Grape King Bio LTD

2024 CDP Corporate Questionnaire 2024

Word version

Important: this export excludes unanswered questions
This document is an export of your organization's CDP questionnaire response. It contains all data points for questions that are answered or in progress. There may be questions or data points that you have been requested to provide, which are missing from this document because they are currently unanswered. Please note that it is your responsibility to verify that your questionnaire response is complete prior to submission. CDP will not be liable for any failure to do so.
Terms of disclosure for corporate questionnaire 2024 - CDP

.

09/23/2024, 07:46 am

Contents

C1. Introduction

(1.1) In which language are you submitting your response?

Select from:

☑ English

(1.2) Select the currency used for all financial information disclosed throughout your response.

Select from:

☑ TWD

(1.3) Provide an overview and introduction to your organization.

(1.3.2) Organization type

Select from:

☑ Publicly traded organization

(1.3.3) Description of organization

"Grape King Bio has established our foothold in Taiwan with leading-edge raw material and product innovations and continue to be one of the leaders in the health food industry. Being a PIC/S GMP and ISO22000, ISO/IEC TAF 17025 and NSF GMP certified manufacturer, we are able to guarantee the highest standards in product safety, quality and manufacturing. "Technology, Health, and Hope" are the core values of Grape King Bio, which we use as part of our vision and mission. Biotechnology is a key trend in the 21st century and is also a the direction for us to deliver long-term and sustainable growth."
[Fixed row]

(1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.

(1.4.1) End date of reporting year

12/31/2023

(1.4.2) Alignment of this reporting period with your financial reporting period

Select from:

☑ Yes

(1.4.3) Indicate if you are providing emissions data for past reporting years

Select from:

☑ Yes

(1.4.4) Number of past reporting years you will be providing Scope 1 emissions data for

Select from:

☑ 4 years

(1.4.5) Number of past reporting years you will be providing Scope 2 emissions data for

Select from:

☑ 4 years

(1.4.6) Number of past reporting years you will be providing Scope 3 emissions data for

Select from:

☑ 1 year

[Fixed row]

(1.5) Provide details on your reporting boundary.

	Is your reporting boundary for your CDP disclosure the same as that used in your financial statements?
	Select from: ☑ Yes

[Fixed row]

(1.6) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

ISIN code - bond

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

ISIN code - equity

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ Yes

(1.6.2) Provide your unique identifier

TW0001707008

CUSIP number

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

Ticker symbol

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ Yes

(1.6.2) Provide your unique identifier

TSE1707

SEDOL code

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

LEI number

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

D-U-N-S number

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

Other unique identifier

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

[Add row]

(1.7) Select the countries/areas in which you operate.

Select all that apply

☑ China

☑ Taiwan, China

(1.24) Has your organization mapped its value chain?

(1.24.1) Value chain mapped

Select from:

☑ Yes, we have mapped or are currently in the process of mapping our value chain

(1.24.2) Value chain stages covered in mapping

Select all that apply

☑ Upstream value chain

☑ Downstream value chain

(1.24.3) Highest supplier tier mapped

Select from:

☑ Tier 1 suppliers

(1.24.4) Highest supplier tier known but not mapped

Select from:

☑ Tier 2 suppliers

(1.24.7) Description of mapping process and coverage

1. Suppliers: Our suppliers can be categorized into raw material suppliers, subcontractors, and project suppliers. 2. Tier-1 suppliers: Tier-1 suppliers are raw material suppliers who directly provide raw materials and other materials to our company, and supplier evaluations are conducted every year.
[Fixed row]

(1.24.1) Have you mapped where in your direct operations or elsewhere in your value chain plastics are produced, commercialized, used, and/or disposed of?

(1.24.1.1) Plastics mapping

Select from:

☑ No, but we plan to within the next two years

(1.24.1.5) Primary reason for not mapping plastics in your value chain

Select from:

☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(1.24.1.6) Explain why your organization has not mapped plastics in your value chain

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to map plastics. We plan to do so within the next two years.
[Fixed row]

C2. Identification, assessment, and management of dependencies, impacts, risks, and opportunities

(2.1) How does your organization define short-, medium-, and long-term time horizons in relation to the identification, assessment, and management of your environmental dependencies, impacts, risks, and opportunities?

Short-term

(2.1.1) From (years)

1

(2.1.3) To (years)

3

(2.1.4) How this time horizon is linked to strategic and/or financial planning

By short term Grape King Bio mean 1 to 3 year which takes us to 2025. This is a normal planning cycle.

Medium-term

(2.1.1) From (years)

3

(2.1.3) To (years)

10

(2.1.4) How this time horizon is linked to strategic and/or financial planning

By medium term Grape King Bio mean 3 to 10 years which takes us to 2030. 2030 also aligns with the timeframe of the UN Sustainable Development Goals.

Long-term

(2.1.1) From (years)

10

(2.1.2) Is your long-term time horizon open ended?

Select from:

☑ Yes

(2.1.4) How this time horizon is linked to strategic and/or financial planning

Reaching carbon neutrality of our Sites and Operations by 2050 is our longest-term action.
[Fixed row]

(2.2) Does your organization have a process for identifying, assessing, and managing environmental dependencies and/or impacts?

(2.2.1) Process in place

Select from:

☑ Yes

(2.2.2) Dependencies and/or impacts evaluated in this process

Select from:

☑ Impacts only

(2.2.4) Primary reason for not evaluating dependencies and/or impacts

Select from:

☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(2.2.5) Explain why you do not evaluate dependencies and/or impacts and describe any plans to do so in the future

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to evaluate dependencies. We plan to do so within the next two years. [Fixed row]

(2.2.1) Does your organization have a process for identifying, assessing, and managing environmental risks and/or opportunities?

	Process in place	Risks and/or opportunities evaluated in this process	Is this process informed by the dependencies and/or impacts process?
	Select from: ☑ Yes	*Select from:* ☑ Both risks and opportunities	*Select from:* ☑ Yes

[Fixed row]

(2.2.2) Provide details of your organization's process for identifying, assessing, and managing environmental dependencies, impacts, risks, and/or opportunities.

Row 1

(2.2.2.1) Environmental issue

Select all that apply

☑ Climate change

(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

☑ Impacts

☑ Risks

☑ Opportunities

(2.2.2.3) Value chain stages covered

Select all that apply

☑ Direct operations

☑ Upstream value chain

☑ Downstream value chain

(2.2.2.4) Coverage

Select from:

☑ Full

(2.2.2.5) Supplier tiers covered

Select all that apply

☑ Tier 1 suppliers

(2.2.2.7) Type of assessment

Select from:

☑ Qualitative and quantitative

(2.2.2.8) Frequency of assessment

Select from:

☑ Annually

(2.2.2.9) Time horizons covered

Select all that apply

☑ Short-term

☑ Medium-term

☑ Long-term

(2.2.2.10) Integration of risk management process

Select from:

☑ Integrated into multi-disciplinary organization-wide risk management process

(2.2.2.11) Location-specificity used

Select all that apply

☑ National

(2.2.2.12) Tools and methods used

Enterprise Risk Management

☑ Enterprise Risk Management

International methodologies and standards

☑ IPCC Climate Change Projections

Databases

☑ Nation-specific databases, tools, or standards

Other

☑ External consultants

☑ Scenario analysis

(2.2.2.13) Risk types and criteria considered

Acute physical

☑ Cyclones, hurricanes, typhoons

☑ Drought

☑ Flood (coastal, fluvial, pluvial, ground water)

☑ Heat waves

☑ Heavy precipitation (rain, hail, snow/ice)

Chronic physical

☑ Changing temperature (air, freshwater, marine water)

Policy

☑ Carbon pricing mechanisms

☑ Changes to national legislation

Market

☑ Availability and/or increased cost of raw materials

☑ Uncertainty in the market signals

Reputation

☑ Increased partner and stakeholder concern and partner and stakeholder negative feedback

Technology

☑ Transition to lower emissions technology and products

(2.2.2.14) Partners and stakeholders considered

Select all that apply

☑ Customers

☑ Employees

☑ Investors

☑ Regulators

☑ Suppliers

(2.2.2.15) Has this process changed since the previous reporting year?

Select from:

☑ No

(2.2.2.16) Further details of process

We have established risk management mechanisms; implement risk assessments, risk identification, and risk handling activities; conduct audits and verifications in line with standard international risk management frameworks. We differentiate risk into financial risks, operational risks, strategic risks, hazard risks, climate change risks. 1. Identifying: Grape King Bio invited the heads and executives of each implementation team to assess the current major climate risks and opportunities through the TCFD questionnaire and build a materiality matrix which identified our climate risks and opportunities. 2. Assessing: We assess physical climate risks, transition climate risks, and opportunities, by possible timeline, degree of Impact, financial impacts, etc. 3. Responding: According to the assessment of each risk, we take appropriate response measures.
[Add row]

(2.2.7) Are the interconnections between environmental dependencies, impacts, risks and/or opportunities assessed?

(2.2.7.1) Interconnections between environmental dependencies, impacts, risks and/or opportunities assessed

Select from:

☑ No

(2.2.7.3) Primary reason for not assessing interconnections between environmental dependencies, impacts, risks and/or opportunities

Select from:

☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(2.2.7.4) Explain why you do not assess the interconnections between environmental dependencies, impacts, risks and/or opportunities

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to assess the interconnections between environmental dependencies, impacts, risks and/or opportunities. We plan to do so within the next two years.
[Fixed row]

(2.3) Have you identified priority locations across your value chain?

(2.3.1) Identification of priority locations

Select from:

☑ No, but we plan to within the next two years

(2.3.7) Primary reason for not identifying priority locations

Select from:

☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(2.3.8) Explain why you do not identify priority locations

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to identify priority locations. We plan to do so within the next two years.
[Fixed row]

(2.4) How does your organization define substantive effects on your organization?

Risks

(2.4.1) Type of definition

Select all that apply

☑ Quantitative

(2.4.2) Indicator used to define substantive effect

Select from:

☑ Direct operating costs

(2.4.3) Change to indicator

Select from:

☑ % increase

(2.4.4) % change to indicator

Select from:

☑ 1-10

(2.4.6) Metrics considered in definition

Select all that apply

☑ Time horizon over which the effect occurs

☑ Likelihood of effect occurring

(2.4.7) Application of definition

Timeline Short-term 2024-2025 Mid-term 2026-2030 Long-term 2031-2050 Level of financial impacts Material - 5% of net profits before tax High - 3.75%-5% of net profits before tax Medium - 0.25%-3.75% of net profits before tax Low - 0.25% of net profits before tax

Opportunities

(2.4.1) Type of definition

Select all that apply

☑ Quantitative

(2.4.2) Indicator used to define substantive effect

Select from:

☑ Revenue

(2.4.3) Change to indicator

Select from:

☑ % increase

(2.4.4) % change to indicator

Select from:

☑ 1-10

(2.4.6) Metrics considered in definition

Select all that apply

☑ Time horizon over which the effect occurs

☑ Likelihood of effect occurring

(2.4.7) Application of definition

Timeline Short-term 2024-2025 Mid-term 2026-2030 Long-term 2031-2050 Level of financial impacts Material - 5% of net profits before tax High - 3.75%-5% of net profits before tax Medium - 0.25%-3.75% of net profits before tax Low - 0.25% of net profits before tax
[Add row]

(2.5) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?

(2.5.1) Identification and classification of potential water pollutants

Select from:

☑ Yes, we identify and classify our potential water pollutants

(2.5.2) How potential water pollutants are identified and classified

Utilize COD concentration for the identification and classification of wastewater. Wastewater with a COD concentration of less than 1000 mg/L is categorized as low-concentration wastewater, whereas wastewater with a COD concentration exceeding 1000 mg/L is categorized as high-concentration wastewater.
[Fixed row]

(2.5.1) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.

Row 1

(2.5.1.1) Water pollutant category

Select from:

☑ Inorganic pollutants

(2.5.1.2) Description of water pollutant and potential impacts

The concentrated water produced by the water production equipment is supplied to the cooling water tower for recycling.

(2.5.1.3) Value chain stage

Select all that apply

☑ Direct operations

(2.5.1.4) Actions and procedures to minimize adverse impacts

Select all that apply

☑ Water recycling

(2.5.1.5) Please explain

In order to expand green benefits, Grape King Bio adheres to the 3R principles (reduce, recycle, reuse) to further optimize waste classification processes for recyclable items while also working to create additional value from waste sludge. Grape King Bio has formulated comprehensive operational procedures for management of wastewater disposal. All discharged wastewater must pass through specific processing procedures, and water quality is inspected periodically to ensure compliance with governmental regulations.
[Add row]

C3. Disclosure of risks and opportunities

(3.1) Have you identified any environmental risks which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?

Climate change

(3.1.1) Environmental risks identified

Select from:

☑ Yes, both in direct operations and upstream/downstream value chain

Water

(3.1.1) Environmental risks identified

Select from:

☑ Yes, both in direct operations and upstream/downstream value chain

Plastics

(3.1.1) Environmental risks identified

Select from:

☑ Yes, only within our direct operations

(3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(3.1.3) Please explain

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to identify. We plan to do so within the next two years.
[Fixed row]

(3.1.1) Provide details of the environmental risks identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.

Climate change

(3.1.1.1) Risk identifier

Select from:

☑ Risk1

(3.1.1.3) Risk types and primary environmental risk driver

Market

☑ Other market risk, please specify

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Upstream value chain

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Taiwan, China

(3.1.1.9) Organization-specific description of risk

In response to customer demand, international advocacy, and the company's own set emission reduction targets, our factories continue to increase the use of

renewable energy, leading to a rise in operational costs.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Increased indirect [operating] costs

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Short-term

☑ Medium-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ Virtually certain

(3.1.1.14) Magnitude

Select from:

☑ Medium-high

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

There are no internationally accepted definitions regarding timelines and financial impacts of climate risks and opportunities, we use the following definitions based on consensuses reached by internal and external experts and internal managers. Level of financial impacts: Material- 5% of net profits before tax. High- 3.75%-5% of net profits before tax. Medium- 0.25%-3.75% of net profits before tax. Low- 0.25% of net profits before tax.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☑ Yes

(3.1.1.19) Anticipated financial effect figure in the short-term – minimum (currency)

99773250

(3.1.1.20) Anticipated financial effect figure in the short-term – maximum (currency)

133031000

(3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)

99773250

(3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)

133031000

(3.1.1.26) Primary response to risk

Infrastructure, technology and spending

☑ Increase environment-related capital expenditure

(3.1.1.29) Description of response

Grape King Bio made a commitment to join the RE100 in 2019. We plan to achieve our first-stage target of 15% renewable energy consumption by 2030 and achieve full use of renewable energies by 2035. In 2023, we achieved a 1.6% energy saving across all three of our factories. Moreover, we completed the installation of our solar photovoltaic system at the Longtan Factory, which generated 205,764 kWh of electricity. Additionally, we made a cumulative purchase of 900,000 kWh of renewable energy.

