

18 APRIL 2024

EQUITY RESEARCH - COMPANY REPORT

CHAROEN POKPHAND FOODS

THAILAND / FOOD & BEVERAGE

FINANSIA
FSS INTERNATIONAL INVESTMENT ADVISORY

FSSIA ESG rating ★★★★

CPF TB

BUY

FROM HOLD

TARGET PRICE	THB20.00
CLOSE	THB17.60
UP/DOWNSIDE	+13.6%
PRIOR TP	THB20.00
CHANGE IN TP	UNCHANGED
TP vs CONSENSUS	-9.2%

Thai pigs should turn profitable in 2Q24

- A strong recovery in the broiler unit in Thailand and swine in Vietnam should help mitigate some of the anticipated loss from Thai and Chinese swine unit in 1Q24.
- Bet on a turnaround into a profit in 2Q24 if Thai swine prices continue to rally.
- Raise to a BUY call on a higher upside and upcoming catalysts

Expect a lesser q-q loss in 1Q24

We expect an operating loss of THB3.7b in 1Q24, improving from the loss of THB10b in 4Q23 due to 1) a solid recovery in the broiler unit after export volume improved, supporting the 1Q24 average broiler price to THB41.7/kg., higher than raising costs of THB38-39 and 2) a sharp recovery in swine prices in Vietnam to 53,400 dong/kg., higher than raising costs of 45,000 dong, helping offset some of the anticipated loss from the swine unit in Thailand and China. In 1Q24, the average Thai swine price stood at THB62-63/kg., still lower than raising costs of THB68-70, while the average swine price in China was 14.5 RMB/kg., also lower than raising costs of 16.5 RMB due to oversupply.

Bet on a profit turnaround in 2Q24

According to the latest data, the 2QTD average swine price in Thailand increased by 5.6% q-q to THB66/kg., up in tandem with the published ex-farm swine price of the swine raisers association of Thailand, which gained by THB4/kg. in the middle of April. If it continues to rally towards raising costs of THB68-70, while other units improve from a high season for the broiler unit in Thailand, a recovery in the swine unit in Vietnam (while the swine unit in China continues to see a slow recovery due to oversupply), and a declining cost outlook due to lower feed costs, there is a high possibility that the core operation will turn profitable in 2Q24.

A bullish signal in the Thai swine price outlook

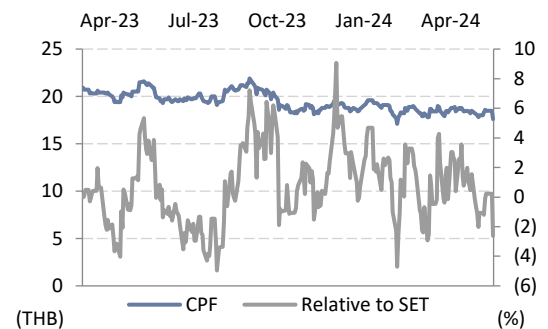
We remain optimistic that 2H24 meat prices will be better than 1H24, particularly Thai swine, due to improved demand and the impact of piglet supply cuts. As a result, the industry has slashed its Thai swine output forecast for 2024 to 18m heads, lower than 18.5m heads in 2023 and lower than its previous estimate for a rise to 19-20m heads, the level before ASF. Additionally, we anticipate swine prices in China to recover at a higher rate, leading to an equilibrium. Hence, we project the 2H24 profit to accelerate, in line with meat price recoveries. We maintain our forecast that CPF will post a core profit of THB8b in 2024 after its heavy loss in 2023, assuming an average Thai swine price of THB72/kg., and an average Thai broiler price of THB41/kg.

Raise to a BUY call on a higher upside and upcoming catalysts

We have increased our rating to BUY from HOLD at the same TP of THB20 (PE 17x, unchanged) after CPF decreased to where it now implies a higher upside of 13.6%. Also, we begin to see catalysts from meat price recoveries. Although CPF has postponed the spin-off plan of its subsidiaries in Thailand and Vietnam due to unfavorable market conditions, it should not hurt the liquidity since CPF had a net IBD/E ratio of 1.59x at the end of 2023, still lower than its debt covenant. Also, if the results recover as planned in 2H24, it will help improve the liquidity.

KEY STOCK DATA

YE Dec (THB m)	2023	2024E	2025E	2026E
Revenue	585,844	599,211	627,513	652,922
Net profit	(5,207)	10,082	11,557	13,253
EPS (THB)	(0.62)	1.20	1.37	1.58
vs Consensus (%)	-	90.2	28.3	19.7
EBITDA	31,556	50,089	53,477	55,544
Recurring net profit	(22,000)	8,282	11,557	13,253
Core EPS (THB)	(2.61)	0.98	1.37	1.58
Chg. In EPS est. (%)	nm	-	-	-
EPS growth (%)	nm	nm	39.5	14.7
Core P/E (x)	(6.7)	17.9	12.8	11.2
Dividend yield (%)	-	3.4	3.9	4.5
EV/EBITDA (x)	21.6	13.7	12.9	12.4
Price/book (x)	0.6	0.6	0.6	0.6
Net debt/Equity (%)	170.8	152.4	147.7	142.5
ROE (%)	(8.9)	3.4	4.7	5.3



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(4.3)	(4.9)	(15.0)
Relative to country (%)	(3.5)	(1.6)	(0.9)
Mkt cap (USD m)	3,942		
3m avg. daily turnover (USD m)	6.9		
Free float (%)	46		
Major shareholder	Charoen Pokphand Group (37%)		
12m high/low (THB)	22.10/17.00		
Issued shares (m)	8,413.57		

Sources: Bloomberg consensus; FSSIA estimates



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Investment thesis

CPF operates an integrated agro-industrial and food business under its “Kitchen of the World” vision for sustainable growth. The company owns production bases through investments and joint ventures in 17 countries and exports to over 40 countries. Since CPF starts from upstream, especially farming, which is highly volatile in line with meat prices and feed costs, its annual performance sharply fluctuates. For example, we expect CPF to report an operating loss in 2023 before turning into a profit in 2024 after meat prices improve.

