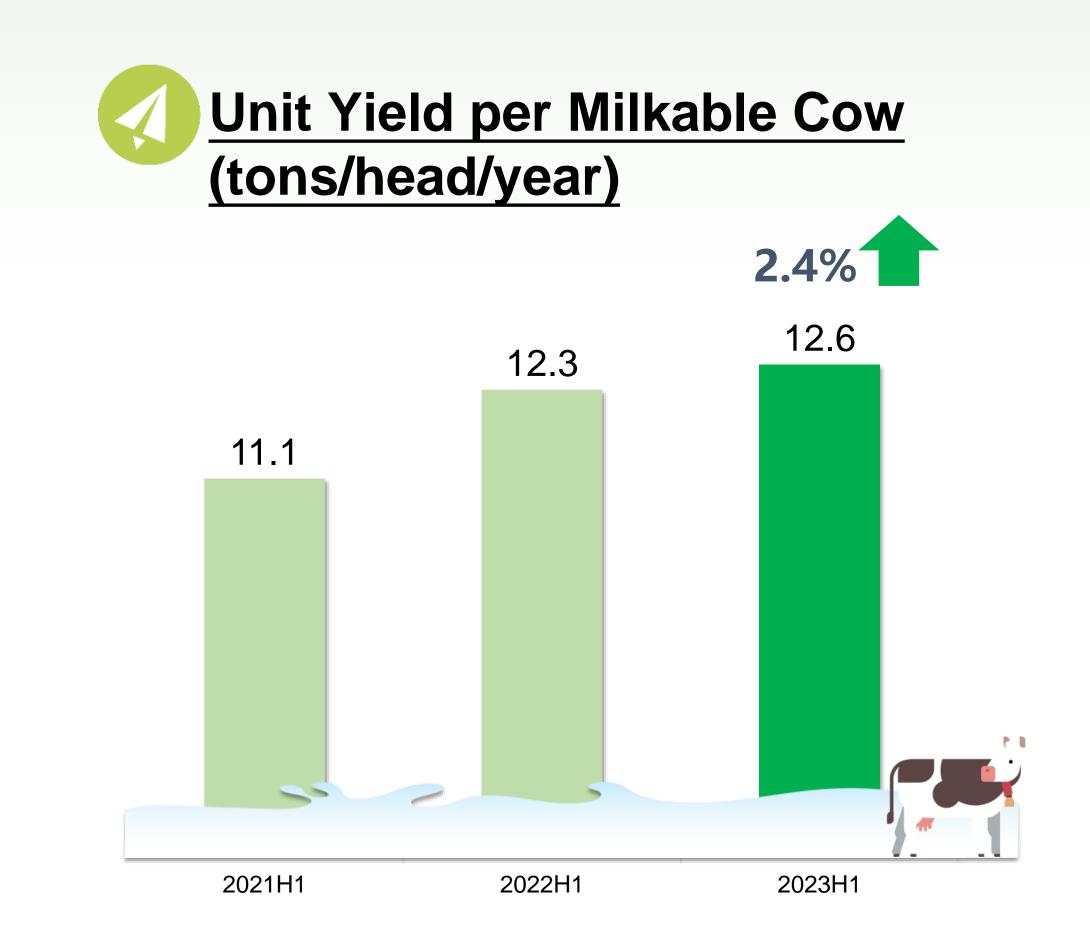






Steady Increase in Production Volume of Raw Milk



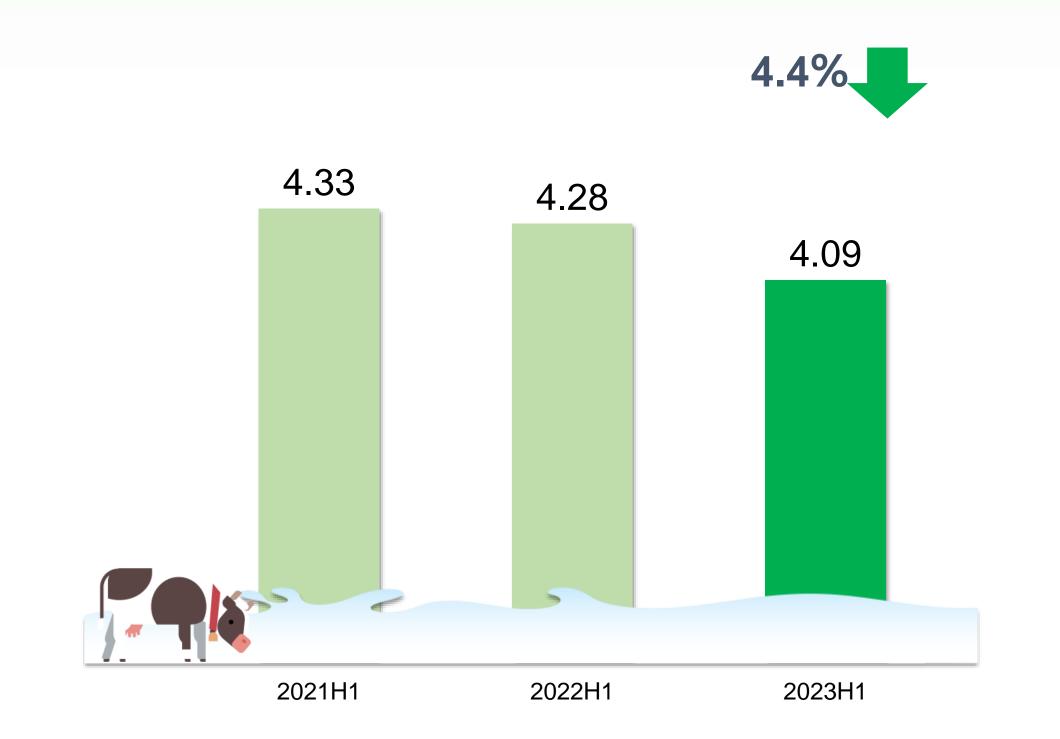






Average Selling Price (ASP) of Raw Milk

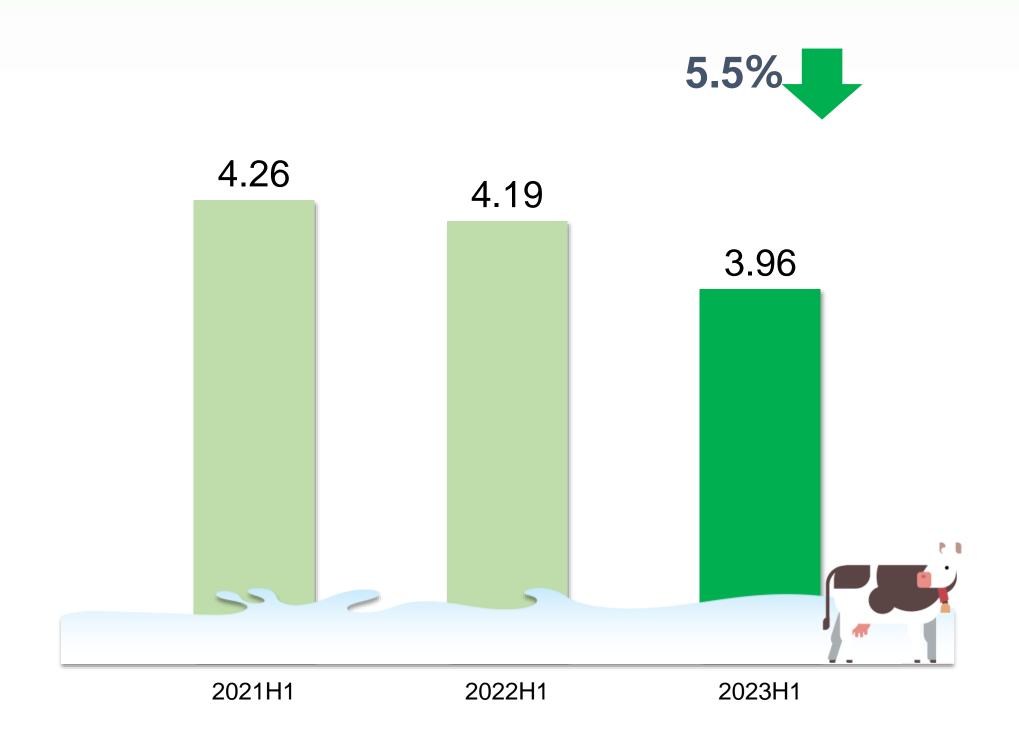




► Note: the milk price in 2021 is simulated after consolidating data from the acquired ranches for the same period