Water

(3.1.1.1) Risk identifier

Select from:

☑ Risk1

(3.1.1.3) Risk types and primary environmental risk driver

Chronic physical

☑ Rationing of municipal water supply

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Taiwan, China

(3.1.1.7) River basin where the risk occurs

Select all that apply

☑ Unknown

(3.1.1.9) Organization-specific description of risk

Operational pressures and shocks due to scarcity of water resources: The National Science and Technology Center for Disaster Reduction has suggested that climate change will lead to more extreme rainfall discrepancies during the wet and dry seasons, estimating that spring rainfall will decrease by 13.2% and the number of consecutive days without rain in the spring will increase by 55.7% from 2046-2065. Taiwan suffered a large-scale drought during the first half of 2021. The first half of 2023 also brought the most severe drought on record in the south of Taiwan for 30 years. Taoyuan City and many other regions saw a reduction in water pressure, restrictions on water supply, and suspended irrigation. Continued changes in future rainfall characteristics may impact reservoir water volumes and in turn affect corporate water usage.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Increased indirect [operating] costs

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

☑ Long-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ Very likely

(3.1.1.14) Magnitude

Select from:

☑ Medium

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

There are no internationally accepted definitions regarding timelines and financial impacts of climate risks and opportunities, we use the following definitions based on consensuses reached by internal and external experts and internal managers. Level of financial impacts: Material- 5% of net profits before tax. High- 3.75%-5% of net profits before tax. Medium- 0.25%-3.75% of net profits before tax. Low- 0.25% of net profits before tax.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☑ Yes

(3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)

99773250

(3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)

133031000

(3.1.1.23) Anticipated financial effect figure in the long-term – minimum (currency)

99773250

(3.1.1.24) Anticipated financial effect figure in the long-term – maximum (currency)

133031000

(3.1.1.26) Primary response to risk

Infrastructure, technology and spending

☑ Adopt water efficiency, water reuse, recycling and conservation practices

(3.1.1.29) Description of response

Grape King Bio developed a process water recirculation system by making simple adjustments to existing equipment and systems to recycle concentrated process water originally discharged to wastewater plants for reuse in our factories, thereby reducing wasted water resources and wastewater volumes. In 2023, all RO concentrate water at our three factories (Pingzhen Factory, Zhongli Factory, and Longtan Branch) was recycled for reuse in cooling towers, and the total amount of water recycled was 18,989 tons.

Plastics

(3.1.1.1) Risk identifier

Select from:

☑ Risk1

(3.1.1.3) Risk types and primary environmental risk driver

Technology

☑ Transition to lower emissions technology and products

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Taiwan, China

(3.1.1.9) Organization-specific description of risk

To adapt to the development of low-carbon technology, Grape King Bio needs to use recycled materials in product packaging, which increases the cost of lower emissions technology.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Increased capital expenditures

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Short-term

☑ Medium-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ Very likely

(3.1.1.14) Magnitude

Select from:

☑ Medium-high

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

There are no internationally accepted definitions regarding timelines and financial impacts of climate risks and opportunities, we use the following definitions based on

consensuses reached by internal and external experts and internal managers. Level of financial impacts: Material- 5% of net profits before tax. High- 3.75%-5% of net profits before tax. Medium- 0.25%-3.75% of net profits before tax. Low- 0.25% of net profits before tax.

(3.1.1.26) Primary response to risk

Infrastructure, technology and spending

☑ Take action to switch to recycled content to reduce virgin plastic

(3.1.1.29) Description of response

We actively work to reduce the environmental impacts from our product lifecycles. In terms of sustainable packaging, recyclable plastic materials are one of the main packaging products used by Grape King Bio, and we will continue to establish recycling sites. We also continue to assess and develop products which use packaging made from plastic-free paper materials and recyclable materials.

Climate change

(3.1.1.1) Risk identifier

Select from:

☑ Risk2

(3.1.1.3) Risk types and primary environmental risk driver

Technology

☑ Transition to lower emissions technology and products

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Taiwan, China

(3.1.1.9) Organization-specific description of risk

To adapt to the development of low-carbon technology, Grape King Bio needs to use recycled materials in product packaging, which increases the cost of lower emissions technology.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Increased indirect [operating] costs

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Short-term

☑ Medium-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ Very likely

(3.1.1.14) Magnitude

Select from:

☑ Medium-high

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

There are no internationally accepted definitions regarding timelines and financial impacts of climate risks and opportunities, we use the following definitions based on consensuses reached by internal and external experts and internal managers. Level of financial impacts: Material- 5% of net profits before tax. High- 3.75%-5% of net profits before tax. Medium- 0.25%-3.75% of net profits before tax. Low- 0.25% of net profits before tax.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☑ Yes

(3.1.1.19) Anticipated financial effect figure in the short-term – minimum (currency)

99773250

(3.1.1.20) Anticipated financial effect figure in the short-term – maximum (currency)

133031000

(3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)

99773250

(3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)

133031000

(3.1.1.26) Primary response to risk

Infrastructure, technology and spending

☑ Take action to move from single-use plastic products/packaging towards reuse models

(3.1.1.29) Description of response

We actively work to reduce the environmental impacts from our product lifecycles. In terms of sustainable packaging, recyclable plastic materials are one of the main packaging products used by Grape King Bio, and we will continue to establish recycling sites. We also continue to assess and develop products which use packaging made from plastic-free paper materials and recyclable materials.

Climate change

(3.1.1.1) Risk identifier

Select from:

☑ Risk3

(3.1.1.3) Risk types and primary environmental risk driver

Policy

☑ Changes to regulation of existing products and services

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Upstream value chain

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Taiwan, China

(3.1.1.9) Organization-specific description of risk

To achieve our carbon reduction goals, operational costs have increased.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Increased cost of capital

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ Very likely

(3.1.1.14) Magnitude

Select from:

☑ Medium-high

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

There are no internationally accepted definitions regarding timelines and financial impacts of climate risks and opportunities, we use the following definitions based on consensuses reached by internal and external experts and internal managers. Level of financial impacts: Material- 5% of net profits before tax. High- 3.75%-5% of net profits before tax. Medium- 0.25%-3.75% of net profits before tax. Low- 0.25% of net profits before tax.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☑ Yes

(3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)

99773250

(3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)

133031000

(3.1.1.26) Primary response to risk

Engagement

☑ Engage with suppliers

(3.1.1.29) Description of response

In 2023, Grape King Bio established four strategies to prevent stockouts, including completion rates of customer orders, Pro-Partner's continuous supply goals, raw

materials and spare components assessment goals, response rates of sustainability self-assessment surveys from significantsuppliers, and SIMP promotion rates. For more information, please refer to 2023 ESG Report 2.1.1 Procurement Strategy.

Climate change

(3.1.1.1) Risk identifier

Select from:

☑ Risk4

(3.1.1.3) Risk types and primary environmental risk driver

Reputation

☑ Increased partner and stakeholder concern or negative partner and stakeholder feedback

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Downstream value chain

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ Taiwan, China

(3.1.1.9) Organization-specific description of risk

In response to the ESG demands of customers in the value chain, if the company's sustainability performance does not progress, it could lose favor with investors and impact product demand.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Brand damage

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Medium-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ Very likely

(3.1.1.14) Magnitude

Select from:

☑ Medium-high

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

There are no internationally accepted definitions regarding timelines and financial impacts of climate risks and opportunities, we use the following definitions based on consensuses reached by internal and external experts and internal managers. Level of financial impacts: Material- 5% of net profits before tax. High- 3.75%-5% of net profits before tax. Medium- 0.25%-3.75% of net profits before tax. Low- 0.25% of net profits before tax.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☑ Yes

(3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)

99773250

(3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)

133031000

(3.1.1.26) Primary response to risk

Engagement

☑ Engage in multi-stakeholder initiatives

(3.1.1.29) Description of response

In response to the heightened focus of investors on the ESG performance of the company, Grape King Bio is proactively addressing this issue. To meet investors' expectations and maintain market competitiveness, we have been striving to improve our ESG performance, enhance communication with investors, and incorporate feedback into our strategic planning.
[Add row]

(3.2) Within each river basin, how many facilities are exposed to substantive effects of water-related risks, and what percentage of your total number of facilities does this represent?

Row 1

(3.2.1) Country/Area & River basin

Taiwan, China

☑ Unknown

(3.2.2) Value chain stages where facilities at risk have been identified in this river basin

Select all that apply

☑ Direct operations

(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

4

(3.2.4) % of your organization’s total facilities within direct operations exposed to water-related risk in this river basin

Select from:

☑ Less than 1%

(3.2.10) % organization's total global revenue that could be affected

Select from:

☑ Less than 1%

(3.2.11) Please explain

Our main factories are in Taiwan and there are less water-related risks
[Add row]

(3.3) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

(3.3.1) Water-related regulatory violations

Select from:

☑ Yes

(3.3.2) Fines, enforcement orders, and/or other penalties

Select all that apply

☑ Fines, but none that are considered as significant

(3.3.3) Comment

During the audit of the water discharge permit for Zhongli Plant, it was found that four manholes are in use, but they are not listed in the water discharge permit. The water discharge permit has been updated to include all data on catch basins, and the new water discharge permit is expected to be obtained by February 28, 2024.
[Fixed row]

(3.3.1) Provide the total number and financial value of all water-related fines.

(3.3.1.1) Total number of fines

1

(3.3.1.2) Total value of fines

60000

(3.3.1.3) % of total facilities/operations associated

25

(3.3.1.4) Number of fines compared to previous reporting year

Select from:

☑ Higher

(3.3.1.5) Comment

Grape King Bio did not incur any violations of legal standards related to water quality/ quantity permits in 2022.
[Fixed row]

(3.5) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

Select from:

☑ No, but we anticipate being regulated in the next three years

(3.5.4) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

Grape King Bio reviews all company operating procedures based on the highest standards available and implements corporate governance. We constantly pay attention to the latest legal trends and adjust our actions accordingly.

(3.6) Have you identified any environmental opportunities which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?

Climate change

(3.6.1) Environmental opportunities identified

Select from:

☑ Yes, we have identified opportunities, and some/all are being realized

Water

(3.6.1) Environmental opportunities identified

Select from:

☑ No

(3.6.2) Primary reason why your organization does not consider itself to have environmental opportunities

Select from:

☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(3.6.3) Please explain

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to identify. We plan to do so within the next two years.
[Fixed row]

(3.6.1) Provide details of the environmental opportunities identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.

Climate change

(3.6.1.1) Opportunity identifier

Select from:

☑ Opp1

(3.6.1.3) Opportunity type and primary environmental opportunity driver

Markets

☑ Expansion into new markets

(3.6.1.4) Value chain stage where the opportunity occurs

Select from:

☑ Direct operations

(3.6.1.5) Country/area where the opportunity occurs

Select all that apply

☑ Taiwan, China

(3.6.1.8) Organization specific description

Expand ESG disclosures to attract investor interest: In the face of climate change, Grape King Bio is responding to global climate goals by committing to join the RE100 initiative and disclose information through TCFD (Task Force on Climate-related Financial Disclosures). This allows investors to better understand the company's emphasis and actions on climate change-related issues, gaining their attention.

(3.6.1.9) Primary financial effect of the opportunity

Select from:

☑ Increased revenues through access to new and emerging markets

(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

☑ Short-term

☑ Medium-term

(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

☑ Likely (66–100%)

(3.6.1.12) Magnitude

Select from:

☑ Medium-high

(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

There are no internationally accepted definitions regarding timelines and financial impacts of climate risks and opportunities, we use the following definitions based on consensuses reached by internal and external experts and internal managers. Level of financial impacts: Material- 5% of net profits before tax. High- 3.75%-5% of net profits before tax. Medium- 0.25%-3.75% of net profits before tax. Low- 0.25% of net profits before tax.

(3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

☑ Yes

(3.6.1.17) Anticipated financial effect figure in the short-term - minimum (currency)

99773250

(3.6.1.18) Anticipated financial effect figure in the short-term – maximum (currency)

133031000

(3.6.1.19) Anticipated financial effect figure in the medium-term - minimum (currency)

99773250

(3.6.1.20) Anticipated financial effect figure in the medium-term - maximum (currency)

133031000

(3.6.1.26) Strategy to realize opportunity

In response to the impacts of climate change, Grape King Bio has pledged to join the RE100 initiative and has signed on as a TCFD (Task Force on Climate-related Financial Disclosures) Supporter to disclose information. This demonstrates our commitment to global climate goals and underlines our focus on climate change risk. [Add row]

C4. Governance

(4.1) Does your organization have a board of directors or an equivalent governing body?

(4.1.1) Board of directors or equivalent governing body

Select from:

☑ Yes

(4.1.2) Frequency with which the board or equivalent meets

Select from:

☑ More frequently than quarterly

(4.1.3) Types of directors your board or equivalent is comprised of

Select all that apply

☑ Non-executive directors or equivalent

☑ Independent non-executive directors or equivalent

(4.1.4) Board diversity and inclusion policy

Select from:

☑ Yes, and it is publicly available

(4.1.5) Briefly describe what the policy covers

The Company already established a diversification policy and concrete management goals for the diversification of Directors as follows: On the 10th of November, 2015, the Company approved the Corporate Governance Best Practice Principles in the 4th board meeting of the 18th session, which drafted diversification guidelines: Overall Required Competencies of the Board of Directors, stated in Article 20. The composition of the board members should be diversified. Besides the fact that Directors who took the post of part-time managers had better not exceed one-third of the board seats, it is necessary to draft appropriate diversification guidelines according to operation, type of business and need of development, including but not limited to the standards of the two perspectives below: a. Basic Requirements and Values: gender, age, nationality, culture, etc. b. Professional Knowledge and Skills: professional background (law, accounting, industry, finance, marketing or technology), professional skills, industry experience, etc.