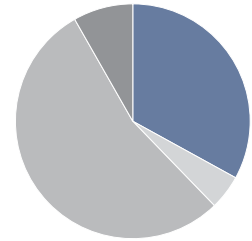
Company profile

Established in 1978 and listed on the Stock Exchange of Thailand in 1987, CPF operates a vertically integrated agro-industrial and food business, from upstream to downstream, covering livestock and aquaculture such as swine, broilers, layers, ducks, shrimp, and fish. As of end-2023, CPF generated revenue from three units, namely Feed, Farm, and Food, with a revenue mix of 23.4%/54.3%/22.3%, respectively.

www.cpfworldwide.com

Principal activities (revenue, 2023)

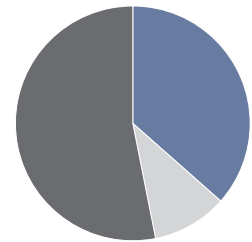
- Thailand livestock - 33.0 %
- Thailand aquatic - 4.8 %
- Overseas livestock - 54.0 %
- Overseas aquatic - 8.2 %



Source: Charoen Pokphand Foods

Major shareholders

- Charoen Pokphand Group - 36.5 %
- UBS AG London Branch - 10.4 %
- Others - 53.1 %



Source: Charoen Pokphand Foods

Catalysts

Potential drivers for CPF's earnings growth in 2024 are 1) sales volume growth after demand increases, 2) higher meat prices, 3) flat or declining feed costs, and 4) a higher-than-expected recovery of overseas associates and subsidiaries.

Risks to our call

Downside risks to our P/E-based TP include 1) slow purchasing power, 2) a slower-than-expected meat price recovery, 3) higher feed costs, 4) Baht strength, and 5) a minimum wage increase and labor shortages.

Event calendar

Date	Event
13 May 2024	1Q24 results announcement
14 May 2024	1Q24 analyst meeting

Key assumptions

	2024E	2025E	2026E
Broiler price-TH (THB)	41.0	42.0	43.0
Swine price-TH (THB)	72.0	72.0	72.0
Swine price-VN (VND)	52,000	52,000	52,000
Total revenue growth (%)	2.3	4.7	4.0
Gross margin (%)	12.1	12.3	12.3
SG&A to sales (%)	8.9	8.9	8.9

Source: FSSIA estimates

Earnings sensitivity

- For every 1% increase in 2024 revenue, we estimate net profit to rise by 4%, and vice versa, all else being equal.
- For every 0.1% increase in 2024 GPM, we estimate net profit to rise by 3.5%, and vice versa, all else being equal.
- For every 0.1% increase in 2024 SG&A to sales, we estimate net profit to fall by 4.4%, and vice versa, all else being equal.

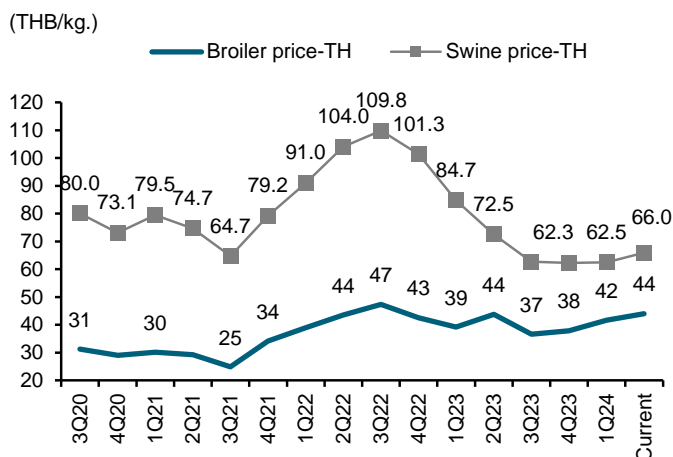
Source: FSSIA estimates

Exhibit 1: CPF – 1Q24 earnings preview

	1Q23	2Q23	3Q23	4Q23	1Q24E	----- Change -----		2023	2024E	Change
	(THB m)	(THB m)	(THB m)	(THB m)	(THB m)	(q-q%)	(y-y%)	(THB m)	(THB m)	(y-y%)
Sales	143,781	150,246	144,498	147,319	157,631	7.0	9.6	585,844	599,211	2.3
Cost of sales	128,202	133,750	128,940	133,750	141,080	5.5	10.0	524,643	526,706	0.4
Gross profit	15,579	16,496	15,558	13,569	16,551	22.0	6.2	61,201	72,505	18.5
SG&A	12,787	13,868	14,079	15,141	14,187	(6.3)	10.9	55,875	53,330	(4.6)
Operating profit	3,663	3,607	2,364	(3,200)	3,264	nm	(10.9)	6,435	23,968	272.5
Interest expense	6,068	6,157	6,377	6,903	7,020	1.7	15.7	25,506	24,633	(3.4)
Tax expense	429	123	(115)	163	150	(8.0)	(65.0)	600	448	(25.3)
Profit (loss) sharing	(1,088)	(893)	528	643	(320)	nm	nm	(810)	8,378	nm
Biological gain (loss)	(41)	1,616	319	(1,169)	1,000	nm	nm	724	500	(31.0)
Other gain (loss)	879	1,419	1,603	5,062	2,000	(60.5)	127.6	16,068	1,300	(91.9)
Reported net profit	(2,725)	(792)	(1,811)	121	(736)	nm	nm	(5,207)	10,082	nm
Core profit	(3,563)	(3,827)	(3,733)	(10,877)	(3,736)	nm	nm	(22,000)	8,282	nm
Key Ratios (%)						(ppt)	(ppt)			
Gross margin	10.8	11.0	10.8	9.2	10.5	1.3	(0.3)	10.4	12.1	1.7
SG&A to sales	8.9	9.2	9.7	10.3	9.0	(1.3)	0.1	9.5	8.9	(0.6)
Operating margin	2.5	2.4	1.6	(2.2)	2.1	4.2	(0.5)	1.1	4.0	2.9
Net margin	(1.9)	(0.5)	(1.3)	0.1	(0.5)	(0.5)	1.4	(0.9)	1.7	2.6
Core margin	(2.5)	(2.5)	(2.6)	(7.4)	(2.4)	5.0	0.1	(3.8)	1.4	5.1
Operating statistics (THB/kg)										
Broiler price-TH	39.2	43.8	36.6	37.9	41.7	10.0	6.4	39.5	41.0	3.9
Swine price-TH	84.7	72.5	62.7	62.3	62.5	0.3	(26.2)	70.5	72.0	2.1
Shrimp price 70 unit -TH	155.0	124.7	110.0	116.6	129.0	10.6	(16.8)	137.0	145.0	5.8
Corn price-TH	13.3	12.9	11.7	10.4	10.4	0.0	(21.8)	12.1	10.0	(17.0)
Soybean meal price-TH	24.0	23.4	21.5	22.0	22.7	3.2	(5.4)	22.7	20.5	(9.8)
Swine price-VN (VND/kg.)	50,045	55,095	57,023	47,082	53,400	13.4	6.7	52,311	55,000	5.1
Swine price-CH (RMB/kg.)	15.2	14.4	16.1	15.3	14.5	(5.2)	(4.6)	15.3	16.0	4.9