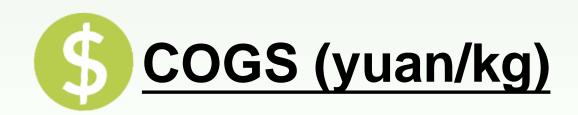


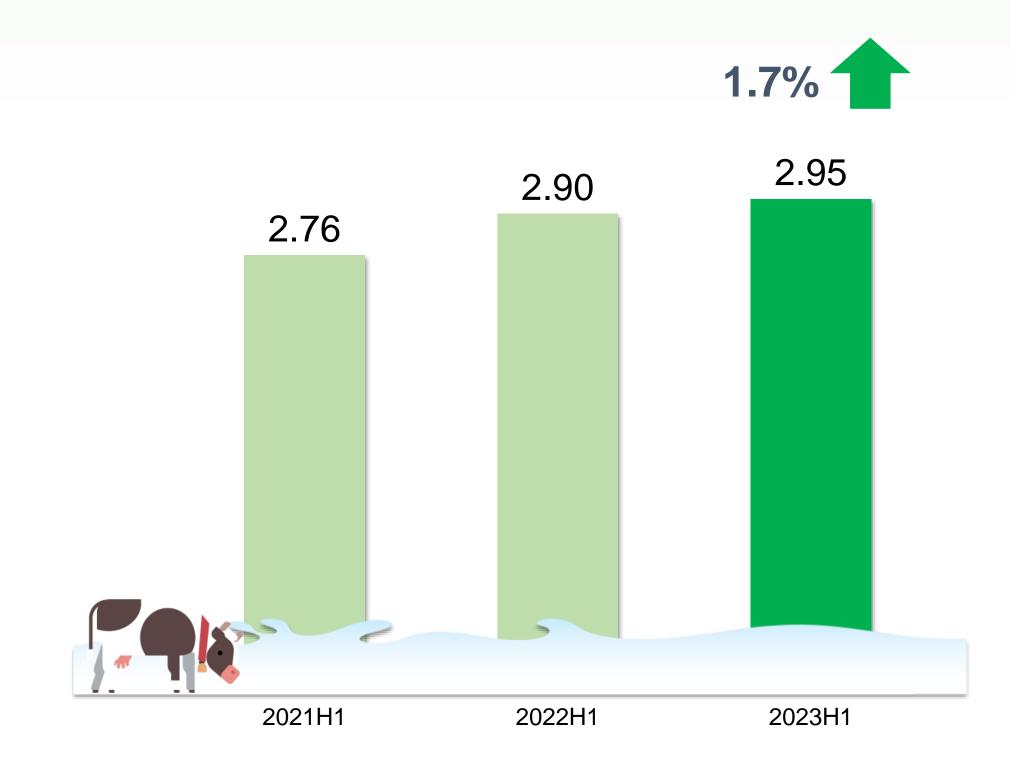
► Data source: Ministry of Agriculture and Rural Affairs