(4.1.6) Attach the policy (optional)

2023_annual_report-EN.pdf
[Fixed row]

(4.1.1) Is there board-level oversight of environmental issues within your organization?

Climate change

(4.1.1.1) Board-level oversight of this environmental issue

Select from:
☑ Yes

Water

(4.1.1.1) Board-level oversight of this environmental issue

Select from:
☑ Yes

Biodiversity

(4.1.1.1) Board-level oversight of this environmental issue

Select from:
☑ No, but we plan to within the next two years

(4.1.1.2) Primary reason for no board-level oversight of this environmental issue

Select from:
☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(4.1.1.3) Explain why your organization does not have board-level oversight of this environmental issue

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to have board-level oversight of environmental issues. We plan to do so within the next two years.
[Fixed row]

(4.1.2) Identify the positions (do not include any names) of the individuals or committees on the board with accountability for environmental issues and provide details of the board's oversight of environmental issues.

Climate change

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

☑ Board chair

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

☑ No

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

☑ Scheduled agenda item in some board meetings – at least annually

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

☑ Reviewing and guiding annual budgets
☑ Overseeing and guiding scenario analysis
☑ Overseeing the setting of corporate targets
☑ Monitoring progress towards corporate targets
☑ Approving corporate policies and/or commitments
☑ Approving and/or overseeing employee incentives
☑ Overseeing reporting, audit, and verification processes
☑ Monitoring the implementation of a climate transition plan
☑ Monitoring compliance with corporate policies and/or commitments
☑ Overseeing and guiding the development of a climate transition plan
☑ Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities

(4.1.2.7) Please explain

The Sustainability and ESG Committee was established under the general manager's office. Our Chairman and CEO is the same person. And Our Chairman and CEO serves as the highest authority of the Committee and senior executives serve as committee members. Representatives from other units (Finance Division, R&D Division, Manufacturing Division, Supply Chain Division, Sales and Marketing Division, Administration Division, Industrial Safety Department, Human Resource Department, and Foreign Investor Relations) also serve as committee members. The Sustainability and ESG Committee convenes periodically to organize and implement annual ESG plans. Apart from convening quarterly meetings with all units and related work teams, committee members also convene midyear and year-end ESG target discussion meetings and report on ESG implementation results and plans. Implementation results and areas for improvement are periodically submitted to our Chairman and Board for review. Our Chairman serves as the head of the Sustainability and ESG Committee. The Committee convenes once every six months to review progress reports associated with the targets of each project team. Project teams such as the climate change, greenhouse gas, and RE100 implementation teams have been established under the Sustainability and ESG Committee and are dedicated to the actions and goals of relevant issues.

Water

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

☑ Board chair

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

☑ No

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

☑ Scheduled agenda item in some board meetings – at least annually

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

☑ Reviewing and guiding annual budgets

☑ Overseeing the setting of corporate targets

☑ Monitoring progress towards corporate targets

☑ Overseeing reporting, audit, and verification processes

☑ Monitoring compliance with corporate policies and/or commitments

☑ Approving corporate policies and/or commitments

☑ Approving and/or overseeing employee incentives

(4.1.2.7) Please explain

The Sustainability and ESG Committee was established under the general manager's office. Our Chairman and CEO is the same person. And Our Chairman and CEO serves as the highest authority of the Committee and senior executives serve as committee members. Representatives from other units (Finance Division, R&D Division, Manufacturing Division, Supply Chain Division, Sales and Marketing Division, Administration Division, Industrial Safety Department, Human Resource Department, and Foreign Investor Relations) also serve as committee members. The Sustainability and ESG Committee convenes periodically to organize and implement annual ESG plans. Apart from convening quarterly meetings with all units and related work teams, committee members also convene midyear and year-end ESG target discussion meetings and report on ESG implementation results and plans. Implementation results and areas for improvement are periodically submitted to our Chairman and Board for review. Our Chairman serves as the head of the Sustainability and ESG Committee. The Committee convenes once every six months to review progress reports associated with the targets of each project team. Project teams such as the climate change, greenhouse gas, and RE100 implementation teams have been established under the Sustainability and ESG Committee and are dedicated to the actions and goals of relevant issues.
[Fixed row]

(4.2) Does your organization's board have competency on environmental issues?

Climate change

(4.2.1) Board-level competency on this environmental issue

Select from:

☑ Yes

(4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

☑ Engaging regularly with external stakeholders and experts on environmental issues

Water

(4.2.1) Board-level competency on this environmental issue

Select from:

☑ Yes

(4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

☑ Engaging regularly with external stakeholders and experts on environmental issues

[Fixed row]

(4.3) Is there management-level responsibility for environmental issues within your organization?

Climate change

(4.3.1) Management-level responsibility for this environmental issue

Select from:

☑ Yes

Water

(4.3.1) Management-level responsibility for this environmental issue

Select from:

☑ Yes

Biodiversity

(4.3.1) Management-level responsibility for this environmental issue

Select from:

☑ No, but we plan to within the next two years

(4.3.2) Primary reason for no management-level responsibility for environmental issues

Select from:

☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(4.3.3) Explain why your organization does not have management-level responsibility for environmental issues

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to manage for biodiversity. We plan to do so within the next two years. [Fixed row]

(4.3.1) Provide the highest senior management-level positions or committees with responsibility for environmental issues (do not include the names of individuals).

Climate change

(4.3.1.1) Position of individual or committee with responsibility

Executive level

☑ Chief Executive Officer (CEO)

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

☑ Assessing environmental dependencies, impacts, risks, and opportunities

☑ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

☑ Managing environmental dependencies, impacts, risks, and opportunities

Policies, commitments, and targets

☑ Monitoring compliance with corporate environmental policies and/or commitments

☑ Measuring progress towards environmental corporate targets

☑ Measuring progress towards environmental science-based targets

☑ Setting corporate environmental policies and/or commitments

☑ Setting corporate environmental targets

Strategy and financial planning

☑ Developing a climate transition plan

☑ Implementing a climate transition plan

☑ Managing annual budgets related to environmental issues

☑ Managing environmental reporting, audit, and verification processes

Other

☑ Providing employee incentives related to environmental performance

(4.3.1.4) Reporting line

Select from:

☑ Reports to the board directly

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

☑ Quarterly

(4.3.1.6) Please explain

The Sustainability and ESG Committee was established under the general manager's office. Our Chairman and CEO is the same person. And Our Chairman and CEO serves as the highest authority of the Committee and senior executives serve as committee members. Representatives from other units (Finance Division, R&D Division, Manufacturing Division, Supply Chain Division, Sales and Marketing Division, Administration Division, Industrial Safety Department, Human Resource Department, and Foreign Investor Relations) also serve as committee members. The Sustainability and ESG Committee convenes periodically to organize and implement annual ESG plans. Apart from convening quarterly meetings with all units and related work teams, committee members also convene midyear and year-end ESG target discussion meetings and report on ESG implementation results and plans. Implementation results and areas for improvement are periodically submitted to our Chairman and Board for review. Our Chairman serves as the head of the Sustainability and ESG Committee. The Committee convenes once every six months to review progress reports associated with the targets of each project team. Project teams such as the climate change, greenhouse gas, and RE100 implementation teams have been established under the Sustainability and ESG Committee and are dedicated to the actions and goals of relevant issues.

Water

(4.3.1.1) Position of individual or committee with responsibility

Executive level

☑ Chief Executive Officer (CEO)

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

☑ Assessing environmental dependencies, impacts, risks, and opportunities

☑ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

☑ Managing environmental dependencies, impacts, risks, and opportunities

Policies, commitments, and targets

☑ Monitoring compliance with corporate environmental policies and/or commitments

☑ Measuring progress towards environmental corporate targets

☑ Setting corporate environmental policies and/or commitments

☑ Setting corporate environmental targets

Strategy and financial planning

☑ Managing annual budgets related to environmental issues

☑ Managing environmental reporting, audit, and verification processes

Other

☑ Providing employee incentives related to environmental performance

(4.3.1.4) Reporting line

Select from:

☑ Reports to the board directly

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

☑ Quarterly

(4.3.1.6) Please explain

The Sustainability and ESG Committee was established under the general manager's office. Our Chairman and CEO is the same person. And Our Chairman and CEO serves as the highest authority of the Committee and senior executives serve as committee members. Representatives from other units (Finance Division, R&D Division, Manufacturing Division, Supply Chain Division, Sales and Marketing Division, Administration Division, Industrial Safety Department, Human Resource Department, and Foreign Investor Relations) also serve as committee members. The Sustainability and ESG Committee convenes periodically to organize and implement annual ESG plans. Apart from convening quarterly meetings with all units and related work teams, committee members also convene midyear and year-end ESG target discussion meetings and report on ESG implementation results and plans. Implementation results and areas for improvement are periodically submitted to our Chairman and Board for review. Our Chairman serves as the head of the Sustainability and ESG Committee. The Committee convenes once every six months to review progress reports associated with the targets of each project team. Project teams such as the climate change, greenhouse gas, and RE100 implementation teams have been established under the Sustainability and ESG Committee and are dedicated to the actions and goals of relevant issues.
[Add row]

(4.5) Do you provide monetary incentives for the management of environmental issues, including the attainment of targets?

	Provision of monetary incentives related to this environmental issue
Climate change	*Select from:* ☑ Yes
Water	*Select from:* ☑ Yes

[Fixed row]

(4.5.1) Provide further details on the monetary incentives provided for the management of environmental issues (do not include the names of individuals).

Climate change

(4.5.1.1) Position entitled to monetary incentive

Board or executive level

☑ Chief Executive Officer (CEO)

(4.5.1.2) Incentives

Select all that apply

☑ Bonus - % of salary

(4.5.1.3) Performance metrics

Targets

☑ Achievement of environmental targets

Resource use and efficiency

☑ Reduction in total energy consumption

(4.5.1.4) Incentive plan the incentives are linked to

Select from:

☑ Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

(4.5.1.5) Further details of incentives

The current salary structure for our general manager includes both fixed and variable salary components. Our remuneration policies are mainly performance-oriented, so all fixed salaries are designed using the results of our salary surveys and are implemented according to the guidelines on P45-50. Variableremuneration are based on assessments of annual KPIs, achievement of production indicators, and EPS performance. The 2023 climate-related annual target is to verify the ISO 14064 greenhouse gas inventory system and achieve a 1.5% electricity saving rate.

(4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

We have designed a specific remuneration system for our CEO, which integrates KPIs and short-to-medium term incentive systems that are used to determine salary levels for the CEO after review and confirmation by the Remuneration Committee. The remuneration for our CEO is linked to assessments of corporate targets, production indicators, EPS performance, and strategic project targets. The 2023 climate-related annual target is to to verify the ISO 14064 greenhouse gas inventory

system and achieve a 1.5% electricity saving rate. The greenhouse gas inventory is the beginning of the climate transition plan. After confirming the company's GHG emissions, we will set annual carbon reduction targets. Through the implementation of reduction measures, reduce the company's greenhouse gas emissions and related carbon costs.

Water

(4.5.1.1) Position entitled to monetary incentive

Board or executive level

☑ Chief Executive Officer (CEO)

(4.5.1.2) Incentives

Select all that apply

☑ Bonus - % of salary

(4.5.1.3) Performance metrics

Targets

☑ Achievement of environmental targets

(4.5.1.4) Incentive plan the incentives are linked to

Select from:

☑ Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

(4.5.1.5) Further details of incentives

The current salary structure for our general manager includes both fixed and variable salary components. Our remuneration policies are mainly performance-oriented, so all fixed salaries are designed using the results of our salary surveys and are implemented according to the guidelines on P45-50. Variableremuneration are based on assessments of annual KPIs, achievement of production indicators, and EPS performance.

(4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

We have designed a specific remuneration system for our CEO, which integrates KPIs and short-to-medium term incentive systems that are used to determine salary levels for the CEO after review and confirmation by the Remuneration Committee. The remuneration for our CEO is linked to assessments of corporate targets, production indicators, EPS performance, and strategic project targets.

Climate change

(4.5.1.1) Position entitled to monetary incentive

Board or executive level

☑ Chief Sustainability Officer (CSO)

(4.5.1.2) Incentives

Select all that apply

☑ Bonus - % of salary

(4.5.1.3) Performance metrics

Targets

☑ Achievement of environmental targets

Resource use and efficiency

☑ Reduction in total energy consumption

(4.5.1.4) Incentive plan the incentives are linked to

Select from:

☑ Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

(4.5.1.5) Further details of incentives

Performance evaluation systems: At the beginning of each year, we set goals for each department (including corporate targets, department targets, and personal targets) based on important annual targets set by the Company, and review and confirm progress throughout the year. We conduct yearend evaluation interviews to verify performance, and evaluation results are used as a basis for determining promotions, salary adjustments, bonuses, and remuneration. The 2023 climate-related

annual target is to to verify the ISO 14064 greenhouse gas inventory system and achieve a 1.5% electricity saving rate.

(4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

The 2023 climate-related annual target is to to verify the ISO 14064 greenhouse gas inventory system and achieve a 1.5% electricity saving rate. We implement the following target andperformance management system: (1) Our targets are set for each level from the top down At the beginning of the year, the general manager's office responds to future developments and formulates annual operational targets. The managers of each department take on these targets based on department functions, following which our colleagues in each department take on work duties associated with work targets. (2) Target achievements are supported for each level from the bottom up Achievements of personal targets make it possible for each department to achieve their departmental targets, which in turn make it possible for corporate operational targets to be completed.

Climate change

(4.5.1.1) Position entitled to monetary incentive

Senior-mid management

☑ Energy manager

(4.5.1.2) Incentives

Select all that apply

☑ Bonus - % of salary

(4.5.1.3) Performance metrics

Emission reduction

☑ Increased share of renewable energy in total energy consumption

Resource use and efficiency

☑ Energy efficiency improvement

☑ Reduction in total energy consumption

(4.5.1.4) Incentive plan the incentives are linked to

Select from:

☑ Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

(4.5.1.5) Further details of incentives

Performance evaluation systems: At the beginning of each year, we set goals for each department (including corporate targets, department targets, and personal targets) based on important annual targets set by the Company, and review and confirm progress throughout the year. We conduct yearend evaluation interviews to verify performance, and evaluation results are used as a basis for determining promotions, salary adjustments, bonuses, and remuneration. The 2023 climate-related annual target is to to verify the ISO 14064 greenhouse gas inventory system and achieve a 1.5% electricity saving rate.