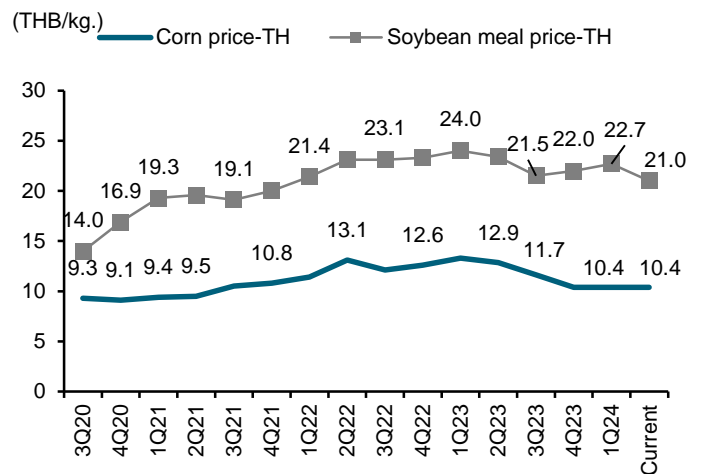
Sources: CPF, FSSIA estimates

Exhibit 2: Quarterly domestic meat prices



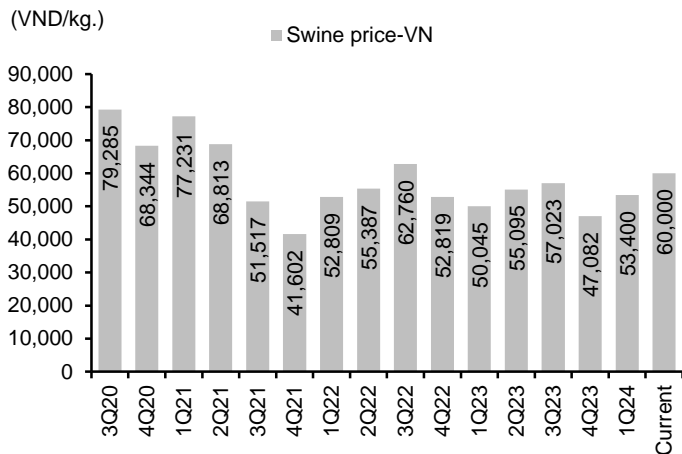
Source: CPF

Exhibit 3: Quarterly domestic raw material prices



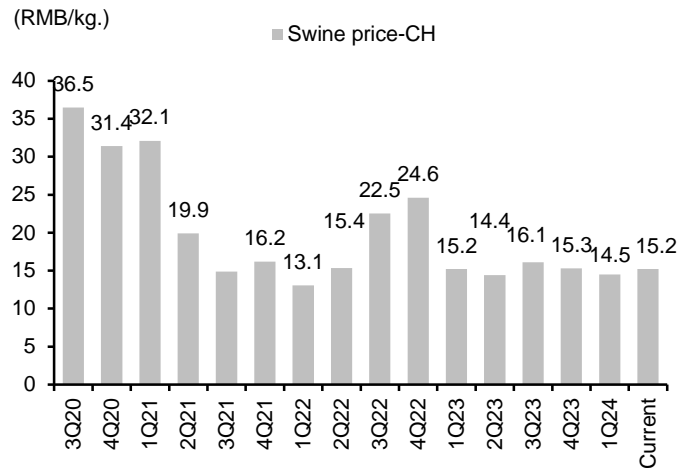
Source: CPF

Exhibit 4: Quarterly Vietnam's swine price



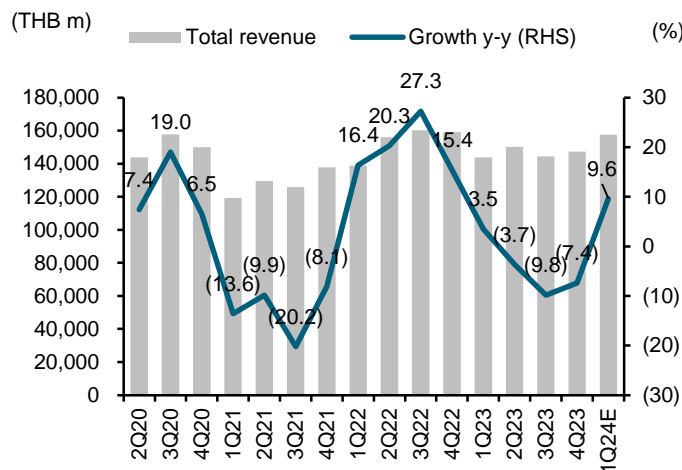
Source: CPF

Exhibit 5: Quarterly China's swine price



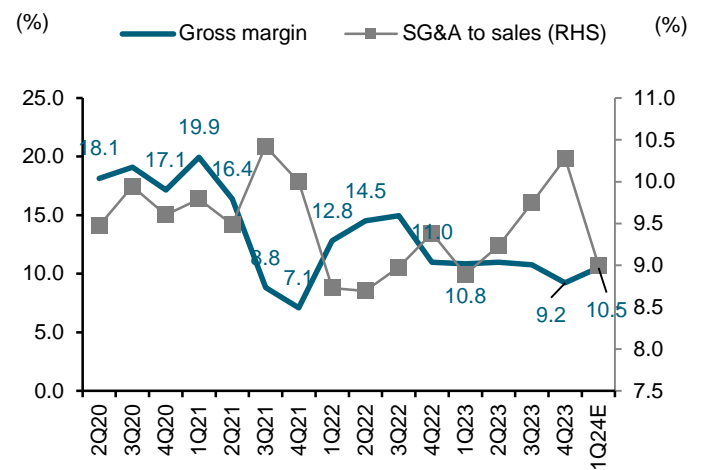
Source: CPF

Exhibit 6: Quarterly total revenue and growth



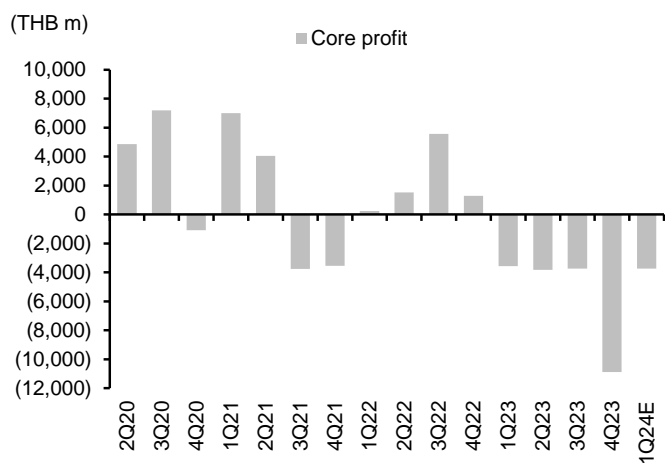
Sources: CPF, FSSIA estimates

Exhibit 7: Quarterly gross margin and SG&A to sales



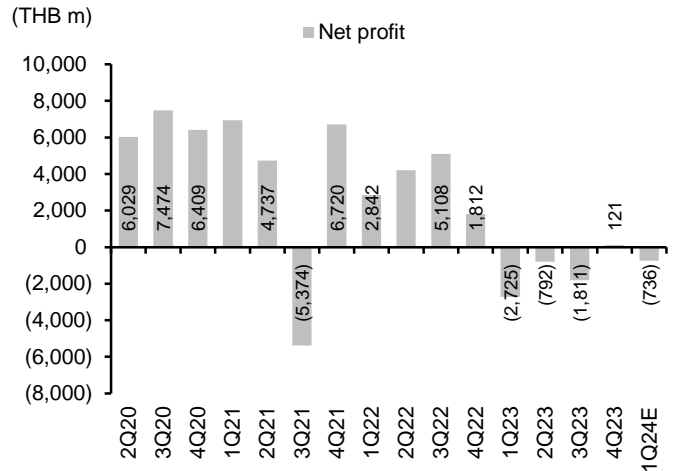
Sources: CPF, FSSIA estimates

Exhibit 8: Quarterly core profit



Sources: CPF, FSSIA estimates

Exhibit 9: Quarterly net profit



Sources: CPF, FSSIA estimates

Financial Statements

Charoen Pokphand Foods

Profit and Loss (THB m) Year Ending Dec	2022	2023	2024E	2025E	2026E
Revenue	614,197	585,844	599,211	627,513	652,922
Cost of goods sold	(532,324)	(524,643)	(526,706)	(550,329)	(572,613)
Gross profit	81,873	61,201	72,505	77,184	80,309
Other operating income	3,978	1,110	4,794	5,020	5,223
Operating costs	(55,001)	(55,875)	(53,330)	(55,849)	(58,110)
Operating EBITDA	63,057	31,556	50,089	53,477	55,544
Depreciation	(32,207)	(25,121)	(26,121)	(27,121)	(28,121)
Goodwill amortisation	0	0	0	0	0
Operating EBIT	30,850	6,435	23,968	26,356	27,423
Net financing costs	(19,515)	(24,348)	(23,376)	(23,883)	(24,059)
Associates	3,745	(810)	8,378	9,957	10,861
Recurring non-operating income	3,745	(810)	8,378	9,957	10,861
Non-recurring items	5,347	16,792	1,800	0	0
Profit before tax	20,427	(1,931)	10,770	12,429	14,225
Tax	(6,003)	(600)	(448)	(621)	(711)
