KUREHA CORPORATION

FY2021 3Q Results

KUREHA CORPORATION

February 4, 2022



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KUREHA CORPORATION

I. FY2021 3Q Results (Period April 1 – December 31, 2021)



FY2021 3Q Overview

(in billions of yen, except per-share value)

	FY2020 3Q	FY2021 3Q	Change YOY
Revenue	105.7	123.1	17.4 (+16.5%)
Core operating profit	14.6	17.9	3.3 (+22.5%)
Adjustments Other income Other expenses	0.0 0.5 0.6	0.1 0.7 0.5	0.0 0.2 -0.1
Operating profit	14.6	18.2	3.6 (+24.9%)
Financial income Financial expenses	0.5 0.2	0.5 0.1	-0.0 -0.0
Profit before income tax	14.9	18.5	3.6 (+24.4%)
Profit attributable to owners of Kureha Corp.	11.8	13.3	1.5 (+13.1%)
Basic profit per share	¥603.64	¥682.48	

Vs. FY2020 3Q

- Revenue growth driven by Advanced Materials, Specialty Chemicals and Specialty Plastics more than offsetting slower sales in Construction and Other Operations
- Higher core operating profit resulting from improved gains in Advanced Materials, Specialty Chemicals and Specialty Plastics, partially offset by a decline in Other Operations
- Operating profit increased as a result of higher core operating profit
- Profit attributable to the Company increased as a result of higher operating profit and profit before taxes

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FY2021 3Q Overview

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Segment performance (vs. FY2020 3Q)

(in billions of yen)

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Factors attributing to changes in operating profit

- AM: Higher sales volumes of PVDF, PPS and other plastic products
- SC: Higher organic chemicals volumes
- SP: Higher home products and fishing lines volumes
- CO: Impact of delays in civil engineering projects, partially offset by a higher number of construction projects in the private sector
- OO: Absence of post-typhoon waste treatment projects

FY2021 3Q Overview

KUREHA	CORPO	RATION

FY2020 3Q	AM	SC	SP	CO	00	Total
Revenue	31.2	17.6	32.7	9.3	14.9	105.7
Core operating profit	1.9	1.9	6.5	0.7	3.6	14.6
Intersegment adjustment						0.0
Other income						0.5
Other expenses						0.6
Operating profit						14.6
Finance income						0.5
Finance costs						0.2
Profit before income tax						14.9
Profit for the period						11.8

FY2021 3Q	AM	SC	SP	CO	00	Total
Revenue	45.0	20.6	35.3	8.5	13.7	123.1
Core operating profit	4.2	2.2	8.5	0.5	2.5	17.9
Intersegment adjustment						0.1
Other income						0.7
Other expenses						0.5
Operating profit						18.2
Finance income						0.5
Finance costs						0.1
Profit before income tax						18.5
Profit for the period						13.3

(in billions of yen)

Segment Results: Advanced Materials

(billions of yen)

	FY2020 3Q	FY2021 3Q	Change %
Advanced Materials			
Advanced plastics	20.1	30.9	+53%
Carbon products	3.8	4.4	+17%
Other	7.3	9.7	+32%
Segment revenue	31.2	45.0	+44%
Core operating profit	1.9	4.2	+119%

Vs. FY2020 3Q

Revenue 🕈 Operating Profit 🕈
Advanced plastics
<u>PPS: Revenue up, operating profit up</u>
Increased production capacity and sales
volume; an increase in equity in PPS-related
affiliate earnings
PVDF: Revenue up, operating profit up
Higher sales volume; improved production
volume for value-added specialty polymers;
pricing efforts to align with rising costs for
raw materials and fuels
PGA: Revenue up, operating profit down
Higher frac plug sales volume; increased
costs associated with the U.S. PGA
manufacturing plant (due to the lack of
production activity)
Carbon products
Revenue up, operating profit up
Increased carbon fiber volumes for
applications as automotive sliding materials

heat furnaces Other

<u>Revenue up, operating profit up</u> Higher sales volumes of plastic products manufactured by Group companies

and insulation materials for industrial high-

Segment Results: Specialty Chemicals

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(billions of yen)

	FY2020 3Q	FY2021 3Q	Change %
Specialty Chemicals			
Agrochemicals	5.6	6.3	+13%
Pharmaceuticals	3.1	3.4	+9%
Industrial chemicals	4.3	5.5	+27%
Other	4.6	5.4	+18%
Segment revenue	17.6	20.6	+17%
Core operating profit	1.9	2.2	+15%

