

SUSTAINABILITY PERFORMANCE 2017–2021

Charoen Pokphand Produce Co.,Ltd. and companies
in Crop Integration Business Group

GRI	Performance	Unit	2019	2020*	2021
ECONOMIC PERFORMANCE					
G4-EC1	Revenues	MillionBaht	4,525.96	4,289.81	7,290.70
	Employee Benefits	MillionBaht	539.06	553.77	166.84
	Employee Benefits	MillionBaht	63.22	68.57	175.40
	Investing in research and development	MillionBaht	70.12	75.05	72.10
	Community and Social Contribution	MillionBaht	12.67	15.3	1.51
SOCIAL PERFORMANCE					
Employees					
102-8	Total Employees	MillionBaht	12.67	15.3	1.51
		Male/Female	475 330	628 384	3,668.00 1,224.00
102-8	Separate by contract type				
	Employees		790	828	3,858
		Male/Female	462 328	514 314	2,784 1,074
	Worker / Contractors		15	184	1,034
		Male/Female	13 2	114 70	884 150
405-1	Separate by gender				
	Male	%	59.00	62.00	72.16%
	Female	%	41.00	38.00	27.84%
401-1	New Hires				
	Number of new hires	Persons	96	70	563
		Male/Female	54 42	46 24	-
	Ratio of new hires	%	12.15	8.24	11.51
		Male/Female	6.84 5.32	5.55 2.90	-
401-1	Turn Over				
	Number of turn over	Persons	94	98	345
		Male/Female	59 35	69 29	262 83
	Ratio of Turn Over	%	11.9	11.84	7.05
		Male/Female	7.47 4.43	8.33 3.50	7.14 6.78
		Male/Female	7.47 4.43	8.33 3.50	7.14 6.78
404-1	Average of training hours for all employees	Hours per person	4.99	7.30	5.24
404-1	Number of Employees completed sustainability training	Persons	705	828	4,892

Note : *In 2021 The data was collected from 4 countries as follows: Thailand, Vietnam, India and Myanmar

GRI	Performance	Unit	2019	2020*	2021
OCCUPATIONAL HEALTH AND SAFETY					
DJSI 3.7.2	Injury Rate (IR)				
	Employees	Persons per 1,000,000 working hours	2.06	0.00	2.17
		Male/Female	3.38 0.00	0.00 0.00	1.90 2.54
DJSI 3.7.3	Worker / Contractors	Persons per 1,000,000 working hours	0.00	5.68	1.44
		Male/Female	0.00 0.00	4.76 7.03	2.06 0.00
	Lost-Time Injury Frequency Rate (LTIFR)				
	Employees	Persons	-	0	4
		Male/Female	- -	0 0	2 2
	Worker / Contractors	Persons	-	2	1
		Male/Female	- -	1 1	1 0
	Rate of facilities as a work-related injury				
403-9 (a)	Employees	Persons per 1,000,000 working hours	-	0.00	0.00
		Male/Female	- -	0.00 0.00	0.00 0.00
403-9 (b)	Worker / Contractors	Persons per 1,000,000 working hours	-	0.00	0.00
		Male/Female	- -	0.00 0.00	0.00 0.00
	Number of facilities as a work-related injury				
403-9 (a)	Employees	Persons	-	0	0
		Male/Female	- -	0 0	0.00 0.00
403-9 (b)	Worker / Contractors	Persons	-	0.00	0.00
		Male/Female	- -	0 0	0.00 0.00
	Rate of High-consequence work-related injury (excluding facilities)				
403-9 (a)	Employees	Persons per 1,000,000 working hours	-	0.00	0.00
		Male/Female	- -	0.00 0.00	0.00 0.00
403-9 (b)	Worker / Contractors	Persons per 1,000,000 working hours	-	0.00	0.00
		Male/Female	- -	0.00 0.00	0.00 0.00
	Number of High-consequence work-related injury (excluding facilities)				
403-9 (a)	Employees	Persons	-	0	0
		Male/Female	- -	0 0	0 0
403-9 (b)	Worker / Contractors	Persons	-	0	0
		Male/Female	- -	0 0	0 0
	Rate of Recordable work-related injury				
403-9 (a)	Employees	Persons per 1,000,000 working hours	-	2.78	2.71
		Male/Female	- -	4.86 0.00	2.84 2.54
403-9 (b)	Worker / Contractors	Persons per 1,000,000 working hours	-	8.52	5.78
		Male/Female	- -	9.53 7.03	6.18 4.82
	Number of Recordable work-related injury				
403-9 (a)	Employees	Persons	-	5	0
		Male/Female	- -	5 0	3 2
403-9 (b)	Worker / Contractors	Persons	-	3	4
		Male/Female	- -	2 1	3 1
	Number of Fatalities as a result of Work-related ill health				
403-9 (a)	Employees	Persons	-	0	0
		Male/Female	- -	0 0	0.00 0.00
403-9 (b)	Worker / Contractors	Persons	-	0.00	0.00
		Male/Female	- -	0 0	0.00 0.00
	Number of cases of recordable work-related ill health				
403-9 (a)	Employees	Persons	-	0	0
		Male/Female	- -	0 0	0.00 0.00
403-9 (b)	Worker / Contractors	Persons	-	0.00	0.00
		Male/Female	- -	0 0	0.00 0.00