(4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

The 2023 climate-related annual target is to to verify the ISO 14064 greenhouse gas inventory system and achieve a 1.5% electricity saving rate. We implement the following target andperformance management system: (1) Our targets are set for each level from the top down At the beginning of the year, the general manager's office responds to future developments and formulates annual operational targets. The managers of each department take on these targets based on department functions, following which our colleagues in each department take on work duties associated with work targets. (2) Target achievements are supported for each level from the bottom up Achievements of personal targets make it possible for each department to achieve their departmental targets, which in turn make it possible for corporate operational targets to be completed.
[Add row]

(4.6) Does your organization have an environmental policy that addresses environmental issues?

	Does your organization have any environmental policies?
	Select from: ☑ Yes

[Fixed row]

(4.6.1) Provide details of your environmental policies.

Row 1

(4.6.1.1) Environmental issues covered

Select all that apply

☑ Climate change

☑ Water

(4.6.1.2) Level of coverage

Select from:

☑ Organization-wide

(4.6.1.3) Value chain stages covered

Select all that apply

☑ Direct operations

(4.6.1.4) Explain the coverage

Organization-wide

(4.6.1.5) Environmental policy content

Environmental commitments

☑ Commitment to avoidance of negative impacts on threatened and protected species

☑ Commitment to comply with regulations and mandatory standards

Climate-specific commitments

☑ Commitment to 100% renewable energy

Water-specific commitments

☑ Commitment to reduce or phase out hazardous substances

☑ Commitment to control/reduce/eliminate water pollution

☑ Commitment to reduce water consumption volumes

(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

☑ No, but we plan to align in the next two years

(4.6.1.7) Public availability

Select from:

☑ Publicly available

(4.6.1.8) Attach the policy

Grape King Bio's Environmental, Health, and Safety (EHS) and Energy Policy - EN.pdf
[Add row]

(4.10) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

(4.10.1) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

Select from:

☑ Yes

(4.10.2) Collaborative framework or initiative

Select all that apply

☑ RE100

☑ Science-Based Targets Initiative (SBTi)

☑ Task Force on Climate-related Financial Disclosures (TCFD)

(4.10.3) Describe your organization’s role within each framework or initiative

RE100- Grape King Bio joined the international RE100 renewable energy initiative in 2019 and committed to the first stage of 15% usage of renewable energy by 2030 and the second stage of 100% usage of renewable energy by 2035. SBTi- In 2023, Committed to Science Based Targets Initiative(SBTi). TCFD- In 2021, First health care enterprise in Taiwan to become TCFD Supporter.
[Fixed row]

(4.11) In the reporting year, did your organization engage in activities that could directly or indirectly influence policy, law, or regulation that may (positively or negatively) impact the environment?

(4.11.1) External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the environment

Select all that apply

☑ Yes, we engaged indirectly through, and/or provided financial or in-kind support to a trade association or other intermediary organization or individual whose activities could influence policy, law, or regulation

(4.11.2) Indicate whether your organization has a public commitment or position statement to conduct your engagement activities in line with global environmental treaties or policy goals

Select from:

☑ Yes, we have a public commitment or position statement in line with global environmental treaties or policy goals

(4.11.3) Global environmental treaties or policy goals in line with public commitment or position statement

Select all that apply

☑ Paris Agreement

(4.11.4) Attach commitment or position statement

SBT-Commitment-Letter_202304-GKBç°½æ ¸.pdf

(4.11.5) Indicate whether your organization is registered on a transparency register

Select from:

☑ Yes

(4.11.6) Types of transparency register your organization is registered on

Select all that apply

☑ Non-government register

(4.11.7) Disclose the transparency registers on which your organization is registered & the relevant ID numbers for your organization

Committed to Science Based Targets Initiative (SBTi)

(4.11.8) Describe the process your organization has in place to ensure that your external engagement activities are consistent with your environmental commitments and/or transition plan

In order to ensure compliance with the company's climate change strategy, the climate change participation activities can only be implemented after the proposal is confirmed by the ESG Committee.
[Fixed row]

(4.11.2) Provide details of your indirect engagement on policy, law, or regulation that may (positively or negatively) impact the environment through trade associations or other intermediary organizations or individuals in the reporting year.

Row 1

(4.11.2.1) Type of indirect engagement

Select from:

☑ Indirect engagement via other intermediary organization or individual

(4.11.2.2) Type of organization or individual

Select from:

☑ Non-Governmental Organization (NGO) or charitable organization

(4.11.2.3) State the organization or position of individual

Taiwan Center for Corporate sustainability invites industries to cooperate on corporate social responsibility and sustainable development. Mission is: • Introduce international sustainability and create the vision of sustainable development of enterprises • Encourage sustainable innovation • Adapt to climate change • Commitment to social impact

(4.11.2.5) Environmental issues relevant to the policies, laws, or regulations on which the organization or individual has taken a position

Select all that apply

☑ Climate change

(4.11.2.6) Indicate whether your organization's position is consistent with the organization or individual you engage with

Select from:

☑ Consistent

(4.11.2.7) Indicate whether your organization attempted to influence the organization or individual's position in the reporting year

Select from:

☑ Yes, we publicly promoted their current position

(4.11.2.8) Describe how your organization's position is consistent with or differs from the organization or individual's position, and any actions taken to influence their position

Our position Is consistent with the Taiwan Center for Corporate sustainability.

(4.11.2.9) Funding figure your organization provided to this organization or individual in the reporting year (currency)

8750

(4.11.2.10) Describe the aim of this funding and how it could influence policy, law or regulation that may impact the environment

CCS shares international sustainability trend research and industry feedback, and communicates with the government, which could influence policy, law, or regulation that may impact the climate. Our chairman serves as a director of the Taiwan Center for Corporate Sustainability and attends quarterly director meetings. We also work with other enterprises to mitigate climate change issues through our efforts, actions, and contributions.

(4.11.2.11) Indicate if you have evaluated whether your organization's engagement is aligned with global environmental treaties or policy goals

Select from:

☑ No, we have not evaluated

[Add row]

(4.12) Have you published information about your organization's response to environmental issues for this reporting year in places other than your CDP response?

Select from:

☑ Yes

(4.12.1) Provide details on the information published about your organization's response to environmental issues for this reporting year in places other than your CDP response. Please attach the publication.

Row 1

(4.12.1.1) Publication

Select from:

☑ In voluntary sustainability reports

(4.12.1.3) Environmental issues covered in publication

Select all that apply

☑ Climate change

☑ Water

(4.12.1.4) Status of the publication

Select from:

☑ Complete

(4.12.1.5) Content elements

Select all that apply

- ☑ Strategy
- ☑ Governance
- ☑ Emissions figures
- ☑ Risks & Opportunities
- ☑ Water accounting figures
- ☑ Water pollution indicators
- ☑ Content of environmental policies

(4.12.1.6) Page/section reference

P.123-CH6 Green Environment

(4.12.1.7) Attach the relevant publication

20240611_ESGReport_EN_all_compressed.pdf

(4.12.1.8) Comment

2023 ESG Report
[Add row]

C5. Business strategy

(5.1) Does your organization use scenario analysis to identify environmental outcomes?

Climate change

(5.1.1) Use of scenario analysis

Select from:

☑ Yes

(5.1.2) Frequency of analysis

Select from:

☑ Annually

Water

(5.1.1) Use of scenario analysis

Select from:

☑ Yes

(5.1.2) Frequency of analysis

Select from:

☑ Annually

[Fixed row]

(5.1.1) Provide details of the scenarios used in your organization's scenario analysis.

Climate change

(5.1.1.1) Scenario used

Physical climate scenarios

☑ RCP 8.5

(5.1.1.2) Scenario used SSPs used in conjunction with scenario

Select from:

☑ SSP5

(5.1.1.3) Approach to scenario

Select from:

☑ Quantitative

(5.1.1.4) Scenario coverage

Select from:

☑ Country/area

(5.1.1.5) Risk types considered in scenario

Select all that apply

☑ Chronic physical

(5.1.1.6) Temperature alignment of scenario

Select from:

☑ 3.0ºC - 3.4ºC

(5.1.1.7) Reference year

1995

(5.1.1.8) Timeframes covered

Select all that apply

☑ 2025
☑ 2030
☑ 2040
☑ 2050
☑ 2060
☑ 2070
☑ 2080
☑ 2090
☑ 2100

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

☑ Changes to the state of nature

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

Although no major physical climate-related risks were identified in this climate risk and opportunity assessment, multiple international scientific reports have indicated that climate change will dramatically impact the environment and human health in the long term. Therefore, Grape King Bio continues to utilize the AR6 statistically downscaled data proposed from the Taiwan Climate Change Projection Information and Adoption Knowledge Platform (TCCIP) to run analyses in Taoyuan City (where main production bases of Grape King Bio and Pro-Partner are located) to understand the "changes in annual maximum value of daily maximum temperature (Note 1)" and "rate of change in annual maximum 1-day precipitation (Note 2)" under the worst-case scenario (SSP5-8.5). Compared with the base period (1995-2014), Taoyuan City is expected to see an average rise in temperature of 1.6C and reach maximum temperatures of 35.4C in 2050. Research conducted by Academia Sinica based on information taken from the National Health Insurance Research Database shows that the number of days where the temperature was higher than 34C has increased, and this has increased the number of emergency patients suffering from heat stroke and other associated conditions. Additionally, the rate of change in annual maximum 1-day precipitation will increase by 13.8% in 2050, reaching 213.5 mm, thereby increasing the risks of "short-duration intense rainfall." Current municipal drainage systems may not be able to drain the excess water in a timely manner, so cities and factories are at risk of flood, and people outdoors may be at risk of emergencies.

(5.1.1.11) Rationale for choice of scenario

We uses worst-case scenarios to manage risks and try to prevent the worst from happening.

Water

(5.1.1.1) Scenario used

Physical climate scenarios

☑ RCP 8.5

(5.1.1.2) Scenario used SSPs used in conjunction with scenario

Select from:

☑ SSP5

(5.1.1.3) Approach to scenario

Select from:

☑ Quantitative

(5.1.1.4) Scenario coverage

Select from:

☑ Country/area

(5.1.1.5) Risk types considered in scenario

Select all that apply

☑ Chronic physical

(5.1.1.6) Temperature alignment of scenario

Select from:

☑ 3.0ºC - 3.4ºC

(5.1.1.7) Reference year

1995

(5.1.1.8) Timeframes covered

Select all that apply

☑ 2025
☑ 2030
☑ 2040
☑ 2050
☑ 2060
☑ 2070
☑ 2080
☑ 2090
☑ 2100

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

☑ Changes to the state of nature

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

Although no major physical climate-related risks were identified in this climate risk and opportunity assessment, multiple international scientific reports have indicated that climate change will dramatically impact the environment and human health in the long term. Therefore, Grape King Bio continues to utilize the AR6 statistically downscaled data proposed from the Taiwan Climate Change Projection Information and Adoption Knowledge Platform (TCCIP) to run analyses in Taoyuan City (where main production bases of Grape King Bio and Pro-Partner are located) to understand the "changes in annual maximum value of daily maximum temperature (Note 1)" and "rate of change in annual maximum 1-day precipitation (Note 2)" under the worst-case scenario (SSP5-8.5). Compared with the base period (1995-2014), Taoyuan City is expected to see an average rise in temperature of 1.6C and reach maximum temperatures of 35.4C in 2050. Research conducted by Academia Sinica based on information taken from the National Health Insurance Research Database shows that the number of days where the temperature was higher than 34C has increased, and this has increased the number of emergency patients suffering from heat stroke and other associated conditions. Additionally, the rate of change in annual maximum 1-day precipitation will increase by 13.8% in 2050, reaching 213.5 mm, thereby increasing the risks of "short-duration intense rainfall." Current municipal drainage systems may not be able to drain the excess water in a timely manner, so cities and factories are at risk of flood, and people outdoors may be at risk of emergencies.

(5.1.1.11) Rationale for choice of scenario

We uses worst-case scenarios to manage risks and try to prevent the worst from happening.
[Add row]

(5.1.2) Provide details of the outcomes of your organization's scenario analysis.

Climate change

(5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

☑ Target setting and transition planning

(5.1.2.2) Coverage of analysis

Select from:

☑ Country/area/region

(5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

Increased likelihood of heat injuries in employees • We conduct annual scenario to analyze the management systems at our factories so we can understand the conditions, risks, and opportunities faced by factory personnel and propose improvement plans based on these issues. • We facilitate regular health checks for our employees. • Our chairman signed a workplace health promotion declaration, and we continue to host occupational health and safety activities each year to help our employees build their safety inspection, emergency first-aid, and health management capabilities. Increased likelihood of short-duration intense rainfall • We continue to evaluate flood prevention measures at our factories and strengthen our responses to acute flooding disasters. • We monitor water conditions using real-time information provided by the Water Resources Agency and formulate corresponding countermeasures.

Water

(5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

☑ Target setting and transition planning

(5.1.2.2) Coverage of analysis

Select from:

☑ Country/area/region

(5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

Increased likelihood of short-duration intense rainfall • We continue to evaluate flood prevention measures at our factories and strengthen our responses to acute flooding disasters. • We monitor water conditions using real-time information provided by the Water Resources Agency and formulate corresponding countermeasures.

[Fixed row]

(5.2) Does your organization’s strategy include a climate transition plan?

(5.2.1) Transition plan

Select from:

☑ Yes, we have a climate transition plan which aligns with a 1.5°C world

(5.2.3) Publicly available climate transition plan

Select from:

☑ Yes

(5.2.4) Plan explicitly commits to cease all spending on, and revenue generation from, activities that contribute to fossil fuel expansion

Select from:

☑ No, but we plan to add an explicit commitment within the next two years

(5.2.6) Explain why your organization does not explicitly commit to cease all spending on and revenue generation from activities that contribute to fossil fuel expansion

Grape King Bio’s fossil fuel use won’t be significant.

(5.2.7) Mechanism by which feedback is collected from shareholders on your climate transition plan

Select from:

☑ We do not have a feedback mechanism in place, but we plan to introduce one within the next two years

(5.2.10) Description of key assumptions and dependencies on which the transition plan relies

We use SBTi's methodology to set climate transition plans. And we assume that company revenue grows by 5% per year, which means that electricity consumption grows by 5% per year.

(5.2.11) Description of progress against transition plan disclosed in current or previous reporting period

This is the first year Grape King Bio has set a climate transition plan.