Profit after tax	14,424	(2,531)	10,321	11,808	13,514
Minority interests	(454)	(2,676)	(240)	(251)	(261)
Preferred dividends	0	0	0	0	0
Other items	-	-	-	-	-
Reported net profit	13,970	(5,207)	10,082	11,557	13,253
Non-recurring items & goodwill (net)	(5,347)	(16,792)	(1,800)	0	0
Recurring net profit	8,623	(22,000)	8,282	11,557	13,253
Per share (THB)					
Recurring EPS *	1.09	(2.61)	0.98	1.37	1.58
Reported EPS	1.76	(0.62)	1.20	1.37	1.58
DPS	0.75	0.00	0.60	0.69	0.79
Diluted shares (used to calculate per share data)	7,936	8,414	8,414	8,414	8,414
Growth					
Revenue (%)	19.8	(4.6)	2.3	4.7	4.0
Operating EBITDA (%)	31.2	(50.0)	58.7	6.8	3.9
Operating EBIT (%)	61.1	(79.1)	272.5	10.0	4.0
Recurring EPS (%)	130.6	nm	nm	39.5	14.7
Reported EPS (%)	7.7	nm	nm	14.6	14.7
Operating performance					
Gross margin inc. depreciation (%)	13.3	10.4	12.1	12.3	12.3
Gross margin exc. depreciation (%)	18.6	14.7	16.5	16.6	16.6
Operating EBITDA margin (%)	10.3	5.4	8.4	8.5	8.5
Operating EBIT margin (%)	5.0	1.1	4.0	4.2	4.2
Net margin (%)	1.4	(3.8)	1.4	1.8	2.0
Effective tax rate (%)	29.4	-31.1	4.2	5.0	5.0
Dividend payout on recurring profit (%)	69.0	-	60.9	50.0	50.0
Interest cover (X)	1.8	0.2	1.4	1.5	1.6
Inventory days	57.1	55.7	56.9	61.8	61.9
Debtor days	24.3	26.7	27.6	28.7	28.8
Creditor days	34.8	32.0	31.7	36.0	36.1
Operating ROIC (%)	6.2	1.2	4.6	5.1	5.4
ROIC (%)	3.6	0.6	3.2	3.6	3.8
ROE (%)	3.6	(8.9)	3.4	4.7	5.3
ROA (%)	2.8	0.0	3.1	3.4	3.6
* Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Thailand livestock	195,358	193,310	202,299	213,266	226,471
Thailand aquatic	28,998	27,945	29,342	30,956	32,813
Overseas livestock	335,164	316,296	316,855	329,533	336,125
Overseas aquatic	54,677	48,293	50,715	53,758	57,513