Note :

* In 2020 The data was collected from 4 countries as follows: Thailand, Vietnam, India and Myanmar

* The severity level of an injury is calculated from the number of absent work days. Injury Rate (IR) = [Total number of injuries at all levels (during the reporting period) / Total number of hours worked (during the reporting period)]

* Lost Time Injury Rate (LTIFR) = [Total number of lost time injuries (during the reporting period) / Total number of hours worked (during the reporting period)]

* Lost Day Rate (LDR) = [Total number of lost days (during the reporting period) / Total number of hours worked (during the reporting period)]

SUSTAINABILITY PERFORMANCE 2017-2021

Charoen Pokphand Produce Co.,Ltd. and companies in Crop Integration Business Group

GRI	Performance	Unit	2019	2020*	2021
ENVIRONMENT PERFORMANCE					
ENERGY					
302-1 (e)	Total Energy Consumption	Gigajoules	96,245.11	50,299.67	155,519.25
302-1 (a)	- Fuel Consumption	Gigajoules	26,570.26	15,216.33	65,937.09
302-1 (b)	- Renewable energy	Gigajoules	40,938.78	13,347.01	42,901.23
302-1 (C)	- Electricity Consumption	Gigajoules	28,739.06	21,736.00	46,680.92
GREEN HOUSE GAS (GHG) EMISSION					
305-2 (a)	Total Green House gas (GHG) emission	Ton CO ₂ eq	6,649.84	10,357.51	14,443.21
305-1 (a)	Green House gas (GHG) emission (Scope 1)	Ton CO ₂ eq	2,059.10	1,165.64	5,794.46
305-2 (a)	Green House gas (GHG) emission (Scope 2)	Ton CO ₂ eq	4,590.74	2,904.17	8,648.75
305-4 (a)	GHG emissions intensity ratio	Ton CO ₂ eq	1.47	2.41	1.98
น้ำ					
303-5	Water consumption	Million m ³			1.41
303-3 (a)	Total volume of water withdrawn	Million m ³	1.76	2.89	1.48
303-3 (c)	Freshwater (≤1,000 mg/L Total Dissolved Solids)	Million m ³			1.48
	- Surface water	Million m ³	1.54	2.42	1.33
	- Ground water	Million m ³	0.21	0.19	0.13
	- Municipal water supplies	Million m ³	0.01	0.02	0.02
	Other water (>1,000 mg/L Total Dissolved Solids)	Million m ³			0.0012
	- Surface water	Million m ³			-
	- Ground water	Million m ³			-
	- Municipal water supplies	Million m ³			0.0012
303-4 (b)	Total of water being used	Million m ³	0	0.01	0.02
303-4 (a)	Total of water discharge	Million m ³	0.18	0.09	0.07
	GHG emissions intensity ratio	Million m ³		564.00	193.68