(5.2.12) Attach any relevant documents which detail your climate transition plan (optional)

20240611_ESGReport_EN_all_compressed.pdf

(5.2.13) Other environmental issues that your climate transition plan considers

Select all that apply

☑ No other environmental issue considered

[Fixed row]

(5.3) Have environmental risks and opportunities affected your strategy and/or financial planning?

(5.3.1) Environmental risks and/or opportunities have affected your strategy and/or financial planning

Select from:

☑ Yes, both strategy and financial planning

(5.3.2) Business areas where environmental risks and/or opportunities have affected your strategy

Select all that apply

☑ Products and services

☑ Operations

[Fixed row]

(5.3.1) Describe where and how environmental risks and opportunities have affected your strategy.

Products and services

(5.3.1.1) Effect type

Select all that apply

☑ Risks

(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

☑ Climate change

(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

To adapt to the development of low-carbon technology, Grape King Bio needs to use recycled materials in product packaging, which increases the cost of lower emissions technology.

Operations

(5.3.1.1) Effect type

Select all that apply

☑ Risks

(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

☑ Climate change

(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

To achieve our carbon reduction goals, operational costs have increased.
[Add row]

(5.3.2) Describe where and how environmental risks and opportunities have affected your financial planning.

Row 1

(5.3.2.1) Financial planning elements that have been affected

Select all that apply

☑ Direct costs

☑ Capital expenditures

(5.3.2.2) Effect type

Select all that apply

☑ Risks

(5.3.2.3) Environmental issues relevant to the risks and/or opportunities that have affected these financial planning elements

Select all that apply

☑ Climate change

(5.3.2.4) Describe how environmental risks and/or opportunities have affected these financial planning elements

To adapt to the development of low-carbon technology, Grape King Bio needs to use recycled materials in product packaging, which increases the cost of lower emissions technology. To achieve our carbon reduction goals, operational costs have increased.
[Add row]

(5.4) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?

	Identification of spending/revenue that is aligned with your organization's climate transition
	Select from: ☑ No, and we do not plan to in the next two years

[Fixed row]

(5.10) Does your organization use an internal price on environmental externalities?

(5.10.1) Use of internal pricing of environmental externalities

Select from:

☑ No, but we plan to in the next two years

(5.10.3) Primary reason for not pricing environmental externalities

Select from:

☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(5.10.4) Explain why your organization does not price environmental externalities

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to use an internal price on environmental externalities. We plan to do so within the next two years.
[Fixed row]

(5.11) Do you engage with your value chain on environmental issues?

Suppliers

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☑ Yes

(5.11.2) Environmental issues covered

Select all that apply

☑ Climate change

Customers

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☑ Yes

(5.11.2) Environmental issues covered

Select all that apply

☑ Plastics

Investors and shareholders

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☑ No, but we plan to within the next two years

(5.11.3) Primary reason for not engaging with this stakeholder on environmental issues

Select from:

☑ Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

(5.11.4) Explain why you do not engage with this stakeholder on environmental issues

Due to organization size, Grape King Bio lacks of internal resources, capabilities, and expertise to engage with Investors and shareholders on environmental issues. We plan to do so within the next two years.

Other value chain stakeholders

(5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☑ Yes

(5.11.2) Environmental issues covered

Select all that apply

☑ Climate change

[Fixed row]

(5.11.1) Does your organization assess and classify suppliers according to their dependencies and/or impacts on the environment?

	Assessment of supplier dependencies and/or impacts on the environment
Climate change	*Select from:* ☑ No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years

[Fixed row]

(5.11.2) Does your organization prioritize which suppliers to engage with on environmental issues?

Climate change

(5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

☑ Yes, we prioritize which suppliers to engage with on this environmental issue

(5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

☑ Procurement spend

☑ Product safety and compliance

(5.11.2.4) Please explain

We will prioritize engage with significant suppliers on environmental issues. We define significant suppliers as those whose raw material transaction amounts make up the top 80% of the total raw material procurement amount for the year, and project suppliers with transaction amounts more than 1 million for two consecutive years.
[Fixed row]

(5.11.5) Do your suppliers have to meet environmental requirements as part of your organization's purchasing process?

Climate change

(5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process

Select from:

☑ Yes, suppliers have to meet environmental requirements related to this environmental issue, but they are not included in our supplier contracts

(5.11.5.2) Policy in place for addressing supplier non-compliance

Select from:

☑ Yes, we have a policy in place for addressing non-compliance

(5.11.5.3) Comment

Sustainable Procurement: Grape King Bio prioritizes suppliers who are committed to development and procurement of green products, emphasize food safety and environmental protection, and protect labor rights. Additionally, in consideration of delivery costs and environmental issues, we strive to procure materials from domestic suppliers to reduce environmental impacts from the transportation process while also driving industrial development of upstream materials in Taiwan. When applying for and assessing equipment purchases, we fill out assessment charts for equipment with heavy energy consumption to verify the types of energy used and energy consumption levels.
[Fixed row]

(5.11.6) Provide details of the environmental requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.

Climate change

(5.11.6.1) Environmental requirement

Select from:

☑ Regular environmental risk assessments (at least once annually)

(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

☑ Supplier scorecard or rating

(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

☑ 51-75%

(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement

Select from:

☑ 51-75%

(5.11.6.7) % tier 1 supplier-related scope 3 emissions attributable to the suppliers required to comply with this environmental requirement

Select from:

☑ 51-75%

(5.11.6.8) % tier 1 supplier-related scope 3 emissions attributable to the suppliers in compliance with this environmental requirement

Select from:

☑ 76-99%

(5.11.6.9) Response to supplier non-compliance with this environmental requirement

Select from:

☑ Suspend and engage

(5.11.6.10) % of non-compliant suppliers engaged

Select from:

☑ None

(5.11.6.11) Procedures to engage non-compliant suppliers

Select all that apply

☑ Providing information on appropriate actions that can be taken to address non-compliance

(5.11.6.12) Comment

In 2023, we distributed self-assessment questionnaires for ESG to 78 of our significant suppliers. All suppliers achieved a qualification rate of 100% on the 21 ESG assessment items.
[Add row]

(5.11.7) Provide further details of your organization's supplier engagement on environmental issues.

Climate change

(5.11.7.2) Action driven by supplier engagement

Select from:

☑ No other supplier engagement
[Add row]

(5.11.9) Provide details of any environmental engagement activity with other stakeholders in the value chain.

Climate change

(5.11.9.1) Type of stakeholder

Select from:

☑ Other value chain stakeholder, please specify **:**associations

(5.11.9.2) Type and details of engagement

Innovation and collaboration

☑ Engage with stakeholders to advocate for policy or regulatory change

(5.11.9.3) % of stakeholder type engaged

Select from:

☑ 1-25%

(5.11.9.4) % stakeholder-associated scope 3 emissions

Select from:

☑ None

(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

We joined related associations, and our chairman serves as a director of the Taiwan Center for Corporate Sustainability and attends quarterly director meetings. We also work with other enterprises to mitigate climate change issues through our efforts, actions, and contributions.

(5.11.9.6) Effect of engagement and measures of success

By leveraging the influence of the association, both companies and associations can impact national policies and expedite the transition to a sustainable climate future.
[Add row]

C6. Environmental Performance - Consolidation Approach

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.

	Consolidation approach used	Provide the rationale for the choice of consolidation approach
Climate change	*Select from:* ☑ Operational control	*The operational control method best reflects the actual control power of Grape King Bio.*
Water	*Select from:* ☑ Operational control	*The operational control method best reflects the actual control power of Grape King Bio.*
Plastics	*Select from:* ☑ Operational control	*The operational control method best reflects the actual control power of Grape King Bio.*
Biodiversity	*Select from:* ☑ Operational control	*The operational control method best reflects the actual control power of Grape King Bio.*

[Fixed row]

C7. Environmental performance - Climate Change

(7.1) Is this your first year of reporting emissions data to CDP?

Select from:

☑ No

(7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

	Has there been a structural change?
	Select all that apply ☑ No

[Fixed row]

(7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

	Change(s) in methodology, boundary, and/or reporting year definition?	Details of methodology, boundary, and/or reporting year definition change(s)
	Select all that apply ☑ Yes, a change in boundary	*Boundaries include complete group information*

[Fixed row]

(7.1.3) Have your organization’s base year emissions and past years’ emissions been recalculated as a result of any changes or errors reported in 7.1.1 and/or 7.1.2?

(7.1.3.1) Base year recalculation

Select from:

☑ Yes

(7.1.3.2) Scope(s) recalculated

Select all that apply

☑ Scope 1

☑ Scope 2, location-based

☑ Scope 2, market-based

☑ Scope 3

(7.1.3.3) Base year emissions recalculation policy, including significance threshold

If the cumulative change is higher than the significance threshold (3%), the Organization should consider recalculate base year greenhouse gas emissions.

(7.1.3.4) Past years’ recalculation

Select from:

☑ No

[Fixed row]

(7.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

Select all that apply

☑ ISO 14064-1

(7.3) Describe your organization’s approach to reporting Scope 2 emissions.

	Scope 2, location-based	Scope 2, market-based	Comment
	Select from: ☑ We are reporting a Scope 2, location-based figure	*Select from:* ☑ We are reporting a Scope 2, market-based figure	*Grape King Bio uses PPA to purchase renewable energy.*

[Fixed row]

(7.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?

Select from:

☑ No

(7.5) Provide your base year and base year emissions.

Scope 1

(7.5.1) Base year end

12/30/2023

(7.5.2) Base year emissions (metric tons CO2e)

6347.277

(7.5.3) Methodological details

Grape King Bio's greenhouse gas emissions calculation mainly uses the "emission coefficient method". The quantification formula is as follows. First, the activity data of each emission source are converted into metric tons, kilograms or thousand degrees of weight, depending on the source. Units such as volume or power units, etc., and find appropriate corresponding greenhouse gas emission coefficients based on principles such as accuracy, geography, timeliness, technology, etc., and the calculated values are then calculated according to various greenhouse gas emission factors in the IPCC 2021 Sixth Assessment Report The global warming potential

GWP value of the gas is converted into greenhouse gas emission equivalent (CO2e)

Scope 2 (location-based)

(7.5.1) Base year end

12/30/2023

(7.5.2) Base year emissions (metric tons CO2e)

20408.394

(7.5.3) Methodological details

Grape King Bio's greenhouse gas emissions calculation mainly uses the "emission coefficient method". The quantification formula is as follows. First, the activity data of each emission source are converted into metric tons, kilograms or thousand degrees of weight, depending on the source. Units such as volume or power units, etc., and find appropriate corresponding greenhouse gas emission coefficients based on principles such as accuracy, geography, timeliness, technology, etc., and the calculated values are then calculated according to various greenhouse gas emission factors in the IPCC 2021 Sixth Assessment Report The global warming potential GWP value of the gas is converted into greenhouse gas emission equivalent (CO2e)

Scope 2 (market-based)

(7.5.1) Base year end

12/30/2023

(7.5.2) Base year emissions (metric tons CO2e)

20111.394

(7.5.3) Methodological details

Grape King Bio's greenhouse gas emissions calculation mainly uses the "emission coefficient method". The quantification formula is as follows. First, the activity data of each emission source are converted into metric tons, kilograms or thousand degrees of weight, depending on the source. Units such as volume or power units, etc., and find appropriate corresponding greenhouse gas emission coefficients based on principles such as accuracy, geography, timeliness, technology, etc., and the calculated values are then calculated according to various greenhouse gas emission factors in the IPCC 2021 Sixth Assessment Report The global warming potential GWP value of the gas is converted into greenhouse gas emission equivalent (CO2e)

Scope 3 category 1: Purchased goods and services

(7.5.1) Base year end

12/30/2023

(7.5.2) Base year emissions (metric tons CO2e)

19536.07

(7.5.3) Methodological details

Grape King Bio's greenhouse gas emissions calculation mainly uses the "emission coefficient method". The quantification formula is as follows. First, the activity data of each emission source are converted into metric tons, kilograms or thousand degrees of weight, depending on the source. Units such as volume or power units, etc., and find appropriate corresponding greenhouse gas emission coefficients based on principles such as accuracy, geography, timeliness, technology, etc., and the calculated values are then calculated according to various greenhouse gas emission factors in the IPCC 2021 Sixth Assessment Report The global warming potential GWP value of the gas is converted into greenhouse gas emission equivalent (CO2e)

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.5.1) Base year end

12/30/2023

(7.5.2) Base year emissions (metric tons CO2e)

4238.97

(7.5.3) Methodological details

Grape King Bio's greenhouse gas emissions calculation mainly uses the "emission coefficient method". The quantification formula is as follows. First, the activity data of each emission source are converted into metric tons, kilograms or thousand degrees of weight, depending on the source. Units such as volume or power units, etc., and find appropriate corresponding greenhouse gas emission coefficients based on principles such as accuracy, geography, timeliness, technology, etc., and the calculated values are then calculated according to various greenhouse gas emission factors in the IPCC 2021 Sixth Assessment Report The global warming potential GWP value of the gas is converted into greenhouse gas emission equivalent (CO2e)

Scope 3 category 5: Waste generated in operations

(7.5.1) Base year end

12/30/2023

(7.5.2) Base year emissions (metric tons CO2e)

962.38

(7.5.3) Methodological details

Grape King Bio's greenhouse gas emissions calculation mainly uses the "emission coefficient method". The quantification formula is as follows. First, the activity data of each emission source are converted into metric tons, kilograms or thousand degrees of weight, depending on the source. Units such as volume or power units, etc., and find appropriate corresponding greenhouse gas emission coefficients based on principles such as accuracy, geography, timeliness, technology, etc., and the calculated values are then calculated according to various greenhouse gas emission factors in the IPCC 2021 Sixth Assessment Report The global warming potential GWP value of the gas is converted into greenhouse gas emission equivalent (CO2e)
[Fixed row]

(7.6) What were your organization’s gross global Scope 1 emissions in metric tons CO2e?