COGS per Kilogram

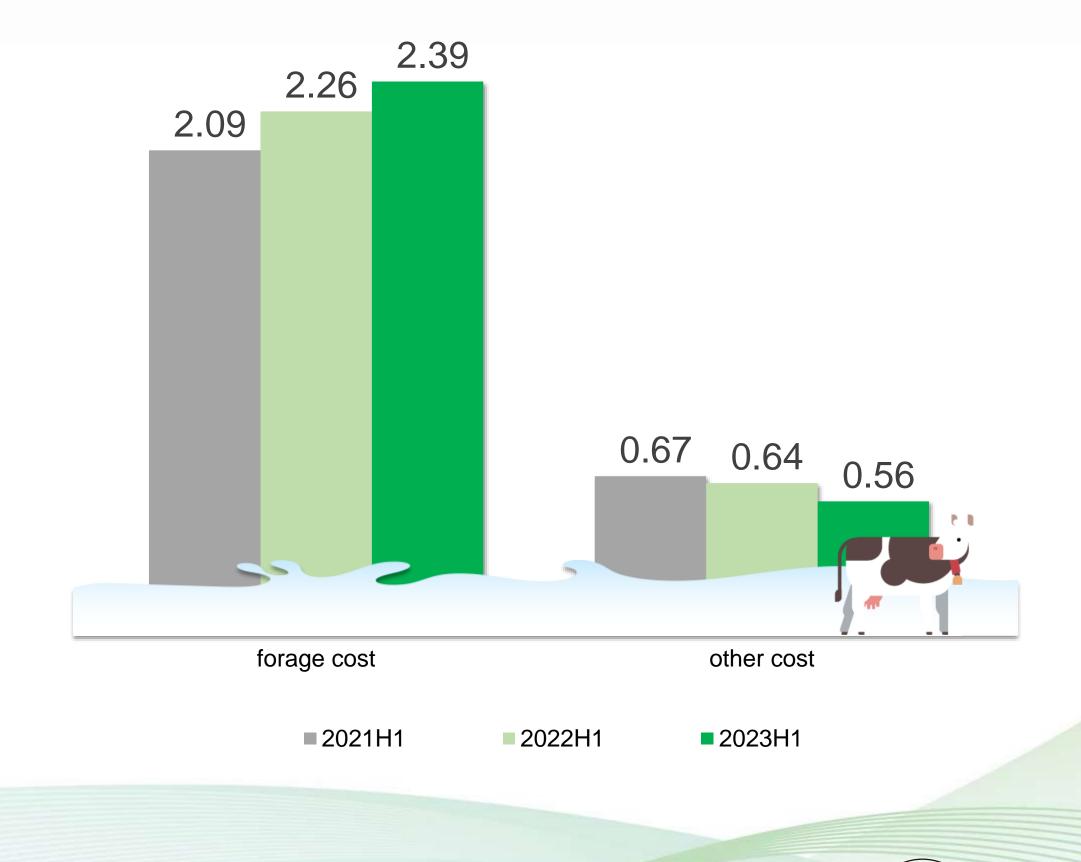




► Note: the milk cost in 2021 is simulated after consolidating

data from the acquired ranches for the same period

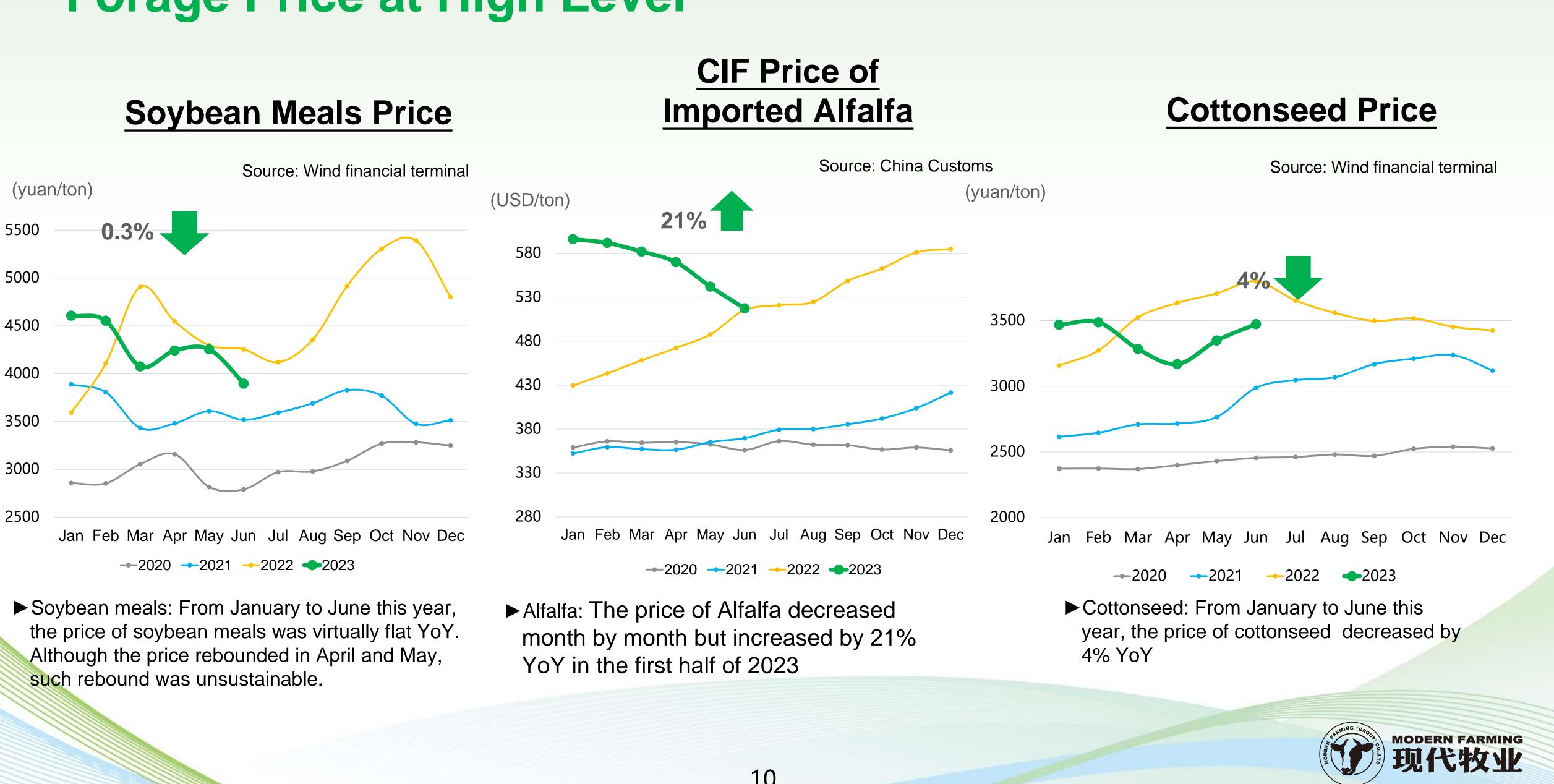


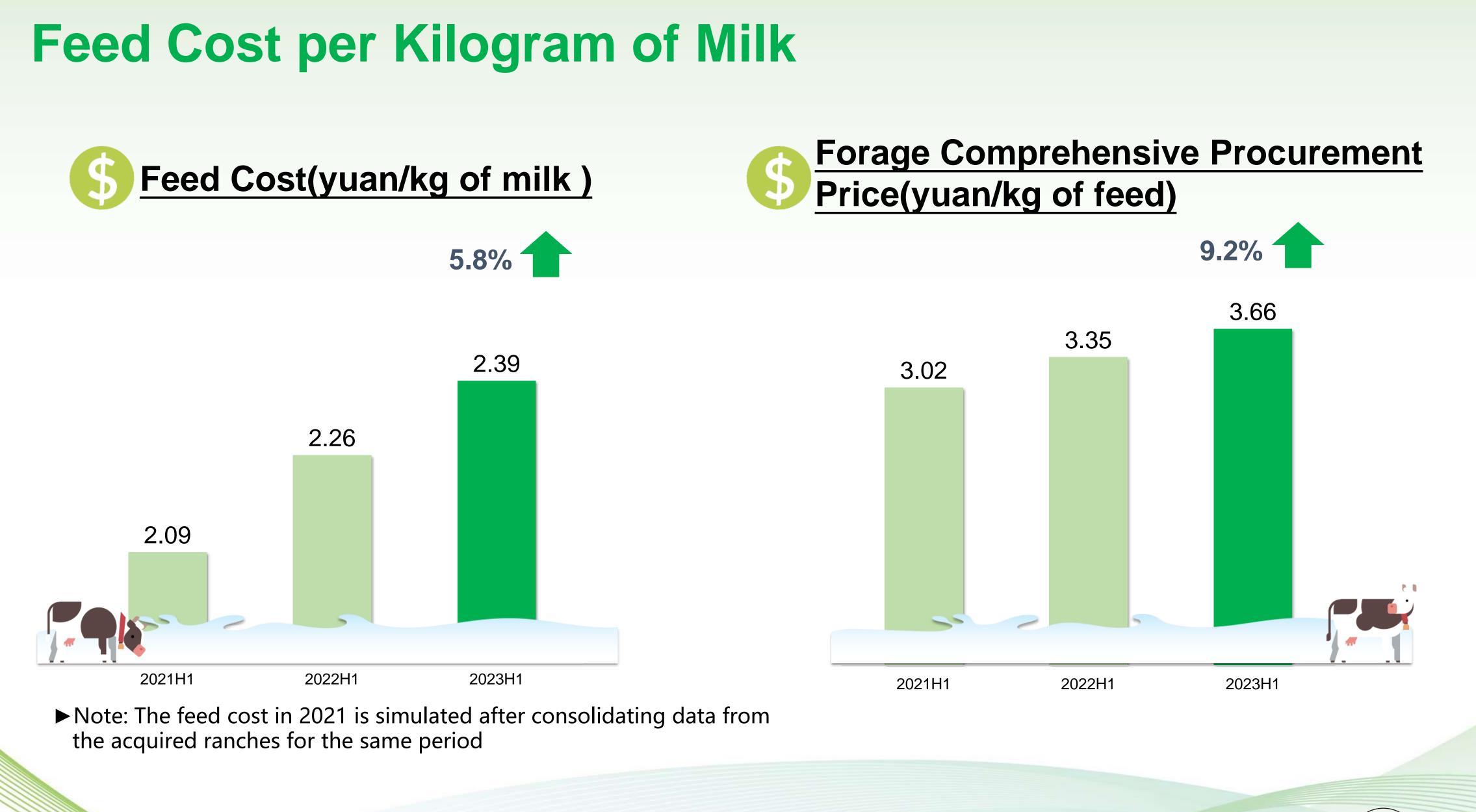






Forage Price at High Level

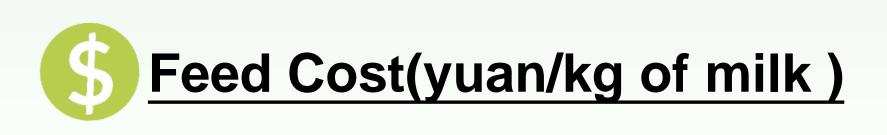




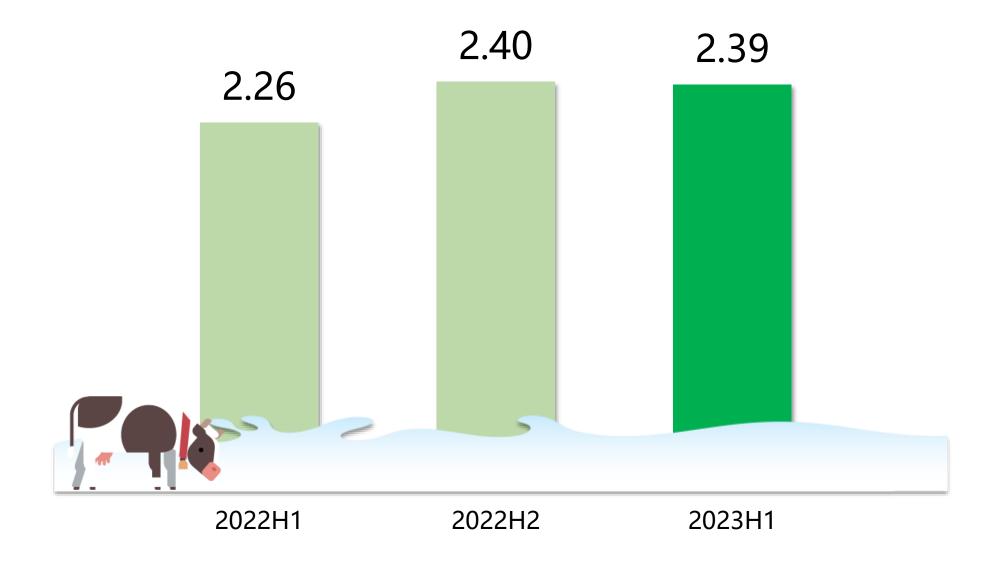


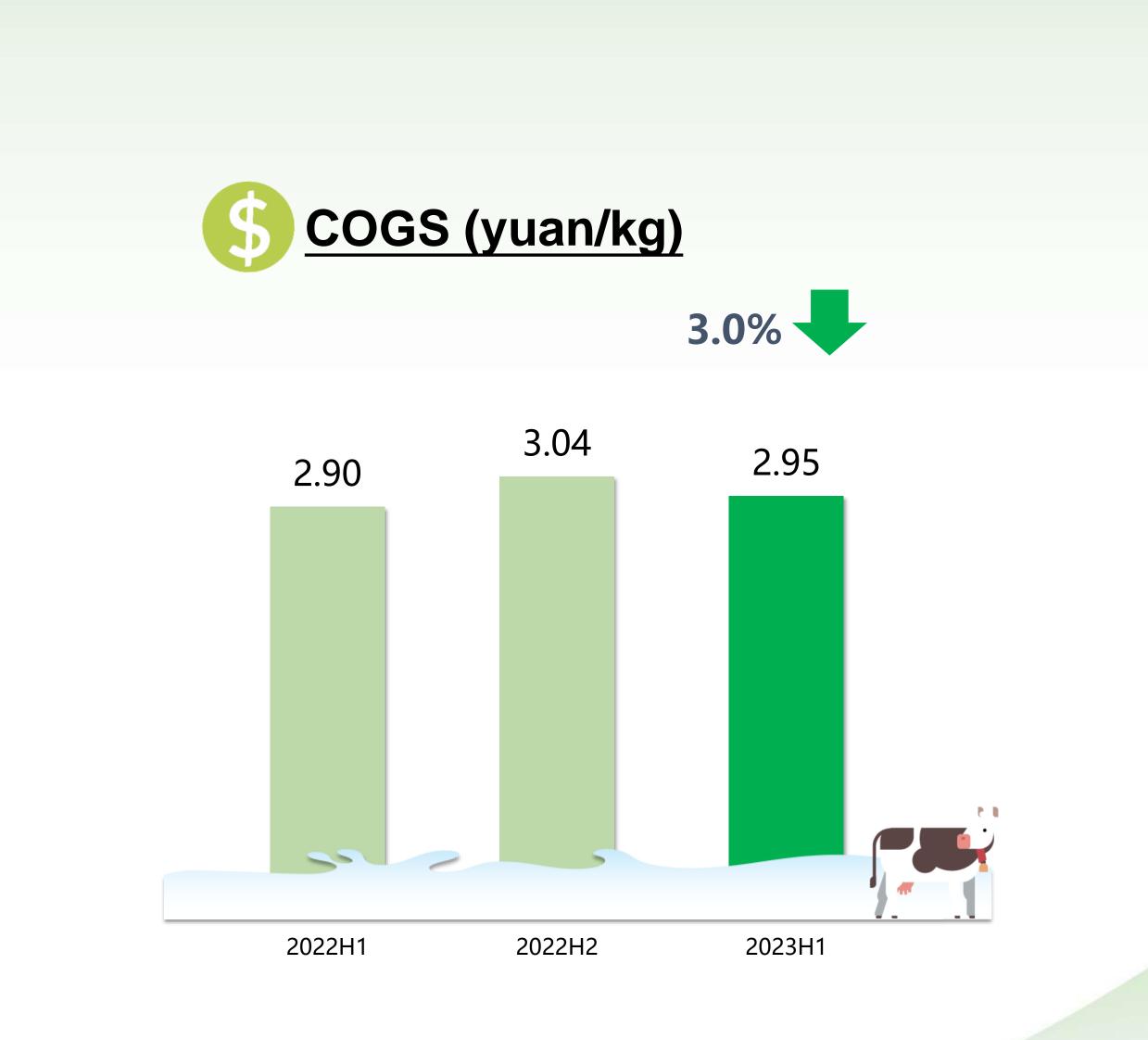


Costs are improving MoM







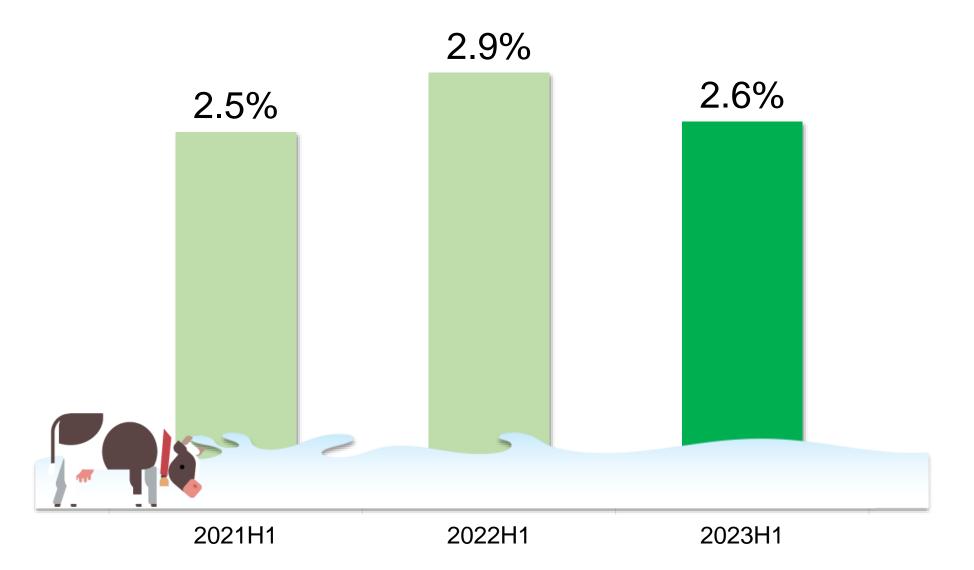






Selling and Administrative Expenses Ratios



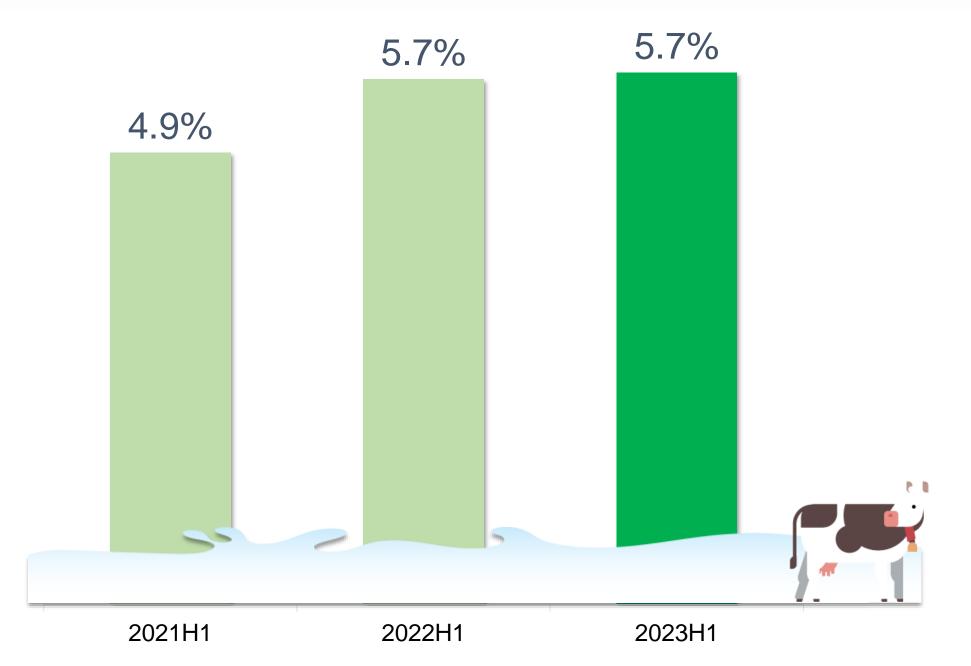


► The selling expenses ratio in 2021 is simulated after consolidating data from the acquired ranches for the same period

Selling expenses ratio = selling and distribution expenses/sales revenue



Administrative expenses ratio



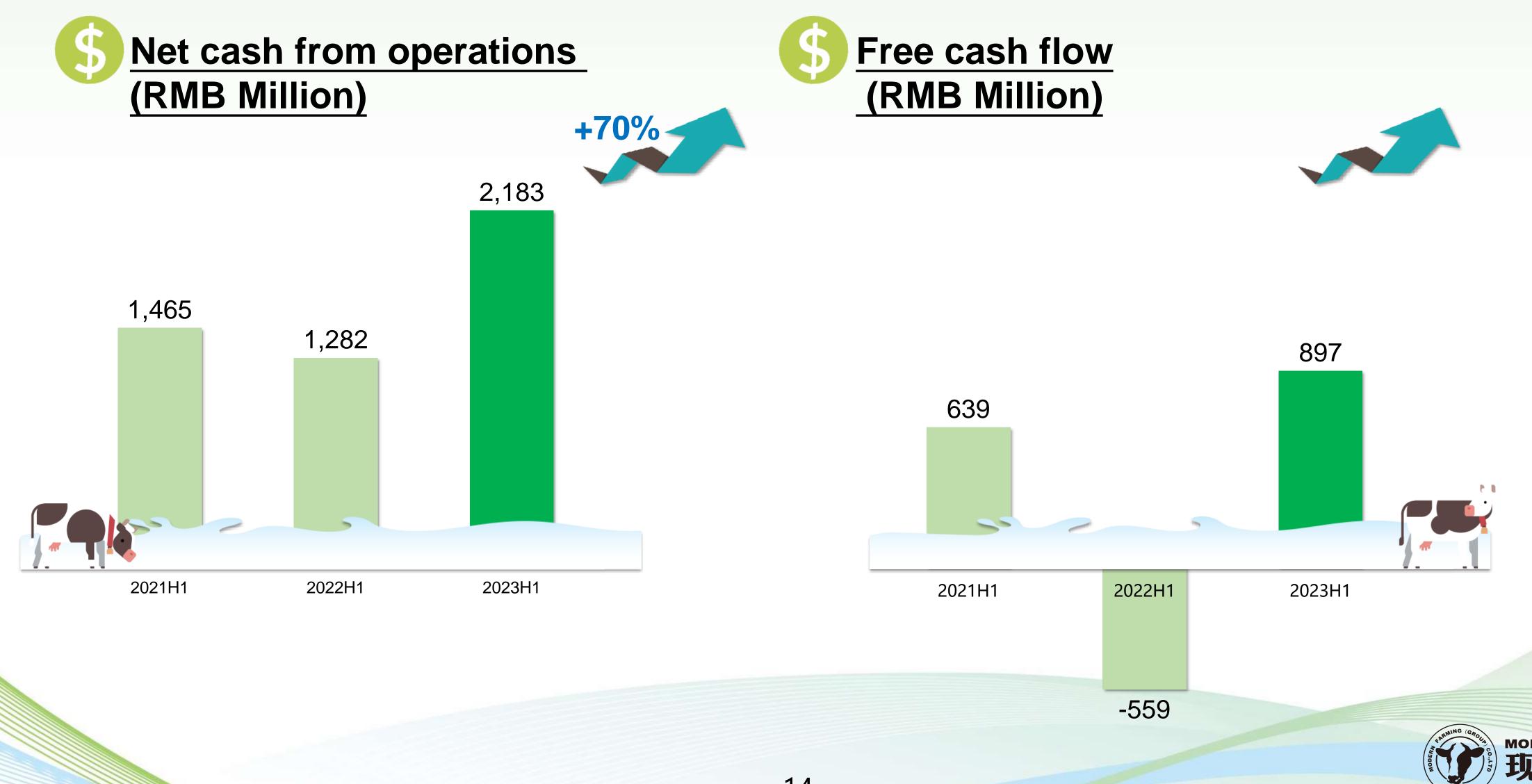
► The administrative expenses ratio in 2021 is simulated after consolidating data from the acquired ranches for the same period