Sources: Charoen Pokphand Foods; FSSIA estimates

Financial Statements

Charoen Pokphand Foods

Cash Flow (THB m) Year Ending Dec	2022	2023	2024E	2025E	2026E
Recurring net profit	8,623	(22,000)	8,282	11,557	13,253
Depreciation	32,207	25,121	26,121	27,121	28,121
Associates & minorities	-	-	-	-	-
Other non-cash items	(30,593)	3,360	12,863	(6,423)	(7,327)
Change in working capital	(11,702)	(3,219)	2,427	(5,454)	(4,971)
Cash flow from operations	(1,465)	3,262	49,692	26,801	29,076
Capex - maintenance	(51,354)	(17,771)	(21,683)	(20,000)	(20,000)
Capex - new investment	-	-	-	-	-
Net acquisitions & disposals	(1,758)	2,796	0	0	0
Other investments (net)	(5,173)	8,051	865	(1,132)	(1,016)
Cash flow from investing	(58,285)	(6,924)	(20,818)	(21,132)	(21,016)
Dividends paid	(5,808)	(13,027)	(5,041)	(5,778)	(6,626)
Equity finance	(818)	1,371	0	1	0
Debt finance	55,491	(2,424)	(22,450)	(2,700)	(5,120)
Other financing cash flows	6,821	9,783	(7,960)	849	762
Cash flow from financing	55,686	(4,298)	(35,451)	(7,628)	(10,984)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	(4,065)	(7,960)	(6,577)	(1,959)	(2,925)
Free cash flow to firm (FCFF)	(39,392.75)	21,844.06	53,507.01	30,656.85	33,271.38
Free cash flow to equity (FCFE)	2,561.44	3,696.24	(1,536.23)	3,817.87	3,701.93

Per share (THB)

FCFF per share	(4.68)	2.60	6.36	3.64	3.95
FCFE per share	0.30	0.44	(0.18)	0.45	0.44
Recurring cash flow per share	1.29	0.77	5.62	3.83	4.05

Balance Sheet (THB m) Year Ending Dec	2022	2023	2024E	2025E	2026E
Tangible fixed assets (gross)	344,753	325,762	320,641	314,520	307,399
Less: Accumulated depreciation	(32,207)	(25,121)	(26,121)	(27,121)	(28,121)
Tangible fixed assets (net)	312,545	300,641	294,520	287,399	279,278
Intangible fixed assets (net)	76,224	73,428	73,428	73,428	73,428
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	272,055	272,548	280,926	290,882	301,744
Cash & equivalents	36,215	28,255	21,677	19,718	16,794
A/C receivable	43,221	42,351	48,265	50,545	52,592
Inventories	83,080	69,508	86,582	90,465	94,128
Other current assets	70,703	69,002	59,921	62,751	65,292
Current assets	233,219	209,116	216,446	223,479	228,805
Other assets	32,944	31,485	31,868	33,001	34,017
Total assets	926,987	887,218	897,188	908,189	917,272
Common equity	256,053	239,416	242,723	248,502	255,128
Minorities etc.	43,791	45,617	66,357	69,891	73,425
Total shareholders' equity	299,844	285,033	309,080	318,393	328,553
Long term debt	332,081	316,785	314,285	316,985	314,485
Other long-term liabilities	28,085	25,936	17,976	18,825	19,588
Long-term liabilities	360,166	342,722	332,262	335,811	334,073
A/C payable	50,964	36,527	50,506	52,771	54,908
Short term debt	186,478	198,326	178,376	172,976	170,356
Other current liabilities	29,536	24,610	26,964	28,238	29,382
Current liabilities	266,978	259,463	255,847	253,985	254,646
Total liabilities and shareholders' equity	926,987	887,218	897,188	908,189	917,272
Net working capital	116,505	119,724	117,298	122,752	127,722
Invested capital	810,273	797,826	798,040	807,462	816,189

* Includes convertibles and preferred stock which is being treated as debt

Per share (THB)

Book value per share	32.26	28.46	28.85	29.54	30.32
Tangible book value per share	22.66	19.73	20.12	20.81	21.60

Financial strength

Net debt/equity (%)	160.9	170.8	152.4	147.7	142.5
Net debt/total assets (%)	52.0	54.9	52.5	51.8	51.0
Current ratio (x)	0.9	0.8	0.8	0.9	0.9
CF interest cover (x)	1.1	1.2	0.9	1.2	1.2

Valuation	2022	2023	2024E	2025E	2026E
Recurring P/E (x) *	16.2	(6.7)	17.9	12.8	11.2
Recurring P/E @ target price (x) *	18.4	(7.6)	20.3	14.6	12.7
Reported P/E (x)	10.0	(28.4)	14.7	12.8	11.2
Dividend yield (%)	4.3	-	3.4	3.9	4.5
Price/book (x)	0.5	0.6	0.6	0.6	0.6
Price/tangible book (x)	0.8	0.9	0.9	0.8	0.8
EV/EBITDA (x) **	10.6	21.6	13.7	12.9	12.4
EV/EBITDA @ target price (x) **	10.9	22.2	14.1	13.2	12.8
EV/invested capital (x)	0.8	0.9	0.9	0.9	0.8

* Pre-exceptional, pre-goodwill and fully diluted ** EBITDA includes associate income and recurring non-operating income