Vs. FY2020 3Q

Revenue 🕈 Operating Profit 🕈					
Agrochemicals & Pharmaceuticals					
Ayrochennicais & Fharmaceuticais					
Revenue up, operating profit flat					
· · · • • ·					
Sales volume growth for agrochemical					
fungicides and a therapeutic agent for					
5 i 5					
chronic kidney failures ('Kremezin'); impact					
of mandatory drug price revisions; higher					
raw material costs					
Taw material COSIS					
Industrial chemicals					
Revenue up, operating loss narrowed					

<u>Revenue up, operating loss narrowed</u> Sales of organic chemicals and other key products recovered in the industries resuming production activities



Segment Results: Specialty Plastics

(billions of yen)

	FY2020 3Q	FY2021 3Q	Change %
Specialty Plastics			
Home products	17.5	18.8	+8%
Fiber products	2.9	3.5	+23%
Packaging materials	8.7	9.8	+12%
Other	3.5	3.1	-13%
Segment revenue	32.7	35.3	+8%
Core operating profit	6.5	8.5	+31%

Vs. FY2020 3Q

Revenue 🕇 Operating Profit 🕇
Home products & Fiber products
<u>Revenue up, operating profit up</u> Increased sales volumes of 'NEW Krewrap'
and 'Seaguar' fishing lines
Packaging materials
<u>Revenue up, operating profit up</u>
Revenue up, operating profit up Robust sales of PVDC film in Asia markets
Robust sales of PVDC film in Asia markets
Robust sales of PVDC film in Asia markets leading to profit growth; sales expansion of



Segment Results: Construction

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(billions of yen)

		FY2020 3Q	FY2021 3Q	Change %
Со	nstruction			
	Construction	14.5	13.4	-8%
	Elimination (Intercompany sale)	-5.2	-4.9	
	Segment revenue	9.3	8.5	-9%
	Core operating profit	0.7	0.5	-28%

Vs. FY2020 3Q



Construction

Lower revenue and profit impacted by delays in civil engineering projects, despite a higher number of construction projects in the private sector



Segment Results: Other Operations

(billions of yen)

	FY2020 3Q	FY2021 3Q	Change %
Other Operations			
Environmental engineering	10.9	9.9	-9%
Logistics	5.8	6.2	+7%
Hospital operations	3.0	3.1	+3%
Others	1.8	1.7	-3%
Elimination (Intercompany sale)	-6.5	-7.2	
Segment revenue	14.9	13.7	-8%
Core operating profit	3.6	2.5	-30%

Vs. FY2020 3Q

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Revenue Operating Profit	
Environmental engineering Lower revenue and profit impacted by t absence of post-typhoon waste treatme projects, despite volume growth for low- level PCB wastes treatment	ent
Logistics Revenue and operating profit remained prior year's levels	at
Hospital operations Revenue and operating profit remained prior year's levels	at



Financial Position

Assets

	Mar. 31 2021	Dec. 31 2021	Change
Cash and cash equivalents	17.8	22.2	4.3
Trade and other receivables	28.2	36.1	7.9
Inventories	36.5	36.2	-0.3
Other current assets	3.7	5.0	1.2
Total current assets	86.2	99.4	13.2
Property, plant and equipment	120.2	118.4	-1.8
Intangible assets	2.2	3.4	1.2
Investments and other assets	48.3	51.7	3.4

Total non-current assets	170.7	173.5	2.8
Total assets	256.9	272.9	16.0

Liabilities and Equity	y (billions of yen)			
	Mar. 31 2021	Dec. 31 2021	Change	
Trade and other payables	19.2	24.4	5.2	
Interest-bearing debt	29.5	28.4	-1.1	
Provisions	7.8	6.2	-1.6	
Other liabilities	14.9	16.0	1.1	
Total liabilities	71.4	75.1	3.7	
Shareholders' equity	18.2	18.2	-	
Capital surplus	14.9	14.7	-0.2	
Less: Treasury stock	-8.7	-8.7	-0.0	
Retained earnings	154.2	165.1	10.9	
Other components of equity	5.3	7.1	1.8	
Non-controlling interests	1.7	1.5	-0.2	
Total equity	185.5	197.9	12.3	
Total liabilities and equity	256.9	272.9	16.0	

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II. FY2021 Full-Year Forecast (Period April 1, 2021 – March 31, 2022)



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Notice: FY2021 financial forecast has been updated as of February 4, 2022.