Administrative expenses ratio = administrative expenses/sales revenue





Significant Increase in Cash Flow









Balance Sheet Overview

	RMB: 100 Million	2023
	Biological Assets	112
	Fixed Assets	57
	Total Assets	290
	Total Liabilities	173
	Total Equity	117
	Net Asset Value per Share ⁽¹⁾ (RMB yuan)	1.4
Total Interest-bearing Borrowings		123
	Net Interest-bearing Borrowings ⁽²⁾	95
	Net Interest-bearing Debt Ratio ⁽³⁾ (%)	44
	Debt-to-asset Ratio ⁽⁴⁾ (%)	59

Notes:

(1) Net Asset Value per Share = Equity Attributable to Owners of the Company/ Year-end Number of Shares Outstanding;

(2) Net Interest-bearing Borrowings = Interest-bearing borrowings - cash and deposit assets;

(3) Net Interest-bearing Debt Ratio = Net Interest-bearing Borrowings / (Net Interest-bearing Borrowings + Equity);

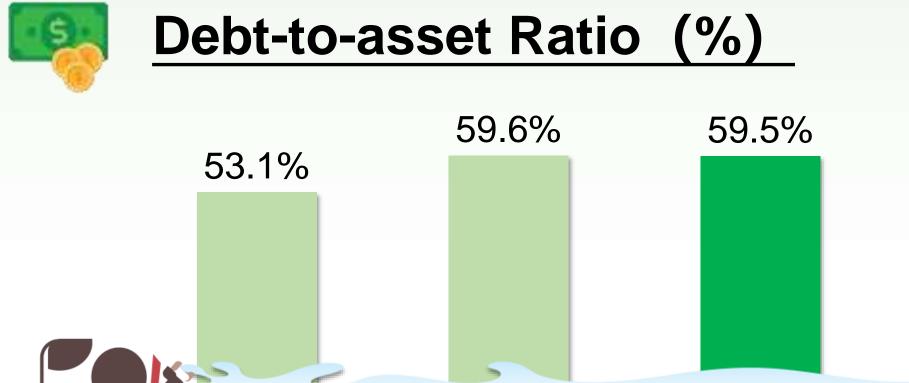
(4) Debt-to-asset Ratio = Total Liabilities/Total Assets.