Sources: Charoen Pokphand Foods; FSSIA estimates

Charoen Pokphand Foods PCL (CPF TB)

FSSIA ESG rating

78.94 /100
Exhibit 10: FSSIA ESG score implication

Rating	Score	Implication
★★★★★	>79-100	Leading its industry peers in managing the most significant ESG risks which not only better cost efficiency but also lead to higher profitability.
★★★★★	>59-79	A mixed track record of managing the most significant ESG risks and opportunities relative to industry peers.
★★★	>39-59	Relevant ESG materiality matrix has been constructively addressed, well-managed and incorporated into day-to-day operations, in which targets and achievements are evaluated annually.
★★	>19-39	Relevant ESG materiality matrix has been identified with key management in charge for progress to be followed up on and to provide intensive disclosure. Most targets are conventional and achievable.
★	1-19	The company has adopted the United Nations Sustainable Development Goals (UN SDGs), established sustainability management guidelines and fully complies with regulations or ESG suggested guidance from related organizations such as the SET and SEC.

Sources: FSSIA estimates

Exhibit 11: ESG – peer comparison

	FSSIA ESG score	Domestic ratings						Global ratings						Bloomberg	
		DJSI	SET THSI	THSI	CG score	AGM level	Thai CAC	Morningstar ESG risk	ESG Book	MSCI	Moody's	Refinitiv	S&P Global	ESG score	Disclosure score
SET100	69.20	5.34	4.40	4.40	4.76	4.65	3.84	Medium	51.76	BBB	20.87	58.72	63.91	3.72	28.17
Coverage	67.12	5.11	4.15	4.17	4.83	4.71	3.53	Medium	52.04	BB	16.97	56.85	62.09	3.40	31.94
BTG	8.00	--	--	--	--	--	Declared	--	--	--	--	--	--	--	--
CPF	78.94	Y	Y	Y	5.00	5.00	Certified	High	50.25	BBB	43.00	70.21	85.00	4.08	62.09
GFPT	53.67	--	Y	Y	5.00	5.00	Certified	High	56.79	--	--	61.87	19.00	--	54.18
TU	68.12	Y	--	--	5.00	5.00	Certified	High	44.49	A	35.00	66.15	87.00	2.99	--
TFG	33.01	--	--	Y	4.00	5.00	Certified	High	--	--	--	42.11	--	--	--

Sources: [SETTRADE.com](https://www.settrade.com); FSSIA's compilation
Exhibit 12: ESG score by Bloomberg

FY ending Dec 31	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
ESG financial materiality scores - ESG score	2.23	2.57	2.01	2.32	4.20	3.82	4.28	4.08
BESG environmental pillar score	2.50	2.50	1.35	1.44	5.60	4.55	5.50	4.49
BESG social pillar score	0.91	1.77	1.49	2.38	3.05	2.82	3.14	3.29
BESG governance pillar score	3.49	3.59	3.67	3.65	3.68	3.94	3.97	4.36
ESG disclosure score	51.20	51.20	46.05	46.05	55.11	52.85	54.23	62.09
Environmental disclosure score	35.00	35.00	17.97	17.97	41.53	38.15	38.15	51.98
Social disclosure score	31.11	31.11	32.68	32.68	36.31	32.92	37.06	44.32
Governance disclosure score	87.36	87.36	87.36	87.36	87.36	87.36	87.36	89.86
Environmental								
Emissions reduction initiatives	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Climate change policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Climate change opportunities discussed	No	No	No	No	No	No	No	No
Risks of climate change discussed	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GHG scope 1	220	240	—	—	250	238	222	288
GHG scope 2 location-based	660	670	—	—	590	647	641	1,154
GHG Scope 3	—	—	—	—	—	3,565	4,132	4,412
Carbon per unit of production	—	—	—	—	—	—	—	—
Biodiversity policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Energy efficiency policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Total energy consumption	2,883	2,664	—	—	3,072	2,296	2,284	4,881
Renewable energy use	678	550	—	—	800	—	—	1,503
Electricity used	1,133	1,211	—	—	—	1,353	1,395	2,243
Fuel used - natural gas	—	—	—	—	36,310	1,315,790	1,221,200	1,503,630

Sources: Bloomberg; FSSIA's compilation

Exhibit 13: ESG score by Bloomberg (cont.)

FY ending Dec 31	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Fuel used - crude oil/diesel	No	No	No	No	No	No	No	No
Waste reduction policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hazardous waste	1	1	—	—	—	1	1	1
Total waste	440	440	—	—	920	463	456	636
Waste recycled	—	—	—	—	27	—	—	42
Waste sent to landfills	—	—	—	—	—	—	—	74
Environmental supply chain management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Water policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Water consumption	—	—	—	—	—	6,670	6,033	106,500
Social								
Human rights policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Policy against child labor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Quality assurance and recall policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Consumer data protection policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Equal opportunity policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Gender pay gap breakout	No	No	No	No	No	No	No	No
Pct women in workforce	59	51	51	52	52	42	44	45
Pct disabled in workforce	—	—	1	1	1	—	1	0
Business ethics policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Anti-bribery ethics policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Health and safety policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lost time incident rate - employees	—	—	—	—	0	0	0	1
Total recordable incident rate - employees	—	—	—	—	—	—	—	—
Training policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fair remuneration policy	No	No	No	No	No	No	No	No
Number of employees – CSR	78,993	66,087	71,131	72,319	73,941	71,318	128,548	135,284
Employee turnover pct	30	19	18	20	34	—	13	11
Total hours spent by firm - employee training	1,125,050	985,230	1,138,100	1,012,470	887,292	2,781,400	1,331,690	1,772,550
Social supply chain management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Governance								
Board size	15	15	15	15	15	15	15	15
No. of independent directors (ID)	5	5	5	5	5	5	6	5
No. of women on board	1	2	2	2	2	2	2	2
No. of non-executive directors on board	10	10	10	10	9	9	9	10
Company conducts board evaluations	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
No. of board meetings for the year	10	11	9	7	7	13	11	9
Board meeting attendance pct	93	96	87	96	94	96	99	99
Board duration (years)	3	3	3	3	3	3	3	3
Director share ownership guidelines	No	No	No	No	No	No	No	No
Age of the youngest director	65	61	62	63	58	53	53	53
Age of the oldest director	80	80	82	83	81	82	76	76
No. of executives / company managers	13	14	17	7	11	9	21	27
No. of female executives	2	2	2	1	2	2	2	6
Executive share ownership guidelines	No	No	No	No	No	No	No	No
Size of audit committee	5	4	4	4	4	4	4	4
No. of ID on audit committee	5	4	4	4	4	4	4	4
Audit committee meetings	9	10	8	9	9	10	11	8
Audit meeting attendance %	93	95	91	94	100	98	100	100
Size of compensation committee	3	3	3	3	4	4	4	4
No. of ID on compensation committee	2	2	2	2	2	2	2	2
No. of compensation committee meetings	1	3	2	2	2	3	3	3
Compensation meeting attendance %	100	100	100	100	100	92	100	100
Size of nomination committee	3	3	3	3	4	4	4	4
No. of nomination committee meetings	1	3	2	2	2	3	3	3
Nomination meeting attendance %	100	100	100	100	100	92	100	100
Sustainability governance								
Verification type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Sources: Bloomberg; FSSIA's compilation