(in billions of yen, except per-share values)

(III billions of yen, except per	share values,		
	FY2020	FY2021e	Change YOY
Revenue	144.6	166.0	21.4 (+14.8%)
Core operating profit	18.9	23.5	4.6 (+24.7%)
Adjustments	0.1		-0.1
Other income	0.9	0.8	-0.1
Other expenses	2.5	1.3	-1.2
Operating profit	17.3	23.0	5.7 (+33.2%)
Financial income	0.7	0.4	-0.3
Financial expenses	0.2	0.4	0.2
Profit before taxes	17.7	23.0	5.3 (+29.6%)
Profit attributable to owners of Kureha Corp.	13.5	16.5	3.0 (+22.3%)
Basic profit per share	¥691.33	¥845.40	
Interim dividend per share	¥85.0	¥85.0	
Year-end dividend per share	¥85.0	¥125.0	

Vs. FY2021

- Revenue expected to rise on higher sales volumes of PVDF, PPS, PGA, home products and fishing lines, despite slower sales in construction and environment businesses
- Higher core operating profit likely supported by Advanced Materials and Specialty Plastics, more than offsetting declines in environment and other businesses
- Operating profit to increase as a result of higher core operating profit
- Profit before taxes to increase as a result of higher operating profit
- Profit attributable to the Company to increase as a result of higher profit before taxes

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Segment performance (vs. FY2020)

(in billions of yen)

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FY2020: ¥144.6bn FY2021e: ¥166.0bn



Factors attributing to changes in operating profit

- AM: Continued strong demand for PVDF binder in the automotive sector, production and sales volume increase for PPS, sales volumes recovered for carbon fiber and other products in post-pandemic industries
- SC: Higher raw material cost, impact of mandatory drug price revisions
- SP: Sales volume growth for home-use wrap film and other plastic products
- CO: Fewer high-margin construction projects, intensifying market competition
- OO: Absence of post-typhoon waste treatment projects

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E V0000						
FY2020	AM	SC	SP	CO	00	Total
Revenue	44.5	23.5	42.4	13.9	20.3	144.6
Core operating profit	3.5	2.2	7.7	1.1	4.4	18.9
Intersegment adjustment						0.1

Intersegment adjustment
Other income
Other expenses
Operating profit
Finance income
Finance costs
Profit before income tax
Profit for the period

FY2021e	AM	SC	SP	СО	00	Total
Revenue	64.0	26.0	45.0	12.5	18.5	166.0
Core operating profit	9.0	1.7	9.5	0.7	2.6	23.5
Intersegment adjustment						
Other income						0.8
Other expenses						1.3
Operating profit						23.0
Finance income						0.4
Finance costs						0.4
Profit before income tax						23.0
Profit for the period						16.5

[FY2021e]

- Other expenses include an onetime increase in retirement benefit obligations (¥0.55bn)

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Segment performance (vs. Previous forecast)





Factors attributing to changes in operating profit

- AM: Higher sales volumes of PVDF, carbon fiber and other functional resin products
- SC: (No change from previous forecast)
- SP: Higher sales volumes of home products, fishing lines and packaging film
- CO: (No change from previous forecast)
- OO: (No change from previous forecast)

(in billions of yen)

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								(in billions of yen)
FY	2021e Previous forecast	AM	SC	SP	СО	00	Total	
	Revenue	60.0	25.0	44.0	12.5	18.5	160.0	
	Core operating profit	6.5	1.7	8.5	0.7	2.6	20.0	
	Intersegment adjustment						0.0	
	Other income						0.8	[Previous forecast]
	Other expenses						1.3	Other expenses include an
	Operating profit						19.5	one-time increase in retirement benefit obligations
	Finance income						0.5	(¥0.55bn)
	Finance costs						0.5	
	Profit before income tax						19.5	
	Profit for the period						14.0	

2021e Current forecast	AM	SC	SP	СО	00	Total
Revenue	64.0	26.0	45.0	12.5	18.5	166.0
Core operating profit	9.0	1.7	9.5	0.7	2.6	23.5
Intersegment adjustment						
Other income						0.8
Other expenses						1.3
Operating profit						23.0
Finance income						0.4
Finance costs						0.4
Profit before income tax						23.0
Profit for the period						16.5