3H1	2022	Change
2.1	106.3	+5%
7.8	57.0	+1%
).9	288.2	+1%
3.1	171.8	+1%
7.8	116.4	+1%
.44	1.42	+1%
3.5	124.7	-1%
5.0	99.2	-4%
4.6	46.0	-1.4 ppt
9.5	59.6	-0.1 ppt





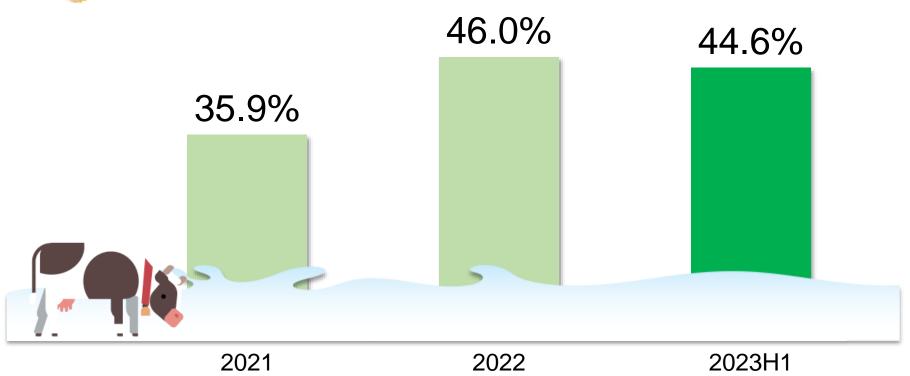
Financial Leverage



2021 2023H1 2022



Net Interest-bearing Debt Ratio (%)



Net Interest-bearing Debts (00 million yuan) 99.2 95.0 62.4 2021 2022 2023H1 **Net Gearing Ratio (%)** 85.2% 80.6% 56.1% 4 🛷