Disclaimer for ESG scoring

ESG score	Methodology	Rating																			
The Dow Jones Sustainability Indices (DJSI) By S&P Global	The DJSI World applies a transparent, rules-based component selection process based on the companies' Total Sustainability Scores resulting from the annual S&P Global Corporate Sustainability Assessment (CSA). Only the top-ranked companies within each industry are selected for inclusion.	Be a member and invited to the annual S&P Global Corporate Sustainability Assessment (CSA) for DJSI. Companies with an S&P Global ESG Score of less than 45% of the S&P Global ESG Score of the highest scoring company are disqualified. The constituents of the DJSI indices are selected from the Eligible Universe.																			
Sustainability Investment List (THSI) by The Stock Exchange of Thailand (SET)	THSI quantifies responsibility in Environmental and Social issues by managing business with transparency in Governance, updated annually. Candidates must pass the preemptive criteria, with two crucial conditions: 1) no irregular trading of the board members and executives; and 2) free float of >150 shareholders, and combined holding must be >15% of paid-up capital. Some key disqualifying criteria include: 1) CG score of below 70%; 2) independent directors and free float violation; 3) executives' wrongdoing related to CG, social & environmental impacts; 4) equity in negative territory; and 5) earnings in red for > 3 years in the last 5 years.	To be eligible for THSI inclusion , verified data must be scored at a minimum of 50% for each indicator, unless the company is a part of DJSI during the assessment year. The scoring will be fairly weighted against the nature of the relevant industry and materiality. SETTHSI Index is extended from the THSI companies whose 1) market capitalization > THB5b (~USD150b); 2) free float >20%; and 3) liquidity >0.5% of paid-up capital for at least 9 out of 12 months. The SETTHSI Index is a market capitalisation-weighted index, cap 5% quarterly weight at maximum, and no cap for number of stocks.																			
CG Score by Thai Institute of Directors Association (Thai IOD)	An indicator of CG strength in sustainable development, measured annually by the Thai IOD, with support from the Stock Exchange of Thailand (SET). The results are from the perspective of a third party, not an evaluation of operations.	Scores are rated in six categories: 5 for Excellent (90-100), 4 for Very Good (80-89), 3 for Good (70-79), 2 for Fair (60-69), 1 for Pass (60-69), and not rated for scores below 50. Weightings include: 1) the rights; 2) and equitable treatment of shareholders (weight 25% combined); 3) the role of stakeholders (25%); 4) disclosure & transparency (15%); and 5) board responsibilities (35%).																			
AGM level By Thai Investors Association (TIA) with support from the SEC	It quantifies the extent to which shareholders' rights and equitable treatment are incorporated into business operations and information is transparent and sufficiently disclosed. All form important elements of two out of five the CG components to be evaluated annually. The assessment criteria cover AGM procedures before the meeting (45%), at the meeting date (45%), and after the meeting (10%). (The first assesses 1) advance circulation of sufficient information for voting; and 2) facilitating how voting rights can be exercised. The second assesses 1) the ease of attending meetings; 2) transparency and verifiability; and 3) openness for Q&A. The third involves the meeting minutes that should contain discussion issues, resolutions and voting results.)	The scores are classified into four categories: 5 for Excellent (100), 4 for Very Good (90-99), 3 for Fair (80-89), and not rated for scores below 79.																			
Thai CAC By Thai Private Sector Collective Action Against Corruption (CAC)	The core elements of the Checklist include corruption risk assessment, establishment of key controls, and the monitoring and developing of policies. The Certification is good for three years. (Companies deciding to become a CAC certified member start by submitting a Declaration of Intent to kick off an 18-month deadline to submit the CAC Checklist for Certification, including risk assessment, in place of policy and control, training of managers and employees, establishment of whistleblowing channels, and communication of policies to all stakeholders.)	The document will be reviewed by a committee of nine professionals. A passed Checklist will move for granting certification by the CAC Council approvals whose members are twelve highly respected individuals in professionalism and ethical achievements.																			
Morningstar Sustainalytics	The Sustainalytics' ESG risk rating provides an overall company score based on an assessment of how much of a company's exposure to ESG risk is unmanaged. Sources to be reviewed include corporate publications and regulatory filings, news and other media, NGO reports/websites, multi-sector information, company feedback, ESG controversies, issuer feedback on draft ESG reports, and quality & peer reviews.	A company's ESG risk rating score is the sum of unmanaged risk. The more risk is unmanaged, the higher ESG risk is scored. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>NEGL</th> <th>Low</th> <th>Medium</th> <th>High</th> <th>Severe</th> </tr> </thead> <tbody> <tr> <td>0-10</td> <td>10-20</td> <td>20-30</td> <td>30-40</td> <td>40+</td> </tr> </tbody> </table>	NEGL	Low	Medium	High	Severe	0-10	10-20	20-30	30-40	40+									
NEGL	Low	Medium	High	Severe																	
0-10	10-20	20-30	30-40	40+																	
ESG Book	The ESG score identifies sustainable companies that are better positioned to outperform over the long term. The methodology considers the principle of financial materiality including information that significantly helps explain future risk-adjusted performance. Materiality is applied by over-weighting features with higher materiality and rebalancing these weights on a rolling quarterly basis.	The total ESG score is calculated as a weighted sum of the features scores using materiality-based weights. The score is scaled between 0 and 100 with higher scores indicating better performance.																			
MSCI	MSCI ESG ratings aim to measure a company's management of financially relevant ESG risks and opportunities. It uses a rules-based methodology to identify industry leaders and laggards according to their exposure to ESG risks and how well they manage those risks relative to peers. <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>AAA</td> <td>8.571-10.000</td> <td rowspan="3">Leader:</td> <td rowspan="3">leading its industry in managing the most significant ESG risks and opportunities</td> </tr> <tr> <td>AA</td> <td>7.143-8.570</td> </tr> <tr> <td>A</td> <td>5.714-7.142</td> </tr> <tr> <td>BBB</td> <td>4.286-5.713</td> <td rowspan="3">Average:</td> <td rowspan="3">a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers</td> </tr> <tr> <td>BB</td> <td>2.857-4.285</td> </tr> <tr> <td>B</td> <td>1.429-2.856</td> </tr> <tr> <td>CCC</td> <td>0.000-1.428</td> <td>Laggard:</td> <td>lagging its industry based on its high exposure and failure to manage significant ESG risks</td> </tr> </tbody> </table>	AAA	8.571-10.000	Leader:	leading its industry in managing the most significant ESG risks and opportunities	AA	7.143-8.570	A	5.714-7.142	BBB	4.286-5.713	Average:	a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers	BB	2.857-4.285	B	1.429-2.856	CCC	0.000-1.428	Laggard:	lagging its industry based on its high exposure and failure to manage significant ESG risks
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Moody's ESG solutions	Moody's assesses the degree to which companies take into account ESG objectives in the definition and implementation of their strategy policies. It believes that a company integrating ESG factors into its business model and relatively outperforming its peers is better positioned to mitigate risks and create sustainable value for shareholders over the medium to long term.																				
Refinitiv ESG rating	Designed to transparently and objectively measure a company's relative ESG performance, commitment and effectiveness across 10 main themes, based on publicly available and auditable data. The score ranges from 0 to 100 on relative ESG performance and insufficient degree of transparency in reporting material ESG data publicly. (Score ratings are 0 to 25 = poor; >25 to 50 = satisfactory; >50 to 75 = good; and >75 to 100 = excellent.)																				
S&P Global	The S&P Global ESG Score is a relative score measuring a company's performance on and management of ESG risks, opportunities, and impacts compared to its peers within the same industry classification. The score ranges from 0 to 100.																				
Bloomberg	ESG Score	Bloomberg score evaluating the company's aggregated Environmental, Social and Governance (ESG) performance. The score is based on Bloomberg's view of ESG financial materiality. The score is a weighted generalized mean (power mean) of Pillar Scores, where the weights are determined by the pillar priority ranking. Values range from 0 to 10; 10 is the best.																			
Bloomberg	ESG Disclosure Score	Disclosure of a company's ESG used for Bloomberg ESG score. The score ranges from 0 for none to 100 for disclosure of every data point, measuring the amount of ESG data reported publicly, and not the performance on any data point.																			