(Current forecast) Other expenses include an one-time increase in retirement benefit obligations (¥0.55bn)

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III. Supplementary Materials



PVDF Business Updates

35 (¥ billion) 30 25 20 15 10 5 0 FY2016 FY2017 FY2018 FY2019 FY2020 FY2021e I iB binder application

PVDF: Revenue (FY2016 – 2021e)

LiB binder applicationOther applications

Production Enhancement Plans

Year	Capacity increase
FY2022	Increase production of specialty grade polymers at the Iwaki Factory (Nameplate capacity unchanged)
FY2024	Start up a new plant in Changshu, China (Capacity increase of 11,000tpa)

- A roughly 40% market share held by Kureha PVDF in the automotive cathode binder segment; primary customers including major Chinese and South Korean lithium-ion battery manufacturers
- Full-capacity production continuing at both Japan Iwaki Factory and China Changshu facility since mid 2020
 - The Changshu plant begins production and shipment of specialty PVDF polymers in May 2020
- FY2021business revenue and profit expected to increase vs. FY2020
 - Effective pricing efforts to reflect rising raw material cost, including price formula agreements signed by major customers
 - Increased production and sale of high value-added specialty polymers
 - Improved overall productivity
- Will complete upgrading the Iwaki plant and increase the production of specialty polymers in 4QFY2021, commercial operations scheduled to start in FY2022
- Kureha Group's total PVDF production capacity to reach 21,000tpa in FY2024
 - Will start up the 2nd PVDF plant (10,000tpa) in Changshu, China by Summer 2024

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PGA Business Updates

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PGA: Quarterly Revenue

Yearly Revenue (FY2016-2021e)



- · Shale oil and gas production activities are gradually returning in the post-pandemic economy
- Kureha continues to focus on expanding its frac plug market share in mid- and high-temperature shale fields by ways such as strategic pricing, product improvement and expanded sales of full-bore frac plugs, while also accelerating the development of new PGA plugs suitable for ultra low-temperature fields

Returning to Shareholders

Revised Forecast for FY2021 Dividend

- Kureha's basic policy regarding dividend distribution is to pay a steady dividend to shareholders over a long period of time, while strengthening the Company's financial structure to sustain long-term growth and future business development. Based on this policy, Kureha has maintained a consistent dividend payout over the years regardless of occasional swings in its financial performance.
- As the Company's current earnings forecast for FY2021 exceeds its previous forecast, which has been upwardly revised and announced on November 9, 2021, Kureha will raise the annual dividend to 210 yen, up from 185 yen of its most recent forecast.



Notes:

- Kureha conducted a ten-to-one share consolidation on October 1, 2016. All figures in this chart are presented on a post share consolidation basis for comparison purposes
- Accounting standards: Japanese GAAP (before and in FY2015); IFRS (in and after FY2016)
- Commemorative dividends of ¥10 are included in the annual dividends of FY2014 and FY2018
- Share repurchases completed: ¥3bn in FY2018, ¥5bn in FY2019





ESG Information

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Strengthening ESG management in line with the United Nations' Sustainable Development Goals and toward carbon neutrality is one of our priority measures in the 'Kureha's Challenge 2022' mid-term management plan (FY2021-2022).

Our initiatives and progress in the areas of climate change response, diversity in core human resources and Board Directors selection have been updated in our CSR Report and Corporate Governance Report published last year.



(1) Climate Change Response

Responding to climate change aimed at the achievement of net zero is a top priority challenge in the Kureha Group as well. Kureha Group has established a basic policy for climate change response and is addressing this challenge across the entire Group.

■ Target of GHG emissions reduction and Carbon Neutrality Project

In FY2020, the Company investigated the state of energy use and CO₂ emissions for the entire Group, estimated future energy demand, and conducted a survey to obtain information about the situation and various responses in the countries and regions where Group companies are located. Based on these investigations, the Company formulated CO₂ emissions reduction targets for FY2030.

In addition, due to the Japanese government's announcement of new GHG emissions reduction targets in April 2021, the Kureha Group also further reviewed its own CO₂ emissions reduction targets and decided to strengthen and accelerate its company-wide initiatives. To this end, a new Carbon Neutral Project was established in October 2021 as a company-wide project, under which initiatives for the Kureha Group to achieve carbon neutrality in 2050 are managed and promoted.