2022

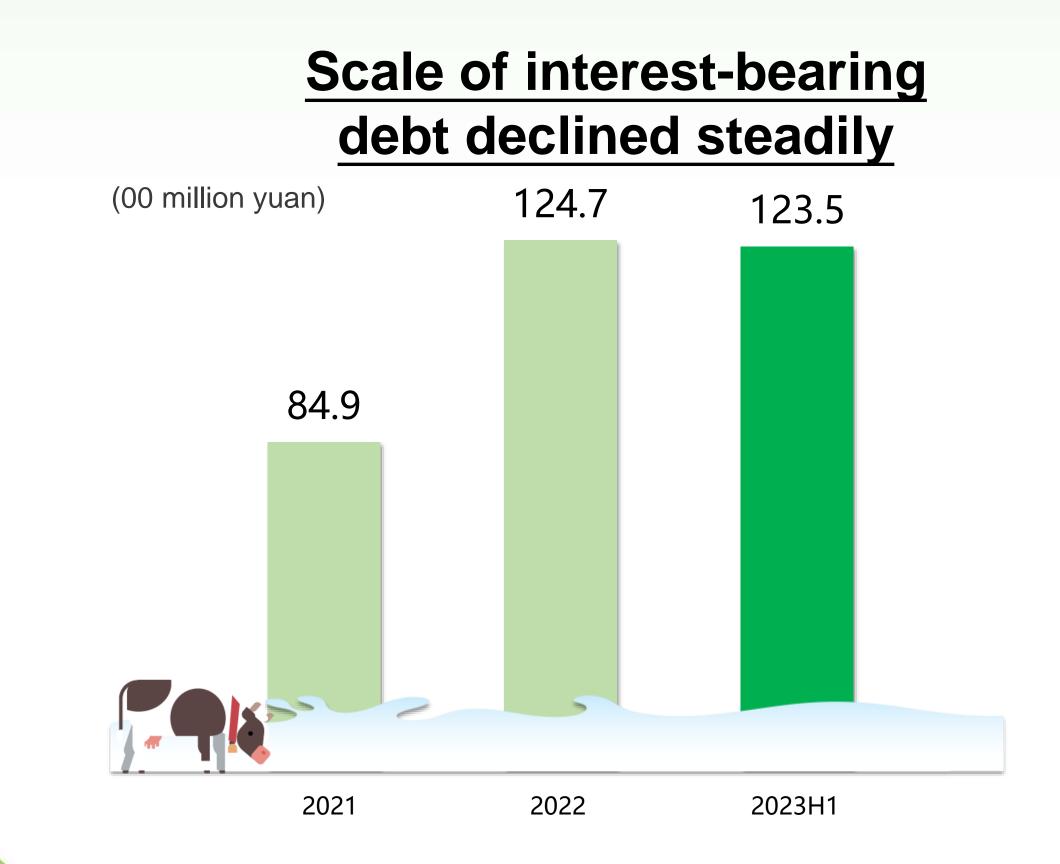
2021

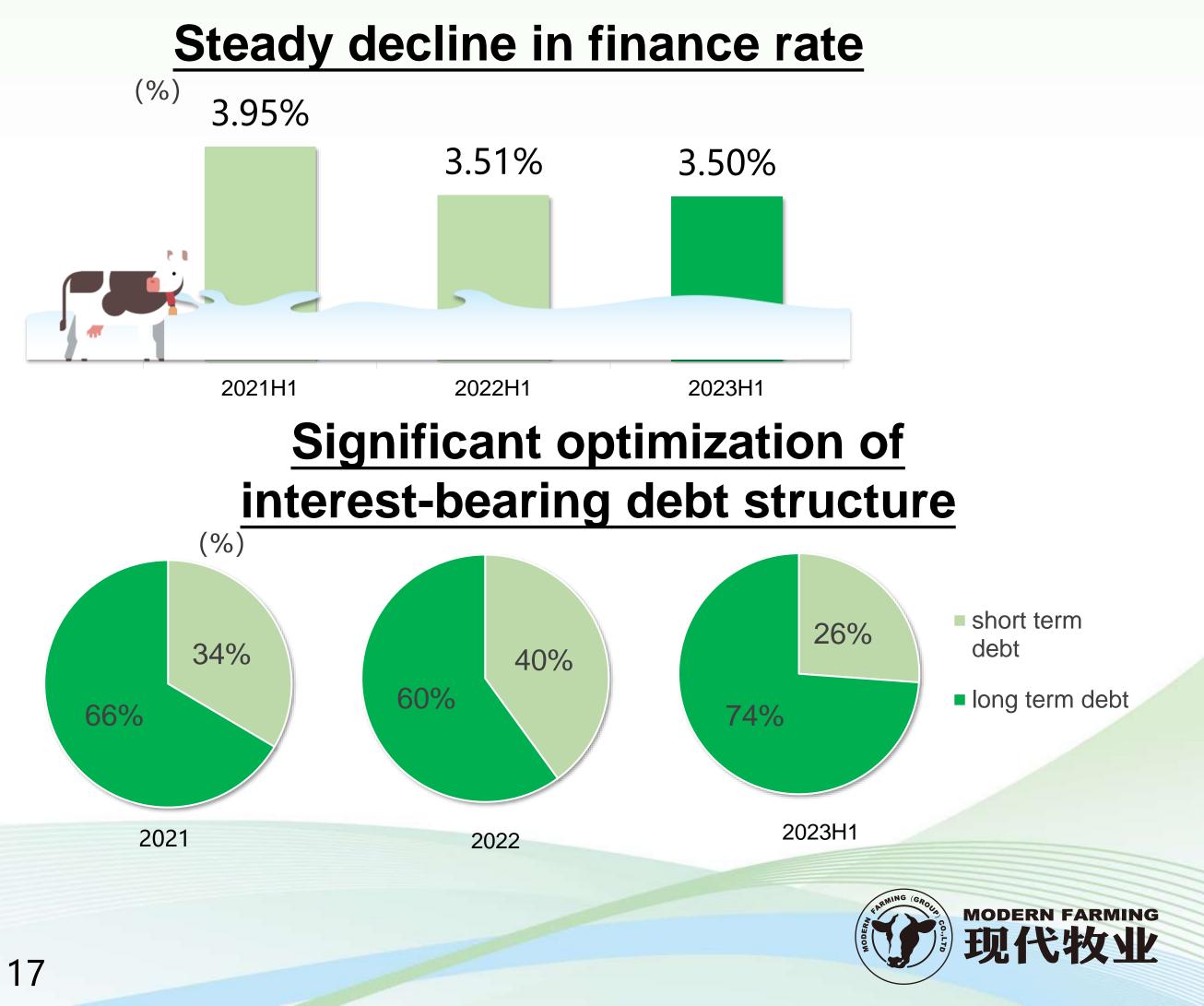
2023H1





Optimization of Interest-bearing Debt









Financial Results

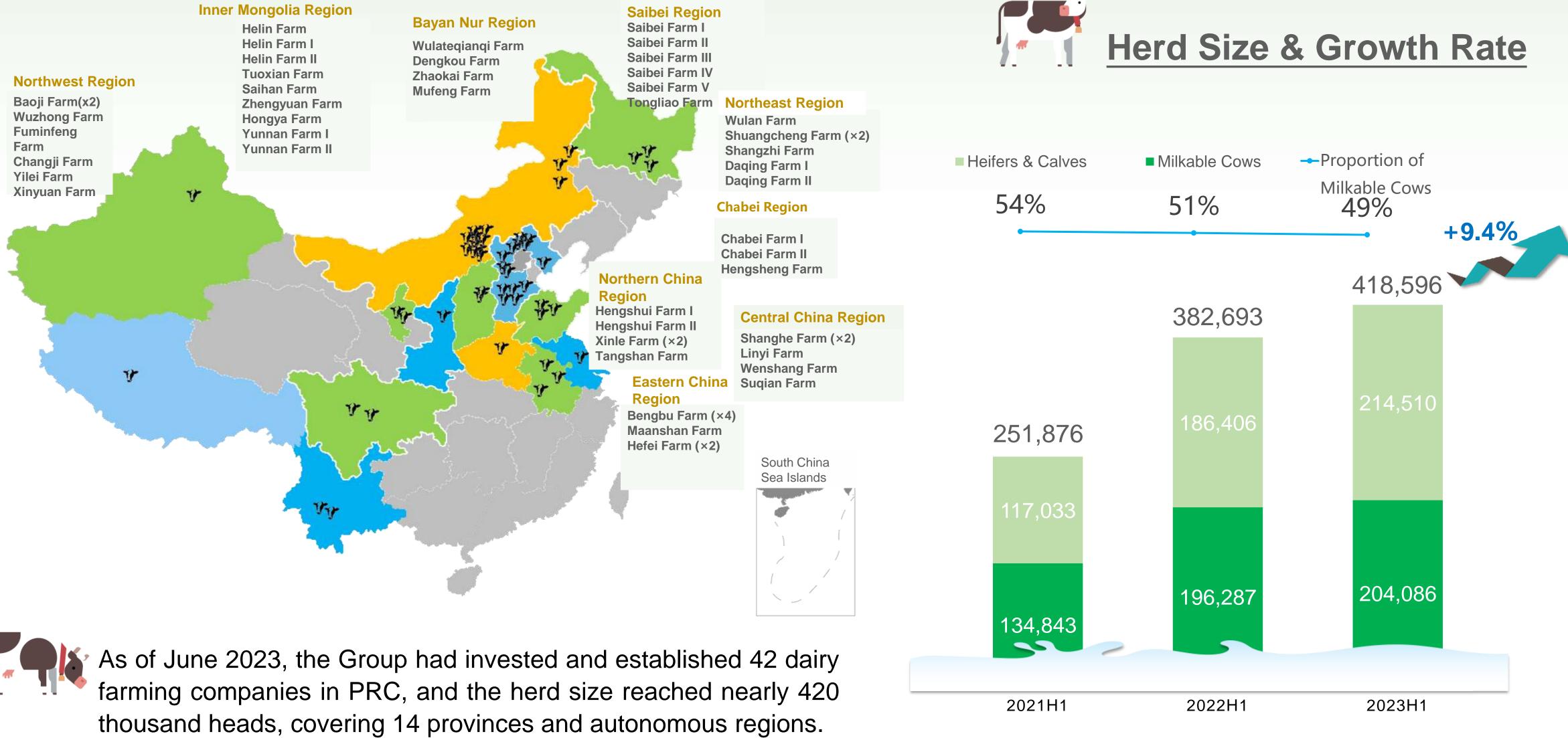
Business Updates

Industry Prospects





Farm Map and Herd Size













Five New Businesses Make Breakthrough Against the Trend



Liangyuan Technology

Sales in 1H of the year reached **RMB1.1** billion An increase of more than 30% year on year Leading the industry



Aiyangniu

Sales in 1H of the year reached **RMB500** million An increase of more than 50% year on year Ranking 1st in domestic milk industry chain platforms

Modern Grassland

Create "Farm and Grass Plantation Cooperation Model of Modern Grassland"

Actual control of land resources of more than 110,000 acres "Modern Grassland" brand forage enters market



Modern Feed

Cumulative sales of 213,000 tons

in 1H of the year

Single-month sales up to 40,000

tons

An increase of 6 times year on

year

Rank 2nd in the dairy cow feed

industry in China



Meng Yuan Genetics

Cumulative sales of frozen semen in 1H of the year exceeded 60,000 **Self-developed "GenoBaits** Modern Bovine SNP Panel" cow genome liquid microarray Filling the gap of commercialized genomic microarrays for domestic milkable cows





Forage Segment | Guaranteeing the Sustainable **Development of Livestock Industry**

Liangyuan



Main products include feed ingredients, feed additives, premixes, imported forages, etc.

Own 5 production plants, 1 feed mill and 4 tablet plants in China

Full coverage of services in Northwest China, North China, East China and other major domestic raw milk production areas

Haykingdom

3 plants across the West Coast of the United States

Produce customized medium to high quality alfalfa grass

Global customer reach, exporting **250,000** tons of forage annually





Crops include corn silage, alfalfa grass, oat grass and various types of straw

1 forage demonstration park and over 110,000 acres of land resources

Establish a feed breeding company and 3 breeding bases

Establish 5 standardized forage processing plants, with 14 production lines and an annual supply of over **200,000** tons of processed forage

By comprehensive management of saline land, both the demand for forage in aquaculture and the green circular development are achieved

Modern Feed

High degree of integration of personnel from milk sources, COFCO factories and Modern Feed

Establish 100 core customer groups within 1-2 years





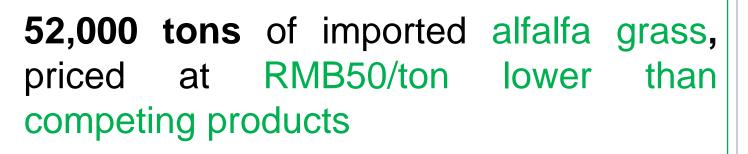
Digital platform | Transparent Procurement of Farm Supplies

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100,000 imported dairy cows 6000 imported embryo (USA)



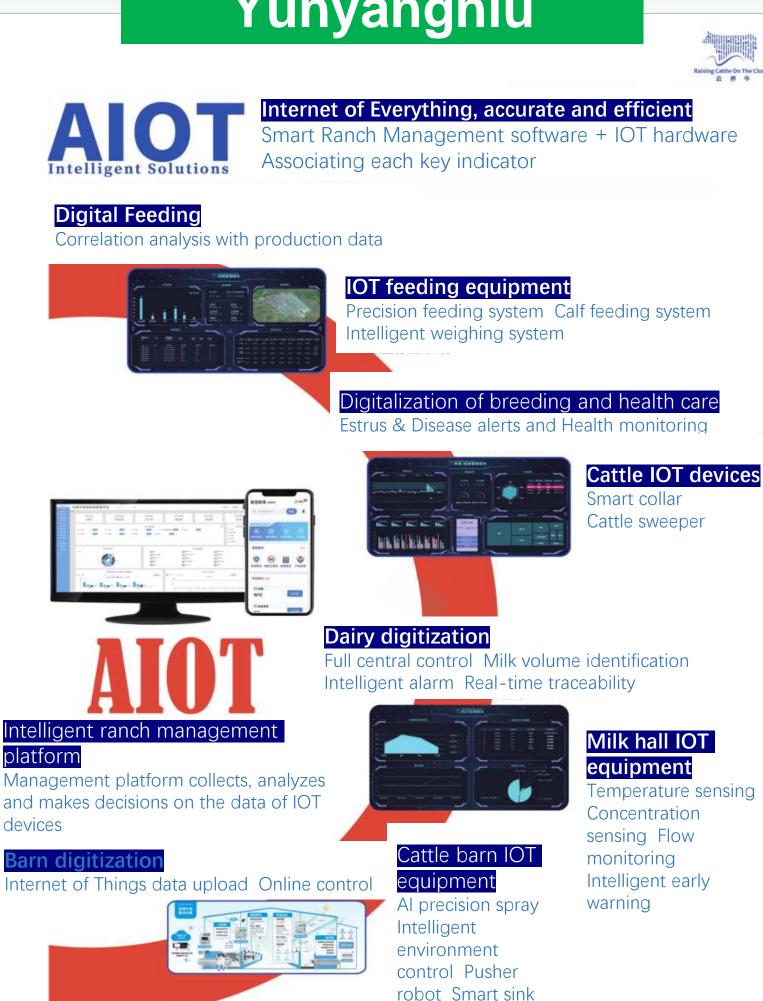
20,000 tons sugar beet meal, at RMB 400/ton lower than current market price



1500 units of major equipment 91% of overall funding for milking machine procurement



RMB1 billion supply chain finance lending **RMB470 million** of credit **10 kinds** of financial products



Yunyangniu



Aiyangniu

- Platform transaction volume reaches **RMB21.7 billion** in 1H2023, an increase of **89%** year-on-year;
- Aiyangniu contributes revenue approximately RMB500 million and net profit of **RMB20 million+** to the Group in 1H2023

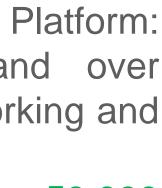
Yunyangniu

- Smart Management Farm covered nearly 400 farms and over **900,000** heads, creating a networking and sharing platform
- Smart Collar: application of over **50,000** sets of product in farms, to be the digital translator for cows

Roller shutter

system







Ecological Sustainable Development Carry out the Emission Reduction Practices of Greenhouse Gas with Continuous Reduction of Carbon Emission Intensity

In 2022, the annual power generation of biomass biogas was 124 million kWh, realising emission reduction of 70,000 tons by replacing fossil energy with biomass biogas.

Carry out the complementary strategic cooperation between farming and photovoltaic with third parties, and plan to lay 2 million m² of photovoltaic panels with an installed capacity of 500MW, and an annual green power generation of 600 million kWh.

Use new energy milk trucks to achieve low-carbon transportation of raw milk.