Reporting year

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

6347.277

(7.6.3) Methodological details

Grape King Bio's greenhouse gas emissions calculation mainly uses the "emission coefficient method". The quantification formula is as follows. First, the activity data of each emission source are converted into metric tons, kilograms or thousand degrees of weight, depending on the source. Units such as volume or power units, etc., and find appropriate corresponding greenhouse gas emission coefficients based on principles such as accuracy, geography, timeliness, technology, etc., and the calculated values are then calculated according to various greenhouse gas emission factors in the IPCC 2021 Sixth Assessment Report The global warming potential GWP value of the gas is converted into greenhouse gas emission equivalent (CO2e)

Past year 1

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

5633.722

(7.6.2) End date

12/30/2022

Past year 2

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

3862.04

(7.6.2) End date

12/30/2021

Past year 3

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

3753.74

(7.6.2) End date

12/30/2020

Past year 4

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

3421.58

(7.6.2) End date

12/30/2019
[Fixed row]

(7.7) What were your organization’s gross global Scope 2 emissions in metric tons CO2e?

Reporting year

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

20408.394

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

20111.394

(7.7.4) Methodological details

Grape King Bio's greenhouse gas emissions calculation mainly uses the "emission coefficient method". The quantification formula is as follows. First, the activity data of each emission source are converted into metric tons, kilograms or thousand degrees of weight, depending on the source. Units such as volume or power units, etc., and find appropriate corresponding greenhouse gas emission coefficients based on principles such as accuracy, geography, timeliness, technology, etc., and the calculated values are then calculated according to various greenhouse gas emission factors in the IPCC 2021 Sixth Assessment Report The global warming potential GWP value of the gas is converted into greenhouse gas emission equivalent (CO2e)

Past year 1

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

16702.446

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

16544.054

(7.7.3) End date

12/30/2022

Past year 2

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

14829.39

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

14829.39

(7.7.3) End date

12/30/2021

Past year 3

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

14255.77

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

14255.77

(7.7.3) End date

12/30/2020

Past year 4

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

13074.92

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

13074.92

(7.7.3) End date

12/30/2019
[Fixed row]

(7.8) Account for your organization’s gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

(7.8.1) Evaluation status

Select from:
☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

19536.07

(7.8.3) Emissions calculation methodology

Select all that apply
☑ Hybrid method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

CO2 equivalent annual usage of each main raw material unit weight each commodity_raw material carbon footprint coefficient. CO2 equivalent annual usage of each main material unit weight each commodity_material carbon footprint coefficient. The source of the coefficient of each base is based on the local government's public information. If not, the Ecoinvent coefficient will be used.

Capital goods

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

4238.97

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Hybrid method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

CO2 equivalent fuel usage in the current year fuel carbon footprint coefficient (unburned). CO2 equivalent electricity consumption in the current year upstream emission coefficient of electricity production (but not category 2). The source of the coefficient of each base is based on the local government's public information. If not, the Ecoinvent coefficient will be used.

Upstream transportation and distribution

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Waste generated in operations

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

962.38

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Average data method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

CO2 equivalent waste disposal volume of each treatment method each carbon footprint coefficient. If no waste information is recorded, person-hours will be used, supplemented by the per capita general waste generation conversion from the Statistical Information Network of the Republic of China.

Business travel

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Employee commuting

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Upstream leased assets

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Downstream transportation and distribution

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Processing of sold products

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Use of sold products

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

End of life treatment of sold products

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Downstream leased assets

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Franchises

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Investments

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

Other (upstream)

(7.8.1) Evaluation status

Select from:

☑ Not evaluated

Other (downstream)

(7.8.1) Evaluation status

Select from:

☑ Not evaluated

[Fixed row]

(7.8.1) Disclose or restate your Scope 3 emissions data for previous years.

Past year 1

(7.8.1.1) End date

12/30/2022

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

16947.173

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

3584.505

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

105.484

(7.8.1.19) Comment

Grape King Bio uses the ISO 14064:2018-1 standard to conduct greenhouse gas inventory in 2022

[Fixed row]

(7.9) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	*Select from:* ☑ Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	*Select from:* ☑ Third-party verification or assurance process in place
Scope 3	*Select from:* ☑ Third-party verification or assurance process in place

[Fixed row]

(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Row 1

(7.9.1.1) Verification or assurance cycle in place

Select from:

☑ Annual process

(7.9.1.2) Status in the current reporting year

Select from:

☑ Underway but not complete for reporting year – previous statement of process attached

(7.9.1.3) Type of verification or assurance

Select from:

☑ Moderate assurance

(7.9.1.4) Attach the statement

ISO 14064æº«å®¤æ°£é«” æŸ¥é©—å ±å‘Š æ› ¸(EN)2022.pdf

(7.9.1.5) Page/section reference

P.2

(7.9.1.6) Relevant standard

Select from:

☑ ISO14064-1

(7.9.1.7) Proportion of reported emissions verified (%)

100
[Add row]

(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Row 1

(7.9.2.1) Scope 2 approach

Select from:

☑ Scope 2 market-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

☑ Annual process

(7.9.2.3) Status in the current reporting year

Select from:

☑ Underway but not complete for reporting year – previous statement of process attached

(7.9.2.4) Type of verification or assurance

Select from:

☑ Moderate assurance

(7.9.2.5) Attach the statement

ISO 14064æº«å®¤æ°£é«" æŸ¥é©—å ±å‘Š æ› ¸(EN)2022.pdf

(7.9.2.6) Page/ section reference

P.2

(7.9.2.7) Relevant standard

Select from:

☑ ISO14064-1

(7.9.2.8) Proportion of reported emissions verified (%)

100
[Add row]

(7.9.3) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Row 1

(7.9.3.1) Scope 3 category

Select all that apply

☑ Scope 3: Purchased goods and services

☑ Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)

☑ Scope 3: Waste generated in operations

(7.9.3.2) Verification or assurance cycle in place

Select from:

☑ Annual process

(7.9.3.3) Status in the current reporting year

Select from:

☑ Underway but not complete for reporting year – previous statement of process attached

(7.9.3.4) Type of verification or assurance

Select from:

☑ Limited assurance

(7.9.3.5) Attach the statement

ISO 14064æº«å®¤æ°£é«” æŸ¥é©—å ±å‘Š æ› ¸(EN)2022.pdf

(7.9.3.6) Page/section reference

P.2

(7.9.3.7) Relevant standard

Select from:

☑ ISO14064-1

(7.9.3.8) Proportion of reported emissions verified (%)

100
[Add row]

(7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Select from:

☑ Increased

(7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

Change in boundary

(7.10.1.1) Change in emissions (metric tons CO2e)

4280.894

(7.10.1.2) Direction of change in emissions

Select from:

☑ Increased

(7.10.1.3) Emissions value (percentage)

16

(7.10.1.4) Please explain calculation

Grape King Bio built a new factory in 2023
[Fixed row]

(7.10.2) Are your emissions performance calculations in 7.10 and 7.10.1 based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Select from:

☑ Market-based

(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

Select from:

☑ No

(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Select from:

☑ Yes

(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).

Row 1

(7.15.1.1) Greenhouse gas

Select from:

☑ CO2

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

4666.855

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 2

(7.15.1.1) Greenhouse gas

Select from:

☑ CH4

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

89.944

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 3

(7.15.1.1) Greenhouse gas

Select from:

☑ N2O

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

3.686

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 4

(7.15.1.1) Greenhouse gas

Select from:

☑ HFCs

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

1574.262

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Sixth Assessment Report (AR6 - 100 year)

[Add row]

(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.

	Scope 1 emissions (metric tons CO2e)	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
China	*119.95*	*3685.69*	*3685.69*
Taiwan, China	*6227.327*	*16722.704*	*16425.704*

[Fixed row]

(7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

Select all that apply

☑ By activity

(7.17.3) Break down your total gross global Scope 1 emissions by business activity.

	Activity	Scope 1 emissions (metric tons CO2e)
Row 1	*On site fuel use*	*3917.886*
Row 2	*emissions from vehicles*	*85.968*

	Activity	Scope 1 emissions (metric tons CO2e)
Row 3	*emissions from ancillary equipment on sites*	*1588.399*
Row 4	*emissions during manufacturing*	*755.024*

[Add row]

(7.20) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

Select all that apply

☑ By activity

(7.20.3) Break down your total gross global Scope 2 emissions by business activity.

	Activity	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Row 1	*Consumption of electricity*	*20408.394*	*20099.804*
Row 2	*Cooling*	*11.59*	*11.59*

[Add row]

(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.

Consolidated accounting group

(7.22.1) Scope 1 emissions (metric tons CO2e)

6347.277

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

20408.394

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

20111.394

(7.22.4) Please explain

Grape King Bio has completed the greenhouse gas inventory of all subsidiaries within the group.

All other entities

(7.22.1) Scope 1 emissions (metric tons CO2e)

0

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

0

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

0

(7.22.4) Please explain

None
[Fixed row]

(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?

Select from:

☑ Yes

(7.23.1) Break down your gross Scope 1 and Scope 2 emissions by subsidiary.

Row 1

(7.23.1.1) Subsidiary name

Pro-Partner Co.,Ltd.

(7.23.1.2) Primary activity

Select from:

☑ Consumer goods wholesale & rental

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

☑ Other unique identifier, please specify **:**Government Uniform Invoice number

(7.23.1.11) Other unique identifier

84591036

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

63.69

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

969.022

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

969.022

(7.23.1.15) Comment

Location in Taiwan

Row 2

(7.23.1.1) Subsidiary name

Shanghai Grape King Enterprises Corp.

(7.23.1.2) Primary activity

Select from:

☑ Consumer goods wholesale & rental

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

☑ Other unique identifier, please specify **:**Government Uniform Invoice number

(7.23.1.11) Other unique identifier

None

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

119.95

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

3685.69

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

3685.69

(7.23.1.15) Comment

Location in Shanghai, China

Row 3

(7.23.1.1) Subsidiary name

Rivershine Co. Ltd.

(7.23.1.2) Primary activity

Select from:

☑ Consumer goods wholesale & rental

(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary

Select all that apply

☑ Other unique identifier, please specify **:**Government Uniform Invoice number

(7.23.1.11) Other unique identifier

42572374

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

0

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

0

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

0

(7.23.1.15) Comment

The location of Rivershine Co. Ltd. is the same as that of Grape King Bio.Scope 1 & 2 GHG emissions of Rivershine Co. Ltd. are included in Grape King Bio. [Add row]

(7.29) What percentage of your total operational spend in the reporting year was on energy?

Select from:

☑ More than 0% but less than or equal to 5%

(7.30) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	*Select from:* ☑ Yes
Consumption of purchased or acquired electricity	*Select from:* ☑ Yes
Consumption of purchased or acquired heat	*Select from:* ☑ No
Consumption of purchased or acquired steam	*Select from:* ☑ No
Consumption of purchased or acquired cooling	*Select from:* ☑ No
Generation of electricity, heat, steam, or cooling	*Select from:* ☑ Yes

[Fixed row]

(7.30.1) Report your organization’s energy consumption totals (excluding feedstocks) in MWh.

Consumption of fuel (excluding feedstock)

(7.30.1.1) Heating value

Select from:

☑ LHV (lower heating value)

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

27229

(7.30.1.4) Total (renewable and non-renewable) MWh

27229

Consumption of purchased or acquired electricity

(7.30.1.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

600

(7.30.1.3) MWh from non-renewable sources

39438

(7.30.1.4) Total (renewable and non-renewable) MWh

40037

Consumption of self-generated non-fuel renewable energy

(7.30.1.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

195

(7.30.1.4) Total (renewable and non-renewable) MWh

195

Total energy consumption

(7.30.1.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

795

(7.30.1.3) MWh from non-renewable sources

66667

(7.30.1.4) Total (renewable and non-renewable) MWh

67462
[Fixed row]

(7.30.6) Select the applications of your organization’s consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	*Select from:* ☑ No
Consumption of fuel for the generation of heat	*Select from:* ☑ No
Consumption of fuel for the generation of steam	*Select from:* ☑ Yes
Consumption of fuel for the generation of cooling	*Select from:* ☑ No
Consumption of fuel for co-generation or tri-generation	*Select from:* ☑ No

[Fixed row]

(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Coal

(7.30.7.1) Heating value

Select from:
☑ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

Oil

(7.30.7.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

339

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

339

Gas

(7.30.7.1) Heating value

Select from:

☑ LHV

(7.30.7.2) Total fuel MWh consumed by the organization

26890

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

26890

Total fuel

(7.30.7.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

27229

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

27229
[Fixed row]

(7.30.9) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

Electricity

(7.30.9.1) Total Gross generation (MWh)

195

(7.30.9.2) Generation that is consumed by the organization (MWh)

195

(7.30.9.3) Gross generation from renewable sources (MWh)

195

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

195
[Fixed row]

(7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year.

China

(7.30.16.1) Consumption of purchased electricity (MWh)

6324

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.3) Is some or all of this electricity consumption excluded from your RE100 commitment?

Select from:
☑ No

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

6324.00

Taiwan, China

(7.30.16.1) Consumption of purchased electricity (MWh)

33714

(7.30.16.2) Consumption of self-generated electricity (MWh)

195

(7.30.16.3) Is some or all of this electricity consumption excluded from your RE100 commitment?

Select from:
☑ No

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

33909.00
[Fixed row]

(7.30.17) Provide details of your organization’s renewable electricity purchases in the reporting year by country/area.

Row 1

(7.30.17.1) Country/area of consumption of purchased renewable electricity

Select from:

☑ Taiwan, China

(7.30.17.2) Sourcing method

Select from:

☑ Purchase from an on-site installation owned by a third party (on-site PPA)

(7.30.17.3) Renewable electricity technology type

Select from:

☑ Solar

(7.30.17.4) Renewable electricity consumed via selected sourcing method in the reporting year (MWh)

600

(7.30.17.5) Tracking instrument used

Select from:

☑ T-REC

(7.30.17.6) Country/area of origin (generation) of purchased renewable electricity

Select from:

☑ Taiwan, China

(7.30.17.7) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.17.9) Vintage of the renewable energy/attribute (i.e. year of generation)

Select from:

☑ 2023

(7.30.17.10) Supply arrangement start year

2022

(7.30.17.11) Ecolabel associated with purchased renewable electricity

Select from:

☑ No additional, voluntary label

[Add row]

(7.30.19) Provide details of your organization’s renewable electricity generation by country/area in the reporting year.

Row 1

(7.30.19.1) Country/area of generation

Select from:

☑ Taiwan, China

(7.30.19.2) Renewable electricity technology type

Select from:

☑ Solar

(7.30.19.3) Facility capacity (MW)

180

(7.30.19.4) Total renewable electricity generated by this facility in the reporting year (MWh)

195

(7.30.19.5) Renewable electricity consumed by your organization from this facility in the reporting year (MWh)

195

(7.30.19.6) Energy attribute certificates issued for this generation

Select from:

☑ Yes

(7.30.19.7) Type of energy attribute certificate

Select from:

☑ T-REC

[Add row]

(7.30.20) Describe how your organization's renewable electricity sourcing strategy directly or indirectly contributes to bringing new capacity into the grid in the countries/areas in which you operate.