Disclosures under the TCFD or equivalent frameworks

Kureha has now commenced scenario analyses in line with the TCFD Recommendations. It is evaluating the climate change-related risks and opportunities for the Kureha Group, reflecting them in management strategies and risk management, identifying their financial impact, and proceeding with preparations for the appropriate disclosure of information.



*Business as usual

(2) Diversity in Core Human Resources

Policy, Targets

Ensuring Diversity in Promotion, etc. of Core Human Resources

- Kureha employs and promotes diverse human resources who have different knowledge and experiences, based on their personal attributes, including abilities and achievements, to meet management and business needs.
- It promotes personnel to management positions based on whether or not they will be able to sufficiently fulfill the roles and responsibilities required as executives or department managers, while taking diversity of human capital into account.

Status of and voluntary, measurable targets for ensuring diversity

Number of women employed for potential management positions

- Women, foreign nationals, and mid-career hires currently account for 5.4%, 0.4%, and 8.3% of management positions respectively in FY2021.
- To ensure diverse human capital, Kureha has set a target of 20% or more for the percentage of women recruited for career-track positions, and it will also strive to increase the percentages of women, foreign nationals, and mid-career hires in management positions to above the current levels.



and their representation in management (Kureha Corp.)

Numbers of total employees and those above manager levels (Kureha Corp., as of March 2021)

Employees	1,676 (367)
Managers	277 (15)

*Parenthesized numbers are female



(3) The Board of Directors

Policy & Procedure: Appointment of Directors

- The Board of Directors makes decisions on the appointment of Directors and Vice Presidents appropriately based on the evaluation of factors such as the Company's business performance while ensuring transparency and fairness of the Company's decision-making. When appointing Directors, achieving a balance of knowledge, abilities, and experience within the Board of Directors as a whole, as well as diversity and the maximum number of Directors are taken into account, with most emphasis being given to experience in corporate management.
- Based on the above policy, the Nomination Advisory Committee, non-mandatory advisory board to the Board of Directors deliberates on the appointment of Directors and Vice Presidents, and the chairperson of the Nomination Advisory Committee proposes to the Board of Directors the results of the review of the details for the resolution of the appointment.

View on the Balance between Knowledge, etc. of the Board of Directors and on Diversity & Board Size

- Based on the size and details of businesses of Kureha and Group companies, the Board of Directors consists of up to ten individuals, of which at least one-third shall be Independent Outside Directors.
- In appointing Directors, the Company places the highest priority on their experience in corporate management. And by creating a skills matrix that lists candidates' areas of expertise and experience, and combining different specialist areas and backgrounds, the Company comprehensively takes into account factors such as the balance of knowledge, skills and experience within the Board of Directors as a whole; its diversity including gender, international character, career background, and age aspects; and the appropriate size of the Board to make the final decision.

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(3) The Board of Directors

Nomination Advisory Committee and Remuneration Advisory Committee

- With regard to matters concerning the appointment and remuneration of the Chairman of the Board of Directors, President & Chief Executive Officer, Representative Director, Directors, Vice Presidents with Title, and Vice Presidents in order to ensure transparency in the decision-making process of the Board of Directors and strengthen accountability to stakeholders, Kureha established the Nomination Advisory Committee and the Remuneration Advisory Committee on June 26, 2018 as a non-mandatory advisory board to the Board of Directors.
- Each of the Committees consists of three or more Directors, the majority of whom are Outside Directors, and is chaired by an Outside Director.
- The Nomination Advisory Committee deliberates on matters concerning the appointment and dismissal of the Chairman of the Board of Directors, President & Chief Executive Officer, Representative Director, and Directors, candidates to succeed the President & Chief Executive Officer and plans for their training, and matters concerning the appointment and dismissal of Vice Presidents with Title and Vice Presidents, and reviews the details of matters to be referred for discussion and resolution at the Board of Directors.
- The Remuneration Advisory Committee deliberates on matters related to policies on the structures and systems of remuneration for Directors and Vice Presidents, the details of remuneration, etc. for individual Directors and other matters, and reviews the details of matters to be referred for discussion and resolution at the Board of Directors.



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Disclaimer

- This document is supplied to provide a deeper understanding of our company, and is not intended for soliciting investment or other actions.
- This document has been prepared by Kureha Corporation based on the information currently available and acquired by the Company. Actual performance may produce results that differ from the plans presented in this document due to unforeseeable events and factors.
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