Social Sustainable Development: Implement ESG Concept

The manure resource utilization system of Modern Farming has been selected in the Report of the United Nations Global **Compact Organization as an excellent case of low-carbon** emission reduction

企业"碳中和"目标设定、 行动及全球合作

——践行全球发展倡议,加速 2030年可持续发展议程

4. 企业气候行动与全球合作

4.1 农业食品业

食品行业对于维系人类健康和福祉必不可少。农业相关

围三活动。

全球领先的农业食品企业从四个方向出发,向碳中和目标迈进

1. 内部运营环节减排

生产环 路的起点。

用。2021年,中国龙头乳业公司营生集团。 污水厂厌氧产生的沼气及可燃烧的生物质颗粒作为锅炉燃烧介质,代替天然气制产 蒸汽热力供给生产需要,年产蒸汽量约29万吨。截至2021年底,蒙牛可再生能源已 达年能耗总量的10%,实现年减排二氧化碳约8万吨(聚牛集团,2022)。







2023 S&P CSA's total score increased by 71%, 64% higher than the industry average score

China Modern Dairy Holdings Ltd. ESG Score Industry: FOA Food Products Location: People's Republic of China TICKER: 1117 China Modern Dairy Hldgs Ltd **ESG Score Result** Score History Y/Y Change: 15 Environmenta 36 China Modern Dairy Hldgs Ltd **32** | Industry Mean **21** | Industry Best **92** 2021 2022 China Modern Dairy Hldgs Ltd 30 | Industry Mean 21 | Industry Best 91 Governance & Economic China Modern Dairy Hldgs Ltd 46 | Industry Mean 23 | Industry Best 86

Last Updated: February 17, 2023. Updated annually or in response to major developments

Data Availability: **Medium**













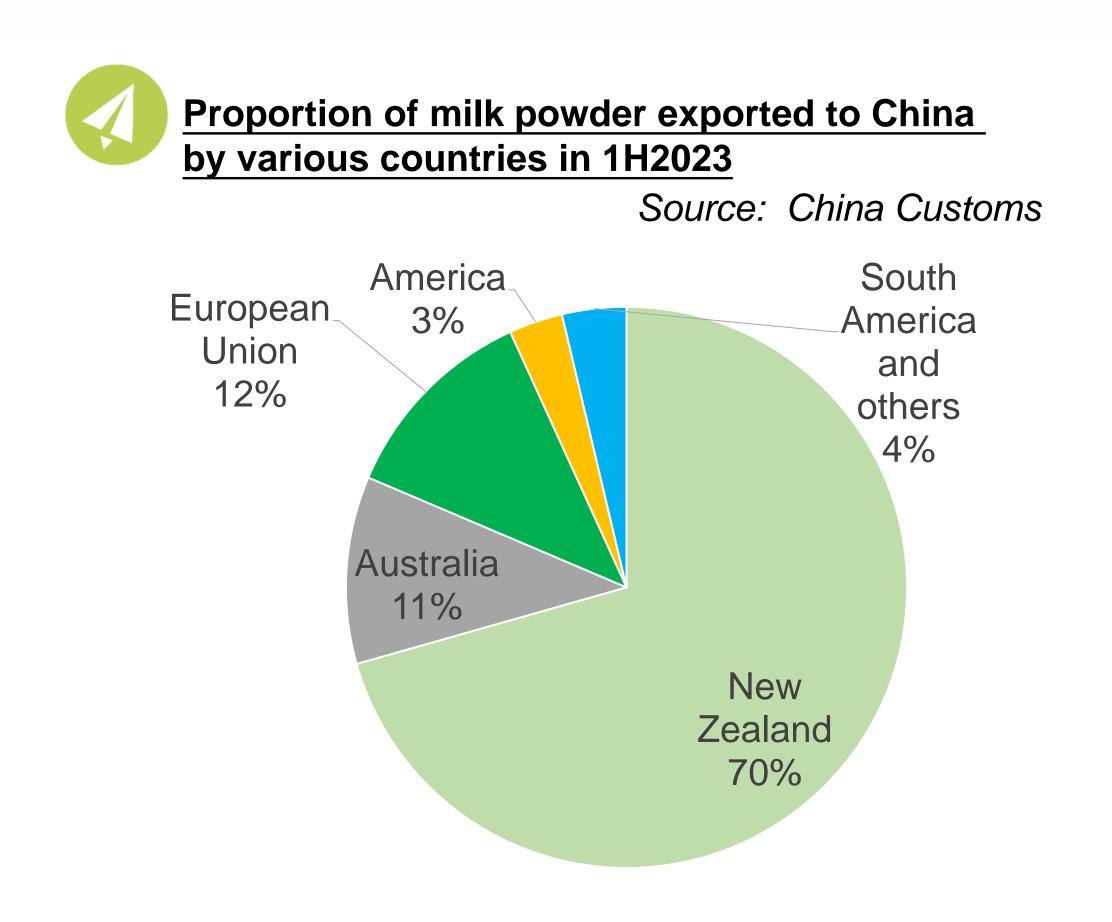
Business Updates

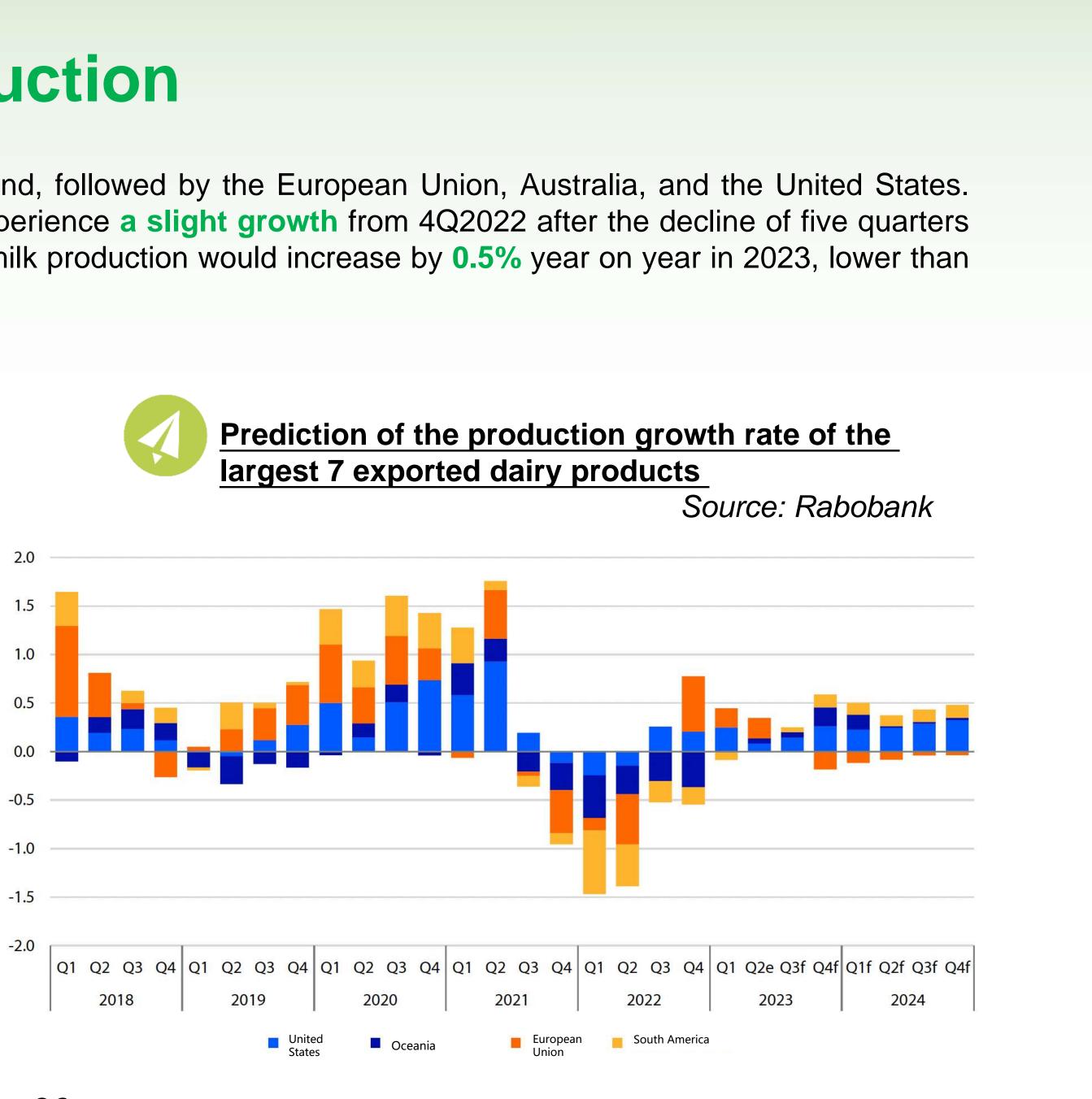
Industry Prospects

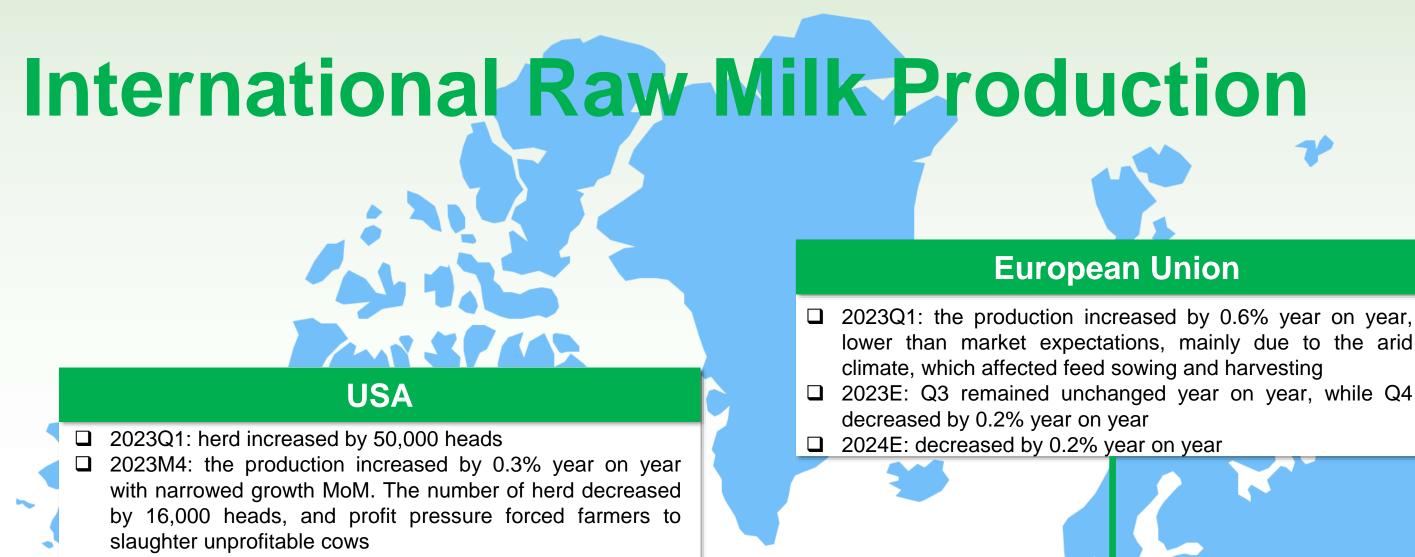


International Raw Milk Production

In 1H2023, China's milk powder mainly came from New Zealand, followed by the European Union, Australia, and the United States. Rabobank predicted international raw milk production would experience a slight growth from 4Q2022 after the decline of five quarters (compared to weaker comparable data), and international raw milk production would increase by 0.5% year on year in 2023, lower than expected, providing support for international milk prices.

