**EQUITY RESEARCH - COMPANY REPORT** 







# **CHAROEN POKPHAND FOODS**

THAILAND / FOOD & BEVERAGE

# Bet on Chinese New Year to support 1Q24 meat prices

- Given slow meat price recoveries, we expect a higher loss in 4Q23, which
  would be the bottom of the year. Although CPF may realize an extra gain, it
  may not be enough to turn the results into a net profit as expected.
- We expect the Chinese New Year to support pig prices to exceed raising costs, which would help 1Q24 to turn into a profit.
- We have decreased our profit estimate and TP. After the cut, we recommend investors trade CPF in line with meat prices.

## Expect an extended core loss in 4Q23, the bottom of the year

We expect a normalized loss of roughly THB4b in 4Q23, weakening from THB3.7b core earnings in 3Q23. Also, it should be the bottom of 2023 due to continued meat price weaknesses. Specifically, the average pig price recorded losses of 0.6% q-q and 39% y-y in Thailand, 17% q-q and 11% y-y in Vietnam, and 5.7% q-q and 39% y-y in China. Although Thai chicken price increased by 3.6% q-q, it decreased by 11% y-y due to weak purchasing power in Thailand and abroad as several countries faced similar demand problems. Although raw material prices were down, meat prices remained lower than raising costs. Also, 4Q was usually a low season. However, CPF would realize an accounting gain from sales of its chicken unit in China. Initially, it could be as high as THB2-3b. Hence, we anticipate a lower net loss in 4Q23 than in 3Q23.

# Bet on Chinese New Year to support 1Q24 meat prices

In 1Q24, we still need to bet on the 1Q24 operating performance if it will turn into a profit. Although the price of Thai pigs and chickens increased to THB70/kg. (+12% q-q) and THB39/kg. (+3.7% q-q), respectivly, the pig price was still below raising costs. In particular, maize began to steady at THB10/kg., while soybean meal was up q-q to THB22.8/kg. In China, the swine unit continued to suffer a loss. The current pig price (14 yuan/kg.) is still lower than raising costs of 15.5-16 yuan/kg. In the short term, we see a catalyst from the Chinese New Year in February. If it supports Thai pig prices to above THB72/kg., it will support the Thai swine unit to turn into a profit.

#### An extended cautious mode in 2024

The 2024 recovery outlook is more challenging. Although raw material prices began to stabilize at a low level, it was not enough for the performance to turn into an instant profit. It still hinges mainly on a meat price recovery hope, while purchasing power in Thailand and abroad remains dull. As a result, CPF has maintained its cautious business strategy for 2024. In particular, it has cut unnecessary investments to retain liquidity amid a poor macroeconomic landscape. Given the much slower performance recovery than expected, we have decreased our 2024-25E core profit by 15% and 12%. However, it would turn into a profit after an anticipated loss of THB15.2b in 2023.

## TP cut; Recommend trade in line with meat prices

Similarly, we have decreased our 2024 TP to THB20 from THB22 (PE 17x, unchanged). Looking ahead, investors still need to monitor meat prices. If it recovers slowly and is lower than raising costs, an extended loss in 1Q24 is likely. It would provide a downside risk to our forecast. We have lowered our rating to HOLD and recommend our investors with risk appetite trade CPF in line with meat prices.

# **CPF TB**

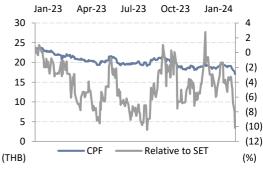
# **HOLD**

#### FROM BUY

TARGET PRICE	THB20.00
CLOSE	THB17.10
UP/DOWNSIDE	+17.0%
PRIOR TP	THB22.00
CHANGE IN TP	-9.1%
TP vs CONSENSUS	-11.5%

#### **KEY STOCK DATA**

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	614,197	578,688	599,984	627,254
Net profit	13,970	(5,612)	10,013	10,623
EPS (THB)	1.76	(0.65)	1.16	1.23
vs Consensus (%)	-	nm	33.8	(7.8)
EBITDA	63,057	44,593	59,406	62,179
Recurring net profit	8,623	(15,207)	6,513	10,623
Core EPS (THB)	1.09	(1.77)	0.76	1.23
Chg. In EPS est. (%)	-	nm	(15.0)	(11.8)
EPS growth (%)	130.6	nm	nm	63.1
Core P/E (x)	15.7	(9.7)	22.6	13.9
Dividend yield (%)	4.4	-	3.4	3.6
EV/EBITDA (x)	10.5	15.1	11.4	10.9
Price/book (x)	0.5	0.6	0.6	0.6
Net debt/Equity (%)	160.9	157.4	149.6	150.2
ROE (%)	3.6	(6.0)	2.7	4.4