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GRI	Performance	Unit	2019	2020*	2021
ENVIRONMENT PERFORMANCE					
WASTE (2020)					
306-3 (a)	Total weight of waste generated	Ton	591.35	616.94	678.34
	- Total weight of hazardous waste generated	Ton	5.95	11.96	3.15
	- Total weight of non-hazardous waste generated	Ton	585.4	604.98	675.18
306-4 (a)	Total weight of waste diverted from disposal	Ton			572.94
306-4 (b)	Total weight of hazardous waste diverted from disposal	Ton			0.01
	- Preparation for reuse	Ton			0.01
	- Recycling	Ton			-
306-4 (c)	Total weight of non-hazardous waste diverted from disposal	Ton			572.93
	- Preparation for reuse	Ton			9.91
	- Recycling	Ton			189.58
	- Composting; (Not Included food waste)	Ton			171.95
	- Feed Material	Ton			201.48
	- Constuction Material	Ton			-
306-5 (a)	Total weight of waste directed to disposal	Ton			105.40
306-5 (b)	Total weight of hazardous waste directed to disposal	Ton			3.14
	- Incineration (with energy recovery).	Ton			-
	- Incineration (without energy recovery).	Ton			2.35
	- Landfilling.	Ton			0.67
	- Other disposal operations	Ton			0.12
306-5 (c)	Total weight of non-hazardous waste directed to disposal	Ton			102.25
	- Incineration (with energy recovery)	Ton			-
	- Incineration (without energy recovery).	Ton			0.10
	- Landfilling.	Ton			102.16
	- Other disposal operations.	Ton			-
	Waste generated intensity ratio	Ton/ Million baht			0.09
PLASTIC PACKAGING					
	All plastic packaging	Ton	0	700.02	-
	Biodegradable plastic packaging	Ton	-	475.73	-
	Recyclable plastic packaging *Category Mono Layer	Ton	-	224.28	-

Note :

• Calculations are based on GRI (G4-EN2) Sustainability Reporting.
 • Amount of fuel energy used = sum of each type of fuel used X calorific value of each type of fuel (measurement unit: gigajoules per month)
 • CONVERSION FACTOR based on Thailand's annual energy report Department of Alternative Energy Development and Efficiency
 * Electric power consumption = Sum of the amount of electrical energy used, (kWh) X 3.6 (measurement unit: gigajoules per month)
 • Total amount of energy used = exhausted energy + renewable energy + electrical energy consumption (measurement unit: gigajoules per month)
 • Energy intensity per income covers non-consumed energy such as diesel fuel, renewable energy such as rice husks and internal electricity only.
 • Emission calculations GHG emissions Scope 2 (Scope 2) have been recalculated using the emission factor using the following reference values:
 Thailand according to the Energy Policy and Planning Office ministry of energy (<http://www.epppo.go.th/index.php/en/en-energystatistics/co2-statistic>)
 Myanmar, referenced from <https://united4efficiency.org/country-assessments/myanmar>
 Vietnam, referenced from https://www.iges.or.jp/en/publication_documents/pub/data/en/1215/IGES_GRI4_EF_v10.10_20210223.xlsx
 India, referenced from https://www.iges.or.jp/en/publication_documents/pub/data/en/1215/IGES_GRI4_EF_v10.10_20210223.xlsx
 • Greenhouse gas emissions reporting covers CO₂, CH₄ and N₂O, calculated and displayed in terms of the Global Warming Potential (GWP) set by the Intergovernmental Panel on Climate Change 2006 (IPCC) while the coefficient Greenhouse gas emissions (Emission Factor) based on data from IPCC and Thailand

Greenhouse Gas Management Organization, (Public Organization) (GRI G4-EN 15, EN 16)

• The value of greenhouse gas concentration per income covers the volume, GHG emissions Scope 1 (Scope 1) and Scope 2 (Scope 2) (GRI G4-EN 18)
 • Total water consumption collected from meter/billing receipt/groundwater usage report.
 • The amount of general waste and the amount of hazardous waste stored within the company are the total amount of waste for the past year (G4-EN23).
 • Total amount of waste generated including only the amount of general waste and hazardous waste generated each year by the amount of waste stored within the company each year. Calculated from accumulated waste in the current year - accumulated waste in the past year (G4-EN23)
 • Information on waste disposal methods is obtained from the disposal method confirmation from the waste disposal operator or from the waste disposal invoice (G4-EN23).