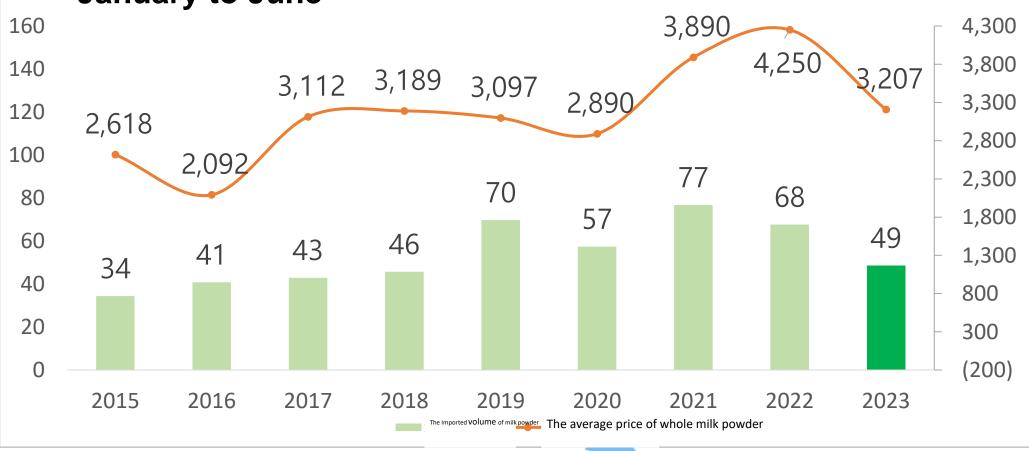






□ 2023E: a year-on-year growth of 0.7%





Source: Rabobank , USDA

European Union

- lower than market expectations, mainly due to the arid □ 2023E: Q3 remained unchanged year on year, while Q4

Australia

- □ 2023Q1: 5.9% decline YoY compared to 2022Q4
- □ 2023M4: production decreased by 1.7% year on year
- 2023E: remain stable
- □ 2024E: remain stable

New Zealand

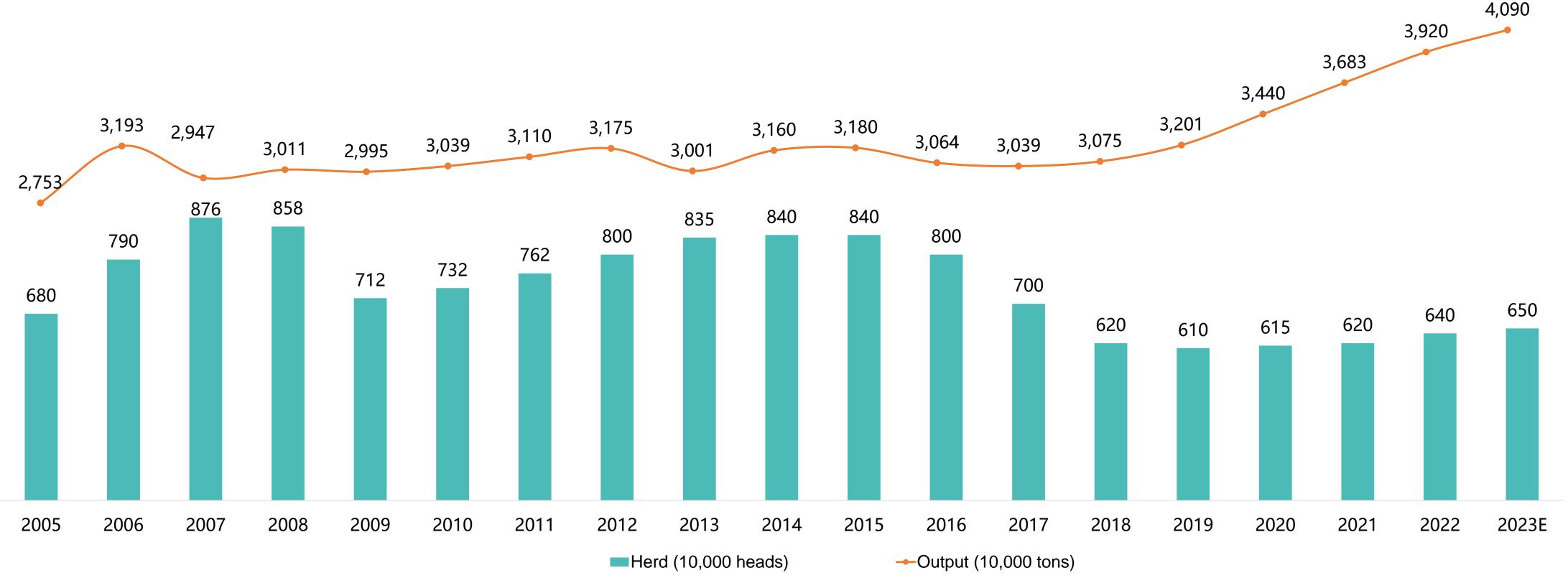
□ 2023E: increased by 1% year on year □ 2024E: increased by 1% year on year



Domestic Dairy Herd and Raw Milk Production

In 1H2023, the domestic raw milk production increased by 7.5% year on year. Rabobank predicted in 2H2023, the year-on-year growth rate would further slow down to 4% and annual production would increase by 5.1% year on year; the USDA predicted a yearon-year increase of 4.3% in production in 2023, with a slowdown in growth.

The USDA predicted China's dairy herd would be 6,500,000 heads in 2023, increasing by 1.6% year on year compared to the end of 2022.

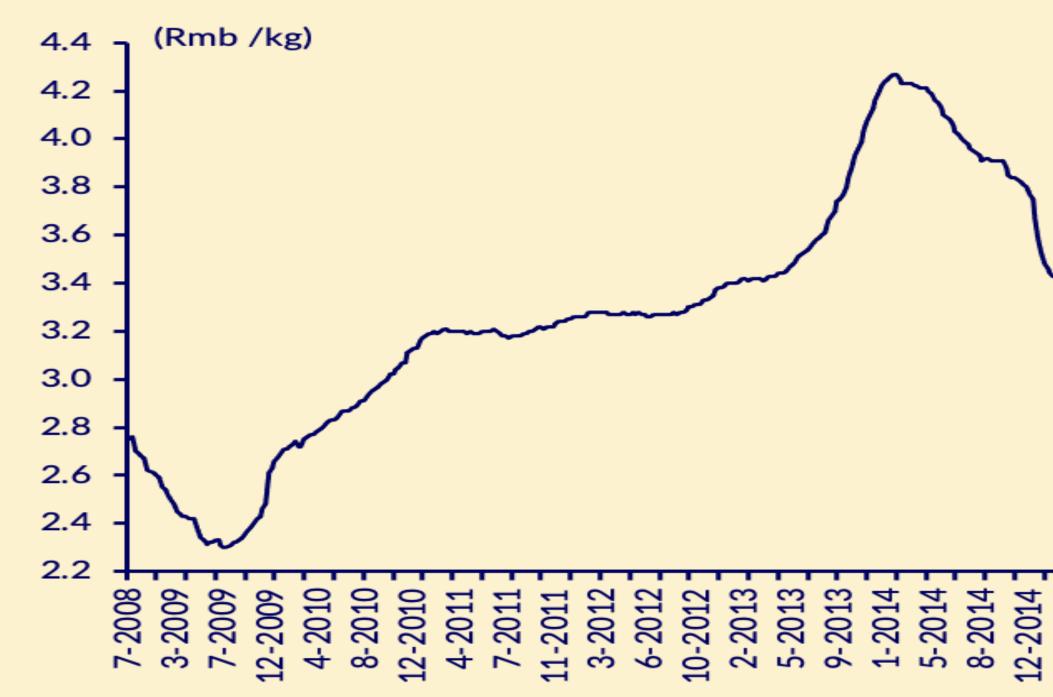


Source: USDA

Changes to Periodic Fluctuations in Milk Prices

The fluctuation of milk prices is mainly influenced by the supply and demand relationship. If demand does not recover as expected, the market will experience an oversupply situation, leading to a decrease in milk prices. This will cause tremendous pressure on small farms, forcing them to eliminate herds and even withdraw from market. Big farms take the opportunity to expand their scales, seize market share, and enhance competitiveness.

There is still a cycle in the upstream dairy industry, but due to the strengthened linkage between big dairy groups and downstream dairy enterprises, milk price fluctuation is more stable than in the market, with gradual weakening of cyclical nature.



Source: Ministry of Agriculture Rural Affairs

3-2020 7-2020 7-2015 3-2016 6-2016 1-2018 5-2018 8-2018 4-2019 7-2019 10-2020 4-2015 2-2017 12-2018 11-2019 2-2022 11-2015 10-2016 2-2021 6-2022 6-2021 9-2017 10-2021 5-2017





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