The renewable energy we purchase is not a renewable energy project promoted by government policies, but is built by general renewable energy generators or the public, and is a new construction outside the policy.

(7.30.21) In the reporting year, has your organization faced barriers or challenges to sourcing renewable electricity?

	Challenges to sourcing renewable electricity
	Select from: ☑ Yes, in specific countries/areas in which we operate

[Fixed row]

(7.30.22) Provide details of the country/area-specific challenges to sourcing renewable electricity faced by your organization in the reporting year.

Row 1

(7.30.22.1) Country/area

Select from:

☑ Taiwan, China

(7.30.22.2) Reason why it was challenging to source renewable electricity within selected country/area

Select all that apply

☑ Lack of market data

☑ Limited supply of renewable electricity in the market

☑ Prohibitively priced renewable electricity

[Add row]

(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Row 1

(7.45.1) Intensity figure

2.49

(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

26458.67

(7.45.3) Metric denominator

Select from:

☑ unit total revenue

(7.45.4) Metric denominator: Unit total

10635460

(7.45.5) Scope 2 figure used

Select from:

☑ Market-based

(7.45.6) % change from previous year

17

(7.45.7) Direction of change

Select from:

☑ Increased

(7.45.8) Reasons for change

Select all that apply

☑ Change in output

☑ Change in boundary

[Add row]

(7.53) Did you have an emissions target that was active in the reporting year?

Select all that apply

☑ Absolute target

(7.53.1) Provide details of your absolute emissions targets and progress made against those targets.

Row 1

(7.53.1.1) Target reference number

Select from:

☑ Abs 1

(7.53.1.2) Is this a science-based target?

Select from:

☑ Yes, we consider this a science-based target, and the target is currently being reviewed by the Science Based Targets initiative

(7.53.1.4) Target ambition

Select from:

☑ 1.5°C aligned

(7.53.1.5) Date target was set

07/10/2024

(7.53.1.6) Target coverage

Select from:

☑ Country/area/region

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

☑ Carbon dioxide (CO2)

(7.53.1.8) Scopes

Select all that apply

☑ Scope 1

☑ Scope 2

(7.53.1.9) Scope 2 accounting method

Select from:

☑ Market-based

(7.53.1.11) End date of base year

12/30/2023

(7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO2e)

6347.277

(7.53.1.13) Base year Scope 2 emissions covered by target (metric tons CO2e)

20111.394

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

0.000

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

26458.671

(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

100

(7.53.1.34) Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

100

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

33.5

(7.53.1.54) End date of target

12/30/2034

(7.53.1.55) Targeted reduction from base year (%)

58.8

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

10900.972

(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)

6347.277

(7.53.1.58) Scope 2 emissions in reporting year covered by target (metric tons CO2e)

20111.394

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

26458.671

(7.53.1.78) Land-related emissions covered by target

Select from:

☑ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

0.00

(7.53.1.80) Target status in reporting year

Select from:

☑ New

(7.53.1.82) Explain target coverage and identify any exclusions

Target coverage includes all companies in the group.

(7.53.1.83) Target objective

Committed to the first stage of 15% usage of renewable energy by 2030 and the second stage of 100% usage of renewable energy by 2035.

(7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

This is the first year of setting targets. The measures currently implemented by Grape King Bio are as follows: In June 2022, we began transferring solar power to our Pingzhen headquarters, and have transferred 900,000 kWh as of November 30, 2023.

(7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

☑ No

Row 2

(7.53.1.1) Target reference number

Select from:

☑ Abs 2

(7.53.1.2) Is this a science-based target?

Select from:

☑ Yes, we consider this a science-based target, and the target is currently being reviewed by the Science Based Targets initiative

(7.53.1.4) Target ambition

Select from:

☑ Well-below 2°C aligned

(7.53.1.5) Date target was set

07/10/2024

(7.53.1.6) Target coverage

Select from:

☑ Country/area/region

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

☑ Carbon dioxide (CO2)

(7.53.1.8) Scopes

Select all that apply

☑ Scope 3

(7.53.1.10) Scope 3 categories

Select all that apply

☑ Scope 3, Category 1 – Purchased goods and services

☑ Scope 3, Category 3 – Fuel- and energy- related activities (not included in Scope 1 or 2)

☑ Scope 3, Category 4 – Upstream transportation and distribution

☑ Scope 3, Category 9 – Downstream transportation and distribution

☑ Scope 3, Category 12 – End-of-life treatment of sold products

(7.53.1.11) End date of base year

12/30/2023

(7.53.1.14) Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

19536.07

(7.53.1.16) Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

4238.97

(7.53.1.17) Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

5772.4

(7.53.1.22) Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

4555.13

(7.53.1.25) Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

4494.07

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

38596.640

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

38596.640

(7.53.1.35) Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)

37.17

(7.53.1.37) Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

8.07

(7.53.1.38) Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

10.98

(7.53.1.43) Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)

8.67

(7.53.1.46) Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)

8.55

(7.53.1.52) Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

73.43

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

66.5

(7.53.1.54) End date of target

12/30/2034

(7.53.1.55) Targeted reduction from base year (%)

35

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

25087.816

(7.53.1.59) Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

19536.07

(7.53.1.61) Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

4238.97

(7.53.1.62) Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

5772.4

(7.53.1.67) Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

4555.13

(7.53.1.70) Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

4494.07

(7.53.1.76) Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

38596.640

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

38596.640

(7.53.1.78) Land-related emissions covered by target

Select from:

☑ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

0.00

(7.53.1.80) Target status in reporting year

Select from:

☑ New

(7.53.1.82) Explain target coverage and identify any exclusions

Target coverage includes all companies in the group.

(7.53.1.83) Target objective

Implement plastic reduction actions such as removing plastic liners from product, replacing plastic straws with feasible alternatives for PKL products, using lightweight PET bottles, and eliminating plastic fillings from capsule products. Develop strategies to reduce the environmental impact of packaging across the company, including reducing product weight and packaging material usage.

(7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

This is the first year of setting targets. The measures currently implemented by Grape King Bio are as follows: Implement plastic reduction actions such as removing plastic liners from product, replacing plastic straws with feasible alternatives for PKL products, using lightweight PET bottles, and eliminating plastic fillings from capsule products. Develop strategies to reduce the environmental impact of packaging across the company, including reducing product weight and packaging material usage.

(7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

☑ No

[Add row]

(7.53.3) Explain why you did not have an emissions target, and forecast how your emissions will change over the next five years.

(7.53.3.1) Primary reason

Select from:

☑ We are planning to introduce a target in the next two years

(7.53.3.3) Please explain

Until 2023, we have verified GHG data, so we have not yet set an emissions target.In 2023, obtained ISO14064 certification and committed to Science Based Targets Initiative(SBTi).In 2024, SBTi target valided and disclosed.Besides, we implemented greenhouse gas and carbon reduction project every year.
[Fixed row]

(7.54) Did you have any other climate-related targets that were active in the reporting year?

Select all that apply

☑ Targets to increase or maintain low-carbon energy consumption or production

☑ Net-zero targets

☑ Other climate-related targets

(7.54.1) Provide details of your targets to increase or maintain low-carbon energy consumption or production.

Row 1

(7.54.1.1) Target reference number

Select from:

☑ Low 1

(7.54.1.2) Date target was set

12/30/2019

(7.54.1.3) Target coverage

Select from:

☑ Organization-wide

(7.54.1.4) Target type: energy carrier

Select from:

☑ Electricity

(7.54.1.5) Target type: activity

Select from:

☑ Consumption

(7.54.1.6) Target type: energy source

Select from:

☑ Renewable energy source(s) only

(7.54.1.7) End date of base year

12/30/2018

(7.54.1.8) Consumption or production of selected energy carrier in base year (MWh)

0

(7.54.1.9) % share of low-carbon or renewable energy in base year

0

(7.54.1.10) End date of target

12/30/2035

(7.54.1.11) % share of low-carbon or renewable energy at end date of target

100

(7.54.1.12) % share of low-carbon or renewable energy in reporting year

1.97

(7.54.1.13) % of target achieved relative to base year

1.97

(7.54.1.14) Target status in reporting year

Select from:

☑ Underway

(7.54.1.16) Is this target part of an emissions target?

This target is part of an emissions target. When the use of renewable energy is increased, greenhouse gas emissions are reduced.

(7.54.1.17) Is this target part of an overarching initiative?

Select all that apply

☑ RE100

(7.54.1.19) Explain target coverage and identify any exclusions

This target is a group target.

(7.54.1.20) Target objective

Grape King Bio committed to the first stage of 15% usage of renewable energy by 2030 and the second stage of 100% usage of renewable energy by 2035.

(7.54.1.21) Plan for achieving target, and progress made to the end of the reporting year

Grape King Bio committed to the first stage of 15% usage of renewable energy by 2030 and the second stage of 100% usage of renewable energy by 2035. In 2021, we signed a two-year contract to purchase green energy (solar power) from a renewable energy company. In June 2022, we began transferring solar power to our Pingzhen headquarters, and have transferred 900,000 kWh as of November 30, 2023. The solar photovoltaic system at Longtan Factory was completed and began generating electricity for self-use on November 10, 2022, with an installed capacity of 180 kW. We generated a total of 195,107 kWh of solar photovoltaic energy in 2023.
[Add row]

(7.54.2) Provide details of any other climate-related targets, including methane reduction targets.

Row 1

(7.54.2.1) Target reference number

Select from:
☑ Oth 1

(7.54.2.2) Date target was set

12/30/2022

(7.54.2.3) Target coverage

Select from:
☑ Site/facility

(7.54.2.4) Target type: absolute or intensity

Select from:
☑ Absolute

(7.54.2.5) Target type: category & Metric (target numerator if reporting an intensity target)

Energy consumption or efficiency

☑ kWh

(7.54.2.7) End date of base year

12/30/2022

(7.54.2.8) Figure or percentage in base year

0.01

(7.54.2.9) End date of target

12/30/2025

(7.54.2.10) Figure or percentage at end of date of target

0.015

(7.54.2.11) Figure or percentage in reporting year

0.016

(7.54.2.12) % of target achieved relative to base year

120.0000000000

(7.54.2.13) Target status in reporting year

Select from:
☑ Underway

(7.54.2.15) Is this target part of an emissions target?

This target is part of an emissions target. When the use of energy consumption is decreased, greenhouse gas emissions are reduced.

(7.54.2.16) Is this target part of an overarching initiative?

Select all that apply

☑ No, it's not part of an overarching initiative

(7.54.2.18) Please explain target coverage and identify any exclusions

Target coverage includes our Pingzhen factory, Zhongli factory, and Longtan branch.

(7.54.2.19) Target objective

We set an electricity-saving target of 1.5% in 2025 for our Pingzhen factory, Zhongli factory, and Longtan branch.

(7.54.2.20) Plan for achieving target, and progress made to the end of the reporting year

We set an electricity-saving target of 1.5% in 2023 for our Pingzhen factory, Zhongli factory, and Longtan branch. We reduced our electricity usage by 481,641 kWh and achieved an electricity-saving rate of 1.6%. 1. Improved 100HP blowers in wastewater plants and adjusted their operation schedules and enhanced operation efficiency thereof during holidays, saving 70,070 kWh of electricity. 2. Adjusted operation schedules of air conditioners on the second floor of building C from continuous operation for 24 hours a day to ceasing operation during nonproduction hours for 7 hours at night, saving 171,360 kWh of electricity. 3. Adjusted operational schedules for outdoor air conditioners, cooling fan motors, electric heaters and humidifiers on the first floor, saving 100,958 kWh of electricity.
[Add row]

(7.54.3) Provide details of your net-zero target(s).

Row 1

(7.54.3.1) Target reference number

Select from:

☑ NZ1

(7.54.3.2) Date target was set

07/10/2024

(7.54.3.3) Target Coverage

Select from:

☑ Country/area/region

(7.54.3.4) Targets linked to this net zero target

Select all that apply

☑ Abs1

☑ Abs2

(7.54.3.5) End date of target for achieving net zero

12/30/2050

(7.54.3.6) Is this a science-based target?

Select from:

☑ Yes, we consider this a science-based target, and the target is currently being reviewed by the Science Based Targets initiative

(7.54.3.8) Scopes

Select all that apply

☑ Scope 1

☑ Scope 2

☑ Scope 3

(7.54.3.9) Greenhouse gases covered by target

Select all that apply

☑ Carbon dioxide (CO2)

(7.54.3.12) Do you intend to neutralize any residual emissions with permanent carbon removals at the end of the target?

Select from:

☑ Yes

(7.54.3.13) Do you plan to mitigate emissions beyond your value chain?

Select from:

☑ No, but we plan to within the next two years

(7.54.3.14) Do you intend to purchase and cancel carbon credits for neutralization and/or beyond value chain mitigation?

Select all that apply

☑ Yes, we plan to purchase and cancel carbon credits for neutralization at the end of the target

(7.54.3.17) Target status in reporting year

Select from:

☑ New

[Add row]

(7.55) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Select from:

☑ Yes

(7.55.1) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	*0*	*`Numeric input*
To be implemented	*0*	*0*
Implementation commenced	*1*	*721*
Implemented	*2*	*541*
Not to be implemented	*0*	*`Numeric input*

[Fixed row]

(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below.

Row 1

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes

☑ Process optimization

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

721

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 2 (location-based)

☑ Scope 2 (market-based)

☑ Scope 3 category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

4627788

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

0

(7.55.2.7) Payback period

Select from:

☑ <1 year

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

Row 2

(7.55.2.1) Initiative category & Initiative type

Low-carbon energy consumption

☑ Solar PV

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

445

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 2 (location-based)

☑ Scope 2 (market-based)

☑ Scope 3 category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

0

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

5220000

(7.55.2.7) Payback period

Select from:

☑ No payback

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 1-2 years

Row 3

(7.55.2.1) Initiative category & Initiative type

Low-carbon energy generation

☑ Solar PV

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

96

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 2 (location-based)

☑ Scope 2 (market-based)

☑ Scope 3 category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

618489

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

8000000

(7.55.2.7) Payback period

Select from:

☑ 11-15 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 16-20 years

[Add row]

(7.55.3) What methods do you use to drive investment in emissions reduction activities?