GRI CONTENT INDEX : GRI 102: GENERAL DISCLOSURES 2016

DISCLOSURES	CHARTER	OMISSION/NOTE	EXTERNAL ASSURANCE
Organizational Profile			
102-1	Name of the organization	- Our Business - About this Report	-
102-2	Activities, brands, products, and services	- Our Business	-
102-3	Location of headquarters	Business Overview	-
102-4	Location of operations	- Business Overview - Our Business	-
102-5	Ownership and legal form	- Our Business	-
102-6	Markets served	- Business Overview - Our Business	-
102-7	Scale of the organization	- 2021 Highlights - Business Overview	-
102-8	Information on employees and other workers	- Appendix	-
102-9	Supply chain	- Responsible Supply Chain Management	-
102-10	Significant changes to the organization and its supply chain	About this Report	-
102-11	Precautionary Principle or approach	- Climate Change Management - Water Stewardship	-
102-12	External initiatives	Stakeholder Engagement	-
102-13	Membership of associations	- Stakeholder Engagement	-
Strategy			
102-14	Statement from senior decision-maker	- Message from the President - Message from the CEO	-
102-15	Key impacts, risks, and opportunities	- Message from the President - Message from the CEO - Our Business - Climate Change Management - Water Stewardship	-
Ethics and Integrity			
102-16	Values, principles, standards, and norms of behavior	- Six Core Values - C.P. Excellence	✓
102-17	Mechanisms for advice and concerns about ethics	- Corporate Governance	✓
Governance			
102-18	Governance structure	- Sustainability Governance - Corporate Governance	-
102-20	Executive-level responsibility for economic, environmental, and social topics	- Sustainability Governance	-
Stakeholder Engagement			
102-40	List of stakeholder groups	- Stakeholder Engagement	-
102-41	Collective bargaining agreements	- Human Rights and Labor Practices	-
102-42	Identifying and selecting stakeholders	- Stakeholder Engagement	-
102-43	Approach to stakeholder engagement	- Stakeholder Engagement	-
102-44	Key topics and concerns raised	- Stakeholder Engagement	-

DISCLOSURES	CHARTER	OMISSION/NOTE	EXTERNAL ASSURANCE
Reporting Practice			
102-45	Entities included in the consolidated financial statements	- Our Business - Reporting Boundary	-
102-46	Defining report content and topic Boundaries	- Materiality Assessment	-
102-47	List of material topics	- List of Material Issues	-
102-48	Restatements of information	In 2021, we discontinued reporting GRI 308-2 and GRI 4142 as our supplier audit program is set to be completed by 2021. We will report the abovementioned GRI indicators again once the result of the program has been confirmed.	-
102-49	Changes in reporting	- About this Report	-
102-50	Reporting period	- About this Report	-
102-51	Date of most recent report	- About this Report	-
102-52	Reporting cycle	- About this Report	-
102-53	Contact point for questions regarding the report	- Materiality Assessment - About this Report	-
102-54	Claims of reporting in accordance with the GRI Standards	- About this Report	-
102-55	GRI content index	- GRI Content Index	-
102-56	External assurance	-	-

SPECIFIC STANDARD DISCLOSURES

GRI	DISCLOSURES	CHAPTER	OMISSION/ NOTE	EXTERNAL ASSURANCE
Economic Performance				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Sustainability Milestone	-	-
	103-2 The management approach and its components	- Sustainability Milestone	-	-
	103-3 Evaluation of the management approach	- Sustainability Milestone	-	-
GRI 201: Economic Performance 2016	201-1 Direct economic value generated and distributed	- 2021 Highlights	-	-
Indirect Economic Impacts				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Social Impact - Education - Innovation	-	-
	103-2 The management approach and its components	- Social Impact - Education - Innovation	-	-
	103-3 Evaluation of the management approach	- Social Impact - Education - Innovation	-	-
GRI 203: Indirect Economic Impacts 2016	203-1 Infrastructure investments and services supported	- Social Impact - Education	-	-
	203-2 Significant indirect economic impacts	- Social Impact - Education - Innovation	-	-
Anti-corruption				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Corporate Governance	-	-
	103-2 The management approach and its components	- Corporate Governance	-	-
	103-3 Evaluation of the management approach	- Corporate Governance	-	-
GRI 205: AntiCorruption 2016	205-2 Communication and training about anti-corruption policies and procedures	- Corporate Governance	-	-
Energy				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Climate Change Management	*ข้อมูลพลังงานไม่รอบCPS, CPA	-
	103-2 The management approach and its components	- Climate Change Management	เนื่องจากอยู่ระหว่างรอบรอบ	-
	103-3 Evaluation of the management approach	- Climate Change Management	กิจการจึงไม่ได้นำมาพิจารณา	-
GRI 302: Energy 2016	302-1 Energy consumption within the organization	- Climate Change Management - Appendix		✓
	302-3 Energy intensity	- Climate Change Management - Appendix		-
	302-4 Reduction of energy consumption	- Climate Change Management - Appendix		-