Rating regarding the sustainable development of Thai listed companies, both on the SET and MAI, are publicly available on the website of the Securities and Exchange Commission of Thailand (SEC). Currently, ratings available are 1) "CG Score"; 2) "AGM Level"; 3) "Thai CAC"; and 4) THSI. The ratings are updated on an annual basis. FSSIA does not confirm nor certify the accuracy of such ratings.

Source: FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Sureeporn Teewasuwet FSS International Investment Advisory Securities Co., Ltd

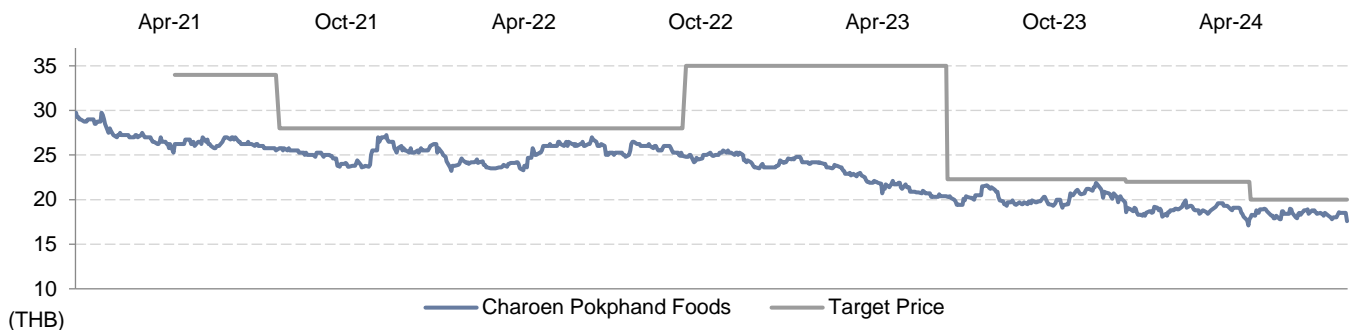
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History of change in investment rating and/or target price

Charoen Pokphand Foods (CPF TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
12-Jul-2021	BUY	34.00	08-May-2023	HOLD	22.30	24-Jan-2024	HOLD	20.00
08-Oct-2021	HOLD	28.00	09-Oct-2023	HOLD	22.00			
23-Sep-2022	BUY	35.00	13-Dec-2023	BUY	22.00			

Sureeporn Teewasuwet started covering this stock from 08-May-2023

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Charoen Pokphand Foods	CPF TB	THB 17.60	BUY	Downside risks to our P/E-based TP include 1) slow purchasing power, 2) a slower-than-expected meat price recovery, 3) higher feed costs, 4) Baht strength, and 5) a minimum wage increase and labor shortages.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited.

All share prices are as at market close on 17-Apr-2024 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as (target price* - current price) / current price.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

Neutral. The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

Underweight. The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.