Row 1

(7.55.3.1) Method

Select from:

☑ Employee engagement

(7.55.3.2) Comment

Company has held an energy-saving and carbon reduction event at all three factories. The annual goals for 2023 were to achieve an energy efficiency rate of 1.5%. With the participation of all factories and an energy-saving incentive pay, a total of 10 energy-saving measures were raised. The energy-saving rate reached 1.6% and 481,641 kilowatt-hours, equivalent to 238,412 kg reduction in carbon dioxide emissions.

Row 2

(7.55.3.1) Method

Select from:

☑ Dedicated budget for energy efficiency

(7.55.3.2) Comment

Company has held an energy-saving and carbon reduction event at all three factories. The annual goals for 2023 were to achieve an energy efficiency rate of 1.5%. With the participation of all factories and an energy-saving incentive pay, a total of 10 energy-saving measures were raised. The energy-saving rate reached 1.6% and 481,641 kilowatt-hours, equivalent to 238,412 kg reduction in carbon dioxide emissions.
[Add row]

(7.74) Do you classify any of your existing goods and/or services as low-carbon products?

Select from:

☑ No

(7.79) Has your organization canceled any project-based carbon credits within the reporting year?

Select from:

☑ No

C9. Environmental performance - Water security

(9.1) Are there any exclusions from your disclosure of water-related data?

Select from:

☑ Yes

(9.1.1) Provide details on these exclusions.

Row 1

(9.1.1.1) Exclusion

Select from:

☑ Country/geographical area

(9.1.1.2) Description of exclusion

Disclosure of water-related data currently does not include China.

(9.1.1.3) Reason for exclusion

Select from:

☑ Data is not available

(9.1.1.4) Primary reason why data is not available

Select from:

☑ Challenges associated with data collection and/or quality

(9.1.1.7) Percentage of water volume the exclusion represents

Select from:

☑ 11-20%

(9.1.1.8) Please explain

Water withdrawals
[Add row]

(9.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

Water withdrawals – total volumes

(9.2.1) % of sites/facilities/operations

Select from:
☑ 76-99

(9.2.2) Frequency of measurement

Select from:
☑ Monthly

(9.2.3) Method of measurement

Water Meter from the Water Utility Company

Water withdrawals – volumes by source

(9.2.1) % of sites/facilities/operations

Select from:
☑ 76-99

(9.2.2) Frequency of measurement

Select from:

☑ Monthly

(9.2.3) Method of measurement

Water Meter from the Water Utility Company

Water withdrawals quality

(9.2.1) % of sites/facilities/operations

Select from:
☑ 76-99

(9.2.2) Frequency of measurement

Select from:
☑ Yearly

(9.2.3) Method of measurement

Third-Party Inspection Company

Water discharges – total volumes

(9.2.1) % of sites/facilities/operations

Select from:
☑ 76-99

(9.2.2) Frequency of measurement

Select from:
☑ Monthly

(9.2.3) Method of measurement

Discharge Water Meter

Water discharges – volumes by destination

(9.2.1) % of sites/facilities/operations

Select from:

☑ 76-99

(9.2.2) Frequency of measurement

Select from:

☑ Monthly

(9.2.3) Method of measurement

Discharge Water Meter

Water discharges – volumes by treatment method

(9.2.1) % of sites/facilities/operations

Select from:

☑ Not monitored

Water discharge quality – by standard effluent parameters

(9.2.1) % of sites/facilities/operations

Select from:

☑ 76-99

(9.2.2) Frequency of measurement

Select from:

☑ Daily

(9.2.3) Method of measurement

Self-Monitoring in Compliance with Environmental Regulations

Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)

(9.2.1) % of sites/facilities/operations

Select from:

☑ Not monitored

Water discharge quality – temperature

(9.2.1) % of sites/facilities/operations

Select from:

☑ Not monitored

Water consumption – total volume

(9.2.1) % of sites/facilities/operations

Select from:

☑ Not monitored

Water recycled/reused

(9.2.1) % of sites/facilities/operations

Select from:

☑ 76-99

(9.2.2) Frequency of measurement

Select from:

☑ Monthly

(9.2.3) Method of measurement

Recycled Water Meter

The provision of fully-functioning, safely managed WASH services to all workers

(9.2.1) % of sites/facilities/operations

Select from:

☑ Not relevant

[Fixed row]

(9.2.2) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?

Total withdrawals

(9.2.2.1) Volume (megaliters/year)

355.18

(9.2.2.2) Comparison with previous reporting year

Select from:

☑ Higher

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.2.4) Five-year forecast

Select from:

☑ Higher

(9.2.2.5) Primary reason for forecast

Select from:

☑ Increase/decrease in business activity

Total discharges

(9.2.2.1) Volume (megaliters/year)

238.55

(9.2.2.2) Comparison with previous reporting year

Select from:

☑ Lower

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in efficiency

(9.2.2.4) Five-year forecast

Select from:

☑ Lower

(9.2.2.5) Primary reason for forecast

Select from:

☑ Increase/decrease in efficiency

Total consumption

(9.2.2.1) Volume (megaliters/year)

102.43

(9.2.2.2) Comparison with previous reporting year

Select from:

☑ Higher

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☑ Unknown

(9.2.2.4) Five-year forecast

Select from:

☑ Unknown

(9.2.2.5) Primary reason for forecast

Select from:

☑ Unknown

[Fixed row]

(9.2.4) Indicate whether water is withdrawn from areas with water stress, provide the volume, how it compares with the previous reporting year, and how it is forecasted to change.

	Withdrawals are from areas with water stress	Identification tool	Please explain
	Select from: ☑ No	*Select all that apply* ☑ WRI Aqueduct	*Water stress in Taiwan is Low to Medium.*

[Fixed row]

(9.2.7) Provide total water withdrawal data by source.

Fresh surface water, including rainwater, water from wetlands, rivers, and lakes

(9.2.7.1) Relevance

Select from:

☑ Not relevant

Brackish surface water/Seawater

(9.2.7.1) Relevance

Select from:

☑ Not relevant

Groundwater – renewable

(9.2.7.1) Relevance

Select from:

☑ Not relevant

Groundwater – non-renewable

(9.2.7.1) Relevance

Select from:

☑ Relevant

(9.2.7.2) Volume (megaliters/year)

122.16

(9.2.7.3) Comparison with previous reporting year

Select from:

☑ Higher

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

Produced/Entrained water

(9.2.7.1) Relevance

Select from:

☑ Not relevant

Third party sources

(9.2.7.1) Relevance

Select from:

☑ Relevant

(9.2.7.2) Volume (megaliters/year)

233.02

(9.2.7.3) Comparison with previous reporting year

Select from:

☑ Higher

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

[Fixed row]

(9.2.8) Provide total water discharge data by destination.

Fresh surface water

(9.2.8.1) Relevance

Select from:

☑ Not relevant

Brackish surface water/seawater

(9.2.8.1) Relevance

Select from:

☑ Not relevant

Groundwater

(9.2.8.1) Relevance

Select from:

☑ Not relevant

Third-party destinations

(9.2.8.1) Relevance

Select from:

☑ Relevant

(9.2.8.2) Volume (megaliters/year)

238.55

(9.2.8.3) Comparison with previous reporting year

Select from:

☑ Lower

(9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in efficiency

[Fixed row]

(9.3) In your direct operations and upstream value chain, what is the number of facilities where you have identified substantive water-related dependencies, impacts, risks, and opportunities?

	Identification of facilities in the value chain stage
Direct operations	*Select from:*

	Identification of facilities in the value chain stage
	☑ No, we have not assessed this value chain stage for facilities with water-related dependencies, impacts, risks, and opportunities, but we are planning to do so in the next 2 years
Upstream value chain	*Select from:* ☑ No, we have not assessed this value chain stage for facilities with water-related dependencies, impacts, risks, and opportunities, but we are planning to do so in the next 2 years

[Fixed row]

(9.5) Provide a figure for your organization's total water withdrawal efficiency.

	Revenue (currency)	Total water withdrawal efficiency
	10635464000	*29943870.71*

[Fixed row]

(9.13) Do any of your products contain substances classified as hazardous by a regulatory authority?

(9.13.1) Products contain hazardous substances

Select from:

☑ No

(9.13.2) Comment

Process wastewater which has undergone chemical treatment and biological decomposition processes can only be discharged when water quality adheres to legal standards.
[Fixed row]

(9.14) Do you classify any of your current products and/or services as low water impact?

	Products and/or services classified as low water impact	Primary reason for not classifying any of your current products and/or services as low water impact
	Select from: ☑ No, but we plan to address this within the next two years	*Select from:* ☑ Lack of internal resources

[Fixed row]

(9.15) Do you have any water-related targets?

Select from:
☑ Yes

(9.15.1) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.

	Target set in this category
Water pollution	*Select from:* ☑ Yes

	Target set in this category
Water withdrawals	*Select from:* ☑ Yes
Water, Sanitation, and Hygiene (WASH) services	*Select from:* ☑ No, and we do not plan to within the next two years

[Fixed row]

(9.15.2) Provide details of your water-related targets and the progress made.

Row 1

(9.15.2.1) Target reference number

Select from:

☑ Target 1

(9.15.2.2) Target coverage

Select from:

☑ Organization-wide (direct operations only)

(9.15.2.3) Category of target & Quantitative metric

Water pollution

☑ Reduction in water discharge volumes

(9.15.2.4) Date target was set

12/30/2023

(9.15.2.5) End date of base year

12/30/2022

(9.15.2.6) Base year figure

260.02

(9.15.2.7) End date of target year

12/30/2030

(9.15.2.8) Target year figure

241.82

(9.15.2.9) Reporting year figure

238.55

(9.15.2.10) Target status in reporting year

Select from:

☑ New

(9.15.2.11) % of target achieved relative to base year

118

(9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target

Select all that apply

☑ None, no alignment after assessment

Row 2

(9.15.2.1) Target reference number

Select from:

☑ Target 2

(9.15.2.2) Target coverage

Select from:

☑ Organization-wide (direct operations only)

(9.15.2.3) Category of target & Quantitative metric

Water withdrawals

☑ Reduction in total water withdrawals

(9.15.2.4) Date target was set

12/30/2023

(9.15.2.5) End date of base year

12/30/2022

(9.15.2.6) Base year figure

338.11

(9.15.2.7) End date of target year

12/30/2030

(9.15.2.8) Target year figure

321.2

(9.15.2.9) Reporting year figure

355.18

(9.15.2.10) Target status in reporting year

Select from:

☑ New

(9.15.2.11) % of target achieved relative to base year

-101

(9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target

Select all that apply

☑ None, no alignment after assessment

[Add row]

C11. Environmental performance - Biodiversity

(11.2) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

(11.2.1) Actions taken in the reporting period to progress your biodiversity-related commitments

Select from:

☑ Yes, we are taking actions to progress our biodiversity-related commitments

(11.2.2) Type of action taken to progress biodiversity- related commitments

Select all that apply

☑ Land/water protection

[Fixed row]

(11.3) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?
	Select from: ☑ No, we do not use indicators, but plan to within the next two years

[Fixed row]

(11.4) Does your organization have activities located in or near to areas important for biodiversity in the reporting year?

	Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity	Comment
Legally protected areas	*Select from:* ☑ No	*We didn't have activities located in or near to areas important for biodiversity.*
UNESCO World Heritage sites	*Select from:* ☑ No	*We didn't have activities located in or near to areas important for biodiversity.*
UNESCO Man and the Biosphere Reserves	*Select from:* ☑ No	*We didn't have activities located in or near to areas important for biodiversity.*
Ramsar sites	*Select from:* ☑ No	*We didn't have activities located in or near to areas important for biodiversity.*
Key Biodiversity Areas	*Select from:* ☑ No	*We didn't have activities located in or near to areas important for biodiversity.*
Other areas important for biodiversity	*Select from:* ☑ No	*We didn't have activities located in or near to areas important for biodiversity.*

[Fixed row]

C13. Further information & sign off

(13.1) Indicate if any environmental information included in your CDP response (not already reported in 7.9.1/2/3, 8.9.1/2/3/4, and 9.3.2) is verified and/or assured by a third party?

	Other environmental information included in your CDP response is verified and/or assured by a third party
	Select from: ☑ Yes

[Fixed row]

(13.1.1) Which data points within your CDP response are verified and/or assured by a third party, and which standards were used?

Row 1

(13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

☑ Climate change

(13.1.1.2) Disclosure module and data verified and/or assured

Environmental performance – Climate change

☑ Base year emissions

(13.1.1.3) Verification/assurance standard

Climate change-related standards

☑ ISO 14064-1

(13.1.1.4) Further details of the third-party verification/assurance process

The scope verified by a third party is only Grape King Bio.

(13.1.1.5) Attach verification/assurance evidence/report (optional)

ISO 14064æº«å®¤æ°£é«" æŸ¥é©—å ±å‘Š æ› ¸(EN)2022.pdf

Row 2

(13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

☑ Climate change

(13.1.1.2) Disclosure module and data verified and/or assured

Environmental performance – Climate change

☑ Electricity/Steam/Heat/Cooling consumption

☑ Renewable Electricity/Steam/Heat/Cooling consumption

(13.1.1.3) Verification/assurance standard

General standards

☑ ISAE 3000

(13.1.1.4) Further details of the third-party verification/assurance process

The scope verified by a third party is company in Taiwan.

(13.1.1.5) Attach verification/assurance evidence/report (optional)

Independent_Auditors'_Limited_Assurance_Report.pdf

Row 3

(13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

☑ Water

(13.1.1.2) Disclosure module and data verified and/or assured

Environmental performance – Water security

☑ Water consumption– total volume

☑ Water discharges– total volumes

☑ Water withdrawals– total volumes

(13.1.1.3) Verification/assurance standard

General standards

☑ ISAE 3000

(13.1.1.4) Further details of the third-party verification/assurance process

The scope verified by a third party is company in Taiwan.

(13.1.1.5) Attach verification/assurance evidence/report (optional)

Independent_Auditors'_Limited_Assurance_Report.pdf
[Add row]

(13.3) Provide the following information for the person that has signed off (approved) your CDP response.

(13.3.1) Job title

Chief Sustainability Officer (CSO)

(13.3.2) Corresponding job category

Select from:

☑ Chief Sustainability Officer (CSO)

[