GRI	DISCLOSURES	CHARTER	OMISSION/NOTE	EXTERNAL ASSURANCE
Water				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Water Stewardship		-
	103-2 The management approach and its components	- Water Stewardship		-
	103-3 Evaluation of the management approach	- Water Stewardship		-
GRI 303: Water and Effluents 2018	303-1 Interactions with water as a shared resource	- Water Stewardship		-
	303-2 Management of water discharge related impacts	- Water Stewardship		-
	303-3 Water withdrawal	- Water Stewardship - Appendix		✓
	303-4 Water discharge	- Water Stewardship - Appendix		✓
	303-5 Water consumption	- Water Stewardship - Appendix		✓
Biodiversity				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Ecosystem & Biodiversity F	-	-
	103-2 The management approach and its components	- Ecosystem & Biodiversity Protection	-	-
	103-3 Evaluation of the management approach	- Ecosystem & Biodiversity Protection	-	-
GRI 304: Biodiversity 2016	304-3 Habitats protected or restored	- Ecosystem & Biodiversity Protection	-	-
Emissions				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Climate Change Management	*ข้อมูลการปลดปล่อยก๊าซเรือนกระจกไม่รวมCPS, CPA เนื่องจากอยู่ระหว่างรอบรอบ	-
	103-2 The management approach and its components	- Climate Change Management	กิจการจึงไม่ได้นำมาพิจารณา	-
	103-3 Evaluation of the management approach	- Climate Change Management		-
GRI 305: Emissions 2016	305-1 Direct (Scope 1) GHG emissions	- Climate Change Management - Appendix		✓
	305-2 Energy indirect (Scope 2) GHG emissions	- Climate Change Management - Appendix		✓
	305-4 GHG emissions intensity	- Climate Change Management - Appendix		-
Wastes				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Circular Economy	*ข้อมูลของเสียอยู่ระหว่างรอบรอบกิจการ	-
	103-2 The management approach and its components	- Circular Economy	และสถานีวิจัย สรรกโลกรวม, สถานีวิจัย แอสเพนส์ อยู่ระหว่างการรอบรอบ	-
	103-3 Evaluation of the management approach	- Circular Economy		-
GRI 306: Waste 2020	GRI 3063: Waste generated	- Circular Economy - Appendix	ข้อมูล ปี 2565	-
	GRI 3064: Waste diverted from disposal	- Circular Economy - Appendix		✓
	GRI 3065: Waste directed to disposal	- Circular Economy - Appendix		-

GRI	DISCLOSURES	CHAPTER	OMISSION/NOTE	EXTERNAL ASSURANCE
Supplier Environmental Assessment				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- responsible supply chain management	-	-
	103-2 The management approach and its components	- responsible supply chain management	-	-
	103-3 Evaluation of the management approach	- responsible supply chain management	-	-
GRI 308: Supplier Environmental Assessment 2016	308-1 New suppliers that were screened using environmental criteria	- responsible supply chain management	-	-
Employment				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Human Rights and Labor Practices	-	-
	103-2 The management approach and its components	- Human Rights and Labor Practices	-	-
	103-3 Evaluation of the management approach	- Human Rights and Labor Practices	-	-
GRI 401: Employment 2016	401-1 New employee hires and employee turnover	- Appendix	-	-
Occupational Health and Safety				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Occupational health and safety	-	-
	103-2 The management approach and its components	- Occupational health and safety	-	-
	103-3 Evaluation of the management approach	- Occupational health and safety	-	-
GRI 403: Occupational Health and Safety 2018	403-1 Occupational health and safety management system	- Occupational health and safety	*ข้อมูลด้านความปลอดภัยไม่รวมCPS,CPAเนื่องจากอยู่ระหว่างกระบวนการจึงไม่ได้นำมาพิจารณา	-
	403-2 Hazard identification, risk assessment, and incident investigation	- Occupational health and safety		-
	403-3 Occupational health services	- Occupational health and safety		-
	403-4 Worker participation, consultation, and communication on occupational health and safety	- Occupational health and safety		-
	403-5 Worker training on occupational health and safety	- Occupational health and safety		-
	403-6 Promotion of worker health	- Occupational health and safety		-
	403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	- Occupational health and safety		-
	403-9 Work-related injuries	- Human Rights and Labor Practices - Occupational health and safety - Appendix		✓
	403-10 Work-related ill health	- Human Rights and Labor Practices - Occupational health and safety - Appendix		✓