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(9.0)	(6.6)	(28.8)
Relative to country (%)	(5.8)	(3.6)	(11.5)
Mkt cap (USD m)			3,944
3m avg. daily turnover (USD m)			7.8
Free float (%)			46
Major shareholder	Charoen Po	okphand Gr	oup (37%)
12m high/low (THB)		2	4.10/17.00
Issued shares (m)			8,611.24

Sources: Bloomberg consensus; FSSIA estimates



Sureeporn Teewasuwet
Fundamental Investment Analyst on Securities; License no. 040694

sureeporn.t@fssia.com, +66 2646 9972

#### Investment thesis

CPF operates an integrated agro-industrial and food business under its vision of being a "Kitchen of the World". The company has production bases, investments and joint ventures in 17 countries as of 2022. We like its goal to leverage its expertise in the modern agro-industrial business and make investments in various countries. The company has strong brand recognition under the CP brand.

However, investors should closely monitor the meat and raw material prices, as the prices are highly volatile and could negatively affect CPF's operations both domestically and overseas.

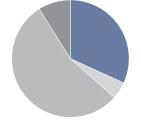
# Company profile

CPF was established in 1978 and listed on the Stock Exchange of Thailand in 1987. CPF operates a vertically integrated agro-industrial and food business, including livestock and aquaculture such as swine, broilers, layers, ducks, shrimp and fish. The businesses are divided into three segments, namely Feed, Farm and Food. In 2022, the company?s revenue contributions from Feed, Farm, and Food were 24%/55%/21%, respectively.

www.cpfworldwide.com

# Principal activities (revenue, 2022)

- Thailand livestock 31.8 %
- Thailand aquatic 4.7 %
- Overseas livestock 54.6 %
- Overseas aquatic 8.9 %



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 catalysts for CPF's earnings growth in 2023 are 1) revenue growth driven by sales volume; 2) higher-than-expected meat prices; 3) declining raw material costs; and 4) a higher-than-expected overseas business recovery.

#### Risks to our call

Downside and upside risks to our P/E-based TP include 1) a slower or faster-than-expected consumption recovery; 2) high or low volatility in meat and raw material prices; 3) a stronger or weaker THB than expected; and 4) a minimum wage increase or decrease and labour shortage or oversupply.

# **Event calendar**

Date	Event
27 February 2024	4Q23 results announcement
28 February 2024	4Q23 analyst meeting

# Key assumptions

2023E	2024E	2025E
39.5	41.0	42.0
71.1	72.0	72.0
52,311	52,000	52,000
(5.8)	3.7	4.5
10.8	12.3	12.4
9.5	8.9	8.9
	39.5 71.1 52,311 (5.8) 10.8	39.5 41.0 71.1 72.0 52,311 52,000 (5.8) 3.7 10.8 12.3

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.

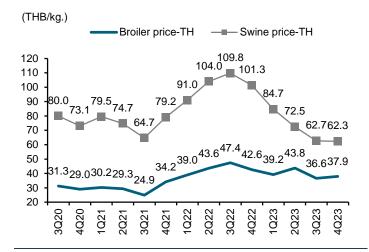
Source: FSSIA estimates

Exhibit 1: 4Q23 earnings preview

	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23E	Cha	nge
	(THB m)	(q-q%)	(y-y%)							
Sales	138,887	155,996	160,266	159,048	143,781	150,246	144,498	140,163	(3.0)	(11.9)
Cost of sales	121,096	133,372	136,287	141,569	128,202	133,750	128,940	125,446	(2.7)	(11.4)
Gross profit	17,791	22,624	23,979	17,479	15,579	16,496	15,558	14,717	(5.4)	(15.8)
SG&A	12,124	13,564	14,385	14,928	12,787	13,868	14,079	14,016	(0.4)	(6.1)
Operating profit	6,179	10,257	10,564	3,849	3,663	3,607	2,364	1,751	(26.0)	(54.5)
Interest expense	4,469	4,360	5,494	6,035	6,068	6,157	6,377	6,200	(2.8)	2.7
Tax expense	1,158	3,522	2,020	(698)	429	123	(115)	150	(230.1)	(121.5)
Profit (loss) sharing	(336)	(793)	2,294	2,580	(1,088)	(893)	528	550	4.2	(78.7)
Biological gain (loss)	1,098	729	(886)	469	(41)	1,616	319	(200)	(162.6)	(142.6)
Other gain (loss)	1,509	1,953	421	52	879	1,419	1,603	4,000	149.6	7585.4
Reported net profit	2,842	4,208	5,108	1,812	(2,725)	(792)	(1,811)	(284)	nm	nm
Core profit	235	1,526	5,572	1,290	(3,563)	(3,827)	(3,733)	(4,084)	nm	nm
Key Ratios (%)									(ppt)	(ppt)
Gross margin	12.8	14.5	15.0	11.0	10.8	11.0	10.8	10.5	(0.3)	(0.5)
SG&A to sales	8.7	8.7	9.0	9.4	8.9	9.2	9.7	10.0	0.3	0.6
Operating margin	4.4	6.6	6.6	2.4	2.5	2.4	1.6	1.2	(0.4)	(1.2)
Net margin	2.0	2.7	3.2	1.1	(1.9)	(0.5)	(1.3)	(0.2)	1.1	(1.3)
Core margin	0.2	1.0	3.5	0.8	(2.5)	(2.5)	(2.6)	(2.9)	(0.3)	(3.7)
Operating statistics (THB/kg)										
Broiler price-TH	39.0	43.6	47.4	42.6	39.2	43.8	36.6	37.9	3.6	(11.0)
Swine price-TH	91.0	104.0	109.8	101.3	84.7	72.5	62.7	62.3	(0.6)	(38.5)
Shrimp price 70 unit -TH	174.3	143.3	145.0	141.7	155.0	124.7	124.3	125.0	0.6	(11.8)
Corn price-TH	11.4	13.1	12.1	12.6	13.3	12.9	11.7	10.4	(10.7)	(17.5)
Soybean meal price-TH	21.4	23.1	23.1	23.3	24.0	23.4	21.5	22.0	2.3	(5.6)
Swine price-VN (VND/kg.)	52,809	55,387	62,760	52,819	50,045	55,095	57,023	47,082	(17.4)	(10.9)
Swine price-CH (RMB/kg.)	13.1	15.4	22.5	24.6	15.2	14.4	15.8	14.9	(5.7)	(39.4)

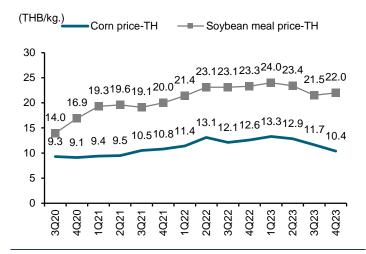
Sources: CPF, FSSIA estimates

Exhibit 2: Domestic swine and chicken prices



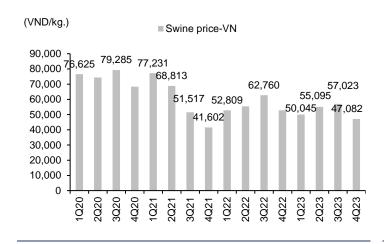
Sources: CPF, FSSIA's compilation

Exhibit 3: Corn and soybean meal prices



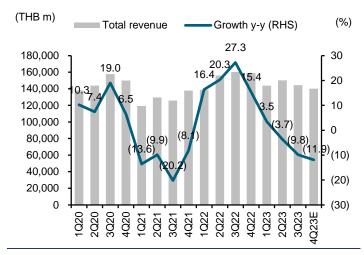
Sources: CPF, FSSIA's compilation

#### Exhibit 4: Vietnam's swine price



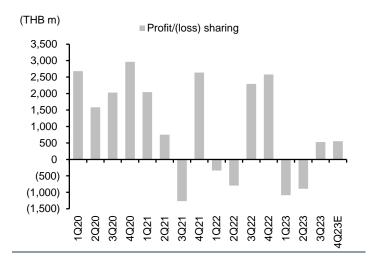
Sources: CPF, FSSIA's compilation

#### Exhibit 6: Total revenue and growth



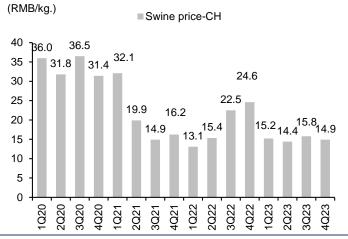
Sources: CPF, FSSIA estimates

#### Exhibit 8: Quarterly profit/loss (-) sharing



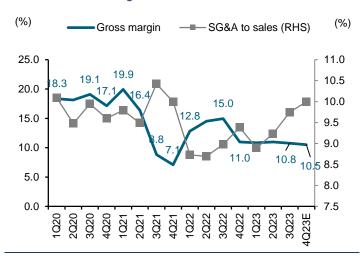
Sources: CPF, FSSIA estimates

**Exhibit 5: China's swine price** 



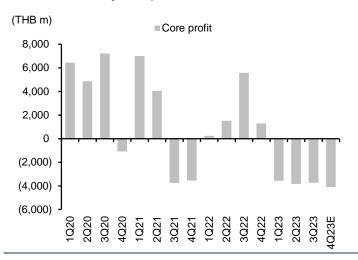
Sources: CPF, FSSIA's compilation

#### Exhibit 7: Gross margin and SG&A to sales



Sources: CPF, FSSIA estimates

#### **Exhibit 9: Quarterly core profit**



Sources: CPF, FSSIA estimates

Exhibit 10: Change of key assumptions for CPF

		Current			Previous			- Change	
	2023E	2024E	2025E	2023E	2024E	2025E	2023E	2024E	2025E
	(THB m)	(THB m)	(%)	(%)	(%)				
Total revenue	578,688	599,984	627,254	588,459	617,258	649,666	(1.7)	(2.8)	(3.4)
Cost of sales	516,339	526,186	549,474	525,736	540,246	567,381	(1.8)	(2.6)	(3.2)
Gross profit	62,349	73,798	77,779	62,723	77,012	82,285	(0.6)	(4.2)	(5.5)
SG&A expenses	54,751	53,399	55,826	53,726	55,553	58,470	1.9	(3.9)	(4.5)
Operating profit	11,386	25,199	26,972	13,298	26,396	29,012	(14.4)	(4.5)	(7.0)
Interest expense	24,803	25,122	25,149	24,331	24,117	24,143	1.9	4.2	4.2
Profit (loss) sharing	(903)	6,037	8,584	(2681)	6,037	8,584	66.3	0.0	0.0
Reported net profit	(5612)	10,013	10,623	(8886)	11,159	12,050	36.8	(10.3)	(11.8)
Core profit	(15207)	6,513	10,623	(14759)	7,659	12,050	(2.6)	(15.0)	(11.8)
Key ratios (%)									
Total revenue growth	(5.8)	3.7	4.5	(4.2)	4.9	5.3			
Net profit growth	nm	nm	6.1	nm	nm	8.0			
Core profit growth	nm	nm	63.1	nm	nm	57.3			
Gross margin	10.8	12.3	12.4	10.7	12.5	12.7	0.1	(0.2)	(0.3)
SG&A to sales	9.5	8.9	8.9	9.1	9.0	9.0	0.3	(0.1)	(0.1)
Operating margin	2.0	4.2	4.3	2.3	4.3	4.5	(0.3)	(0.1)	(0.2)
Net margin	(1.0)	1.7	1.7	(1.5)	1.8	1.9	0.5	(0.1)	(0.2)
Core margin	(2.6)	1.1	1.7	(2.5)	1.2	1.9	(0.1)	(0.2)	(0.2)
Key assumptions									
Price									
Broiler price-TH (THB/kg.)	39.5	41.0	42.0	40.0	41.0	42.0	(1.3)	0.0	0.0
Swine price-TH (THB/kg.)	71.1	72.0	72.0	75.5	80.0	80.0	(5.8)	(10.0)	(10.0)
Shrimp price-70 unit (THB/kg.)	127.0	145.0	145.0	127.0	145.0	145.0	0.0	0.0	0.0
Corn price-TH (THB/kg.)	12.1	10.5	10.0	12.2	11.5	11.0	(1.2)	(8.7)	(9.1)
Soybean meal price-TH (THB/kg.)	22.7	21.0	20.0	22.0	21.0	20.0	3.3	0.0	0.0
Swine price-VN (VND)	52,311	52,000	52,000	54,700	54,000	54,000	(4.4)	(3.7)	(3.7)
Swine price-CH (RMB)	15.1	16.0	17.0	15.0	17.0	18.0	0.7	(5.9)	(5.6)

Source: FSSIA estimates

# **Financial Statements**

Charoen Pokphand Foods

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Revenue	512,704	614,197	578,688	599,984	627,254
Cost of goods sold	(446,815)	(532,324)	(516,339)	(526,186)	(549,474)
Gross profit	65,890	81,873	62,349	73,798	77,779
Other operating income	4,137	3,978	3,787	4,800	5,018
Operating costs	(50,880)	(55,001)	(54,751)	(53,399)	(55,826)
Operating EBITDA	48,077	63,057	44,593	59,406	62,179
Depreciation	(28,931)	(32,207)	(33,207)	(34,207)	(35,207)
Goodwill amortisation	0	0	0	0	C
Operating EBIT	19,146	30,850	11,386	25,199	26,972
Net financing costs	(15,853)	(19,515)	(23,754)	(24,065)	(24,044)
Associates	4,167	3,745	(903)	6,037	8,584
Recurring non-operating income	4,167	3,745	(903)	6,037	8,584
Non-recurring items	9,273	5,347	9,595	3,500	(
Profit before tax	16,732	20,427	(3,676)	10,672	11,512
āx	(2,654)	(6,003)	(587)	(359)	(576)
Profit after tax	14,079	14,424	(4,263)	10,313	10,936
finority interests	(1,050)	(454)	(1,349)	(300)	(314)
Preferred dividends	0	0	0	0	(
Other items	-	-	-	-	
Reported net profit	13,028	13,970	(5,612)	10,013	10,623
Non-recurring items & goodwill (net)	(9,273)	(5,347)	(9,595)	(3,500)	C
Recurring net profit	3,756	8,623	(15,207)	6,513	10,623
er share (THB)					
Recurring EPS *	0.47	1.09	(1.77)	0.76	1.23
Reported EPS	1.63	1.76	(0.65)	1.16	1.23
OPS .	0.65	0.75	0.00	0.58	0.62
Diluted shares (used to calculate per share data)	7,970	7,936	8,611	8,611	8,611
Growth					
Revenue (%)	(13.1)	19.8	(5.8)	3.7	4.5
Operating EBITDA (%)	(41.0)	31.2	(29.3)	33.2	4.7
Operating EBIT (%)	(64.0)	61.1	(63.1)	121.3	7.0
Recurring EPS (%)	(76.5)	130.6	nm	nm	63.1
Reported EPS (%)	(45.9)	7.7	nm	nm	6.1
Operating performance					
Gross margin inc. depreciation (%)	12.9	13.3	10.8	12.3	12.4
Gross margin exc. depreciation (%)	18.5	18.6	16.5	18.0	18.0
Operating EBITDA margin (%)	9.4	10.3	7.7	9.9	9.9
Operating EBIT margin (%)	3.7	5.0	2.0	4.2	4.3
Net margin (%)	0.7	1.4	(2.6)	1.1	1.7
Effective tax rate (%)	15.9	29.4	-16.0	3.4	5.0
Dividend payout on recurring profit (%)	137.9	69.0	-	76.9	50.0
nterest cover (X)	1.5	1.8	0.4	1.3	1.5
nventory days	54.8	57.1	63.4	63.6	62.7
Debtor days	24.4	24.3	28.3	28.9	28.8
Creditor days	33.5	34.8	38.0	37.1	36.6
Operating ROIC (%)	4.5	6.2	2.2	4.9	5.4
ROIC (%)	2.7	3.6	1.0	3.2	3.6
ROE (%)	1.8	3.6	(6.0)	2.7	4.4
ROA (%)	2.2	2.8	0.6	2.9	3.3
Pre-exceptional, pre-goodwill and fully diluted					
evenue by Division (THB m)	2021	2022	2023E	2024E	2025
hailand livestock	159,495	195,358	178,753	187,065	197,205
Thailand aquatic	29,696	28,998	29,317	30,783	32,476
Overseas livestock	275,816	335,164	314,302	322,995	334,882
	,	,	,	,	,502

Sources: Charoen Pokphand Foods; FSSIA estimates

# **Financial Statements**

Charoen Pokphand Foods

Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025
Recurring net profit	3,756	8,623	(15,207)	6,513	10,62
Depreciation	28,931	32,207	33,207	34,207	35,20
ssociates & minorities	-	-	-		,
Other non-cash items	(4,741)	(30,593)	12,556	8,569	(5,050
Change in working capital	(28,575)	(11,702)	2,699	(3,561)	(5,29
Cash flow from operations	(629)	(1,465)	33,256	45,728	35,48
Capex - maintenance	(47,587)	(51,354)	(23,344)	(30,000)	(30,000
Capex - new investment Net acquisitions & disposals	(6,758)	(1,758)	0	0	
Other investments (net)	(3,736)	(5,173)	9,384	648	(1,09
Cash flow from investing	(58,082)	(58,285)	(13,959)	(29,352)	(31,09
Dividends paid	(4,158)	(5,808)	0	(5,007)	(5,31
Equity finance	(1,335)	(818)	0	0	(5,51
Debt finance	47,700	55,491	(6,005)	(9,800)	54
Other financing cash flows	(1,735)	6,821	(10,725)	639	81
Cash flow from financing	40,472	55,686	(16,729)	(14,168)	(3,952
Non-recurring cash flows	, <u>-</u>	· -	-	-	
Other adjustments	0	0	0	0	
Net other adjustments	0	0	0	0	
Movement in cash	(18,238)	(4,065)	2,567	2,208	44
Free cash flow to firm (FCFF)	(42,114.37)	(39,392.75)	44,099.38	41,498.04	29,546.6
Free cash flow to equity (FCFE)	(12,745.29)	2,561.44	2,566.76	7,215.08	5,756.8
Per share (THB)					
FCFF per share	(4.89)	(4.57)	5.12	4.82	3.4
FCFE per share	(1.48)	0.30	0.30	0.84	0.6
Recurring cash flow per share	3.51	1.29	3.55	5.72	4.7
Balance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025
Tangible fixed assets (gross)	292,447	344,753	332,545	319,338	305,13
Less: Accumulated depreciation	(28,931)	(32,207)	(33,207)	(34,207)	(35,20
Tangible fixed assets (net)	263,516	312,545	299,338	285,131	269,92
ntangible fixed assets (net)	74,466	76,224	76,224	76,224	76,22
ong-term financial assets	265 011	- 272.055	-	277 100	205 7
nvest. in associates & subsidiaries	265,911	272,055	271,152	277,190	285,77
Cash & equivalents	40,280	36,215	38,782	40,990	41,43
VC receivable nventories	38,471	43,221 83,080	46,612 84,878	48,327 86,496	50,52 90,32
Other current assets	73,431 64,368	70,703	57,869	59,998	62,72
Current assets	216,550	233,219	228,141	235,813	245,01
Other assets	24,801	32,944	31,048	31,899	32,99
Total assets	845,244	926,987	905,903	906,257	909,92
Common equity	217,302	256,053	247,002	242,008	237,32
Minorities etc.	72,050	43,791	53,751	66,357	69,89
Total shareholders' equity	289,352	299,844	300,753	308,365	307,2
Long term debt	330,701	332,081	329,581	327,081	329,78
Other long-term liabilities	21,264	28,085	17,361	18,000	18,8
ong-term liabilities	351,965	360,166	346,941	345,080	348,59
A/C payable	44,372	50,964	49,512	50,456	52,68
Short term debt	132,460	186,478	182,656	175,356	173,19
Other current liabilities	27,096	29,536	26,041	26,999	28,22
Current liabilities	203,928	266,978	258,209	252,811	254,11
Total liabilities and shareholders' equity	845,244	926,987	905,903	906,257	909,92
Net working capital	104,802	116,505	113,806	117,367	122,65
nvested capital	733,497	810,273	791,568	787,811	787,57
Includes convertibles and preferred stock which is be	eing treated as debt				
Per share (THB)					
Book value per share	27.27	32.26	28.68	28.10	27.5
angible book value per share	17.92	22.66	19.83	19.25	18.7
inancial strength					
Net debt/equity (%)	146.1	160.9	157.4	149.6	150
Net debt/total assets (%)	50.0	52.0	52.3	50.9	50
Current ratio (x)	1.1	0.9	0.9	0.9	1
CF interest cover (x)	0.2	1.1	1.1	1.3	1
/aluation	2021	2022	2023E	2024E	2025
Recurring P/E (x) * Recurring P/E @ target price (x) *	36.3 42.4	15.7 18.4	(9.7) (11.3)	22.6 26.4	13
• • • • • •			(11.3)		<b>16</b>
Reported P/E (x)	10.5	9.7	(26.2)	14.7	
Dividend yield (%)	3.8	4.4	-	3.4	3
Price/book (x)	0.6	0.5	0.6	0.6	(
Price/tangible book (x)	1.0	0.8 10.5	0.9 15.1	0.9	10
EV/EBITDA (x) **	13.1	10.5	15.1 15.7	11.4	10
EV/EBITDA @ target price (x) **	13.6	10.9 0.8	15.7 0.9	11.8 0.9	11
EV/invested capital (x)	0.9				

Sources: Charoen Pokphand Foods; FSSIA estimates

# **Charoen Pokphand Foods PCL (CPF TB)**

FSSIA ESG rating

★ ★ ★

# **Exhibit 11: FSSIA ESG score implication**

78.94 /100

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 12: ESG – peer comparison

	FSSIA	Domestic ratings					Global ratings						Bloomberg		
	ESG score	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	Υ	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	Υ			5.00	5.00	Certified	High	44.49	Α	35.00	66.15	87.00	2.99	
TFG	33.01			Υ	4.00	5.00	Certified	High				42.11			

Sources: <u>SETTRADE.com</u>; FSSIA's compilation

### Exhibit 13: 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 14: 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	
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	Ye
Policy against child labor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ye
Quality assurance and recall policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ye
Consumer data protection policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ye
Equal opportunity policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ye
Gender pay gap breakout	No	No	No	No	No	No	No	N
Pct women in workforce	59	51	51	52	52	42	44	4
Pct disabled in workforce	_	_	1	1	1	_	1	
Business ethics policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ye
Anti-bribery ethics policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Υe
Health and safety policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ye
Lost time incident rate - employees	_	_	_	_	0	0	0	
Total recordable incident rate - employees	_	_	_	_	_	_	_	_
Training policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Υe
Fair remuneration policy	No	No	No	No	No	No	No	N
Number of employees – CSR	78,993	66,087	71,131	72,319	73,941	71,318	128,548	135,28
Employee turnover pct	30	19	18	20	34	_	13	1
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	1,772,55
Social supply chain management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ye
Governance								
Board size	15	15	15	15	15	15	15	1
No. of independent directors (ID)	5	5	5	5	5	5	6	
No. of women on board	1	2	2	2	2	2	2	
No. of non-executive directors on board	10	10	10	10	9	9	9	1
Company conducts board evaluations	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ye
No. of board meetings for the year	10	11	9	7	7	13	11	
Board meeting attendance pct	93	96	87	96	94	96	99	g
Board duration (years)	3	3	3	3	3	3	3	•
Director share ownership guidelines	No	No	No	No	No	No	No	١
Age of the youngest director	65	61	62	63	58	53	53	
Age of the oldest director	80	80	82	83	81	82	76	7
No. of executives / company managers	13	14	17	7	11	9	21	
No. of female executives	2	2	2	1	2	2	2	•
Executive share ownership guidelines	No	No	No	No	No	No	No	١
Size of audit committee	5	4	4	4	4	4	4	11
No. of ID on audit committee	5	4	4	4	4	4	4	
	9	10	8	9	9	10		
Audit masting attendance %							11	4.0
Audit meeting attendance %	93	95	91	94	100	98	100	10
Size of compensation committee	3	3	3	3	4	4	4	
No. of ID on compensation committee	2	2	2	2	2	2	2	
No. of compensation committee meetings	1	3	2	2	2	3	3	
Compensation meeting attendance %	100	100	100	100	100	92	100	10
Size of nomination committee	3	3	3	3	4	4	4	
No. of nomination committee meetings	1	3	2	2	2	3	3	
Nomination meeting attendance %	100	100	100	100	100	92	100	10
Sustainability governance								
Verification type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Y

Sources: Bloomberg; FSSIA's compilation

# Disclaimer for ESG scoring

ESG score	Methodolog	ЗУ			Rating					
The Dow Jones Sustainability Indices ( <u>DJSI</u> ) By S&P Global	process bas from the ann	ed on the com nual S&P Globa	transparent, rules-based panies' Total Sustainabili al Corporate Sustainabilit anies within each industry	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)	managing b Candidates 1) no irregul float of >150 up capital. S 70%; 2) inde wrongdoing	usiness with tra must pass the ar trading of th shareholders, some key disque ependent direct related to CG,	lity in Environmental and ansparency in Governand preemptive criteria, with e board members and en , and combined holding malifying criteria include: 1 tors and free float violatic social & environmental in arnings in red for > 3 year	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)	annually by Thailand (SI	the Thai IOD, v	n in sustainable developn with support from the Sto s are from the perspectiv s.	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	treatment ar transparent out of five th criteria cove date (45%), circulation of s exercised. The and verifiability	re incorporated and sufficiently are CG componer AGM proceds and after the naufficient informate second assessay; and 3) openne	which shareholders' rights into business operations y disclosed. All form impoents to be evaluated annures before the meeting (neeting (10%). (The first attion for voting; and 2) facilitations 1) the ease of attending mess for Q&A. The third involves, resolutions and voting res	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)	establishme policies. The (Companies of Declaration of Certification, in managers and	nt of key control  Certification is  Ceciding to become  Intent to kick off  Including risk asset	Checklist include corruptions, and the monitoring as sood for three years. The a CAC certified member stone a CAC certified member stone an 18-month deadline to subsessment, in place of policy and bilishment of whistleblowing at stakeholders.)	nd developing of  art by submitting a  mit the CAC Checklist for ad control, training of	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	based on ar risk is unma	n assessment on naged. Sources	sk rating provides an ove of how much of a compan is to be reviewed include corp her media, NGO reports/webs	A company's ESG risk rating score is the sum of unmanaged risk. The more risk is unmanaged, the higher ESG risk is scored.						
	information, company feedback, ESG controversies, issuer feedback on draft ESG reports, and quality & peer reviews.				<b>NEGL</b> 0-10	Low 10-20	Medium 20-30	High 30-40	Severe 40+	
ESG Book	positioned to the principle helps explai over-weighti	o outperform of of financial man n future risk-ac	sustainable companies the ver the long term. The me ateriality including information djusted performance. Mat th higher materiality and a rly basis.	ethodology considers ation that significantly teriality is applied by	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.					
<u>MSCI</u>			measure a company's mand laggards according to						nethodology to	
	AAA	8.571-10.000	)	·		, ,		·		
	AA	7.143-8.570	Leader:	leading its industry in ma	anaging the most si	ignificant ESG ri	sks and opportunitie	es		
	Α	5.714-7.142								
	BBB	4.286-5.713	Average:	a mixed or unexceptional industry peers	al track record of ma	anaging the mos	st significant ESG ris	sks and opportu	nities relative to	
	ВВ	2.857-4.285		, , , , , , , , , , , , , , , , , , ,						
	В	1.429-2.856	Laggard:	lagging its industry base	ed on its high expos	ure and failure to	o manage significan	nt ESG risks		
	CCC 0.000-1.428									
Moody's ESG olutions	believes tha	t a company in	ree to which companies to tegrating ESG factors into the range of the	to its business model and						
Refinitiv ESG rating	based on pu	ıblicly available	and objectively measure e and auditable data. The ta publicly. (Score ratings a	score ranges from 0 to	100 on relative E	SG performan	nce and insufficie	nt degree of to		
S&P Global			re is a relative score mea in the same industry clas				of ESG risks, op	portunities, an	d impacts	
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.									
			or r mar coores, where t	are actorium	od oj ino pinai p			0 0 10 .0, .0		

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

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#### ANALYST(S) CERTIFICATION

#### Sureeporn Teewasuwet FSS International Investment Advisory Securities Co., Ltd

The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed herein.

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#### History of change in investment rating and/or target price



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
25-Mar-2021 12-Jul-2021 08-Oct-2021	BUY BUY HOLD	42.00 34.00 28.00	23-Sep-2022 08-May-2023 09-Oct-2023	BUY HOLD HOLD	35.00 22.30 22.00	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 17.10	HOLD	Downside and upside risks to our P/E-based TP include 1) a slower or faster-than- expected consumption recovery; 2) high or low volatility in meat and raw material prices; 3) a stronger or weaker THB than expected; and 4) a minimum wage increase or decrease and labour shortage or oversupply.

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 23-Jan-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.