GRI	DISCLOSURES	CHAPTER	OMISSION/NOTE	EXTERNAL ASSURANCE
Training and Education				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Leadership and Human Capital Development	-	-
	103-2 The management approach and its components	- Leadership and Human Capital Development	-	-
	103-3 Evaluation of the management approach	- Leadership and Human Capital Development	-	-
GRI 404: Training and Education 2016	404-1 Average hours of training per year per employee	- Appendix	-	-
Human Rights Assessment				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Human Rights and Labor Practices	-	-
	103-2 The management approach and its components	- Human Rights and Labor Practices	-	-
	103-3 Evaluation of the management approach	- Human Rights and Labor Practices	-	-
GRI 412: Human Rights Assessment 2016	412-1 Operations that have been subject to human rights reviews or impact assessments	- Human Rights and Labor Practices	-	-
Local Communities				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Social Impact - Health and Well-being - Education - Water Stewardship - Ecosystem & Biodiversity Protection - Responsible Supply Chain Management	-	-
	103-2 The management approach and its components	- Social Impact - Health and Well-being - Education - Water Stewardship - Ecosystem & Biodiversity Protection - Responsible Supply Chain Management	-	-
	103-3 Evaluation of the management approach	- Social Impact - Health and Well-being - Education - Water Stewardship - Ecosystem & Biodiversity Protection - Responsible Supply Chain Management	-	-
GRI 413: Local Communities 2016	413-1 Operations with local community engagement, impact assessments, and development programs	- Social Impact - Health and Well-being - Education - Water Stewardship - Ecosystem & Biodiversity Protection - Responsible Supply Chain	-	-

GRI	DISCLOSURES	CHARTER	OMISSION / NOTE	EXTERNAL ASSURANCE
Supplier Social Assessment				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Ecosystem & Biodiversity Protection	-	-
	103-2 The management approach and its components	- Ecosystem & Biodiversity Protection	-	-
	103-3 Evaluation of the management approach	- Ecosystem & Biodiversity Protection	-	-
GRI 414 Supplier Social Assessment 2016	414-1 New suppliers that were screened using social criteria	- Ecosystem & Biodiversity Protection	-	-
Product and Service Labeling				
GRI 103: Management Approach	103-1 Explanation of the material topic and its Boundary	- Health and Well -being	-	-
	103-2 The management approach and its components	- Health and Well -being	-	-
	103-3 Evaluation of the management approach	- Health and Well -being	-	-
GRI 417: Marketing and Labeling 2016	417-1 Requirements for product and service information and labeling	- Health and Well -being	-	-
Healthy and Affordable Food				
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	- Health and Well -being - Innovation	-	-
	103-2 The management approach and its components	- Health and Well -being - Innovation	-	-
	103-3 Evaluation of the management approach	- Health and Well -being - Innovation	-	-

SUBSIDIARIES INCLUDED IN SUSTAINABILITY REPORT 2021

The Company produces this Sustainability Report. According to Global Reporting Initiatives (GRI) standards, disclosures follow the Core Option criteria.

GRI Standard	Reporting scope	Year	A company in Crop Integration Business Group																				2021 Data Coverage (%)						
			CPP																	CPS		CPA							
			Charoen Pokphand Products Co., Ltd.																	CP Nature Company Limited (CP Nature)	CP Starline Co., Ltd. (CP Starline)	Charoen Pokphand Agriculture Company Limited (CPA)							
environmental contribution																													
302-1	total energy used *	2564	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00		
		2563	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00	
		2562	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
305-1	Direct GHG emissions (Scope 1) *	2564	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00	
		2563	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00	
		2562	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
305-2	Indirect greenhouse gases (Scope 2)*	2564	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00	
		2563	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
		2562	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
303-3 (2018)	Amount of water drawn for use in all areas*	2564	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00	
		2563	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
		2562	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
303-4 (2018)	Amount of water released to the outside*	2564	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
		2563	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
		2562	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
303-5 (2018)	Amount of water used in all areas*	2564	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
		2563	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
		2562	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65.00
306-3 (2020)	Total amount of waste*	2564	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	55.00
		2563	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	55.00
		2562	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	55.00

Note
 *NA No information available.
 NR not involved
 * Means under the process of merger with CPS and CPA
 ** Means under merger and Sawankhalok Ruam Research Station ,
 Salaang breed research station In the process of collecting information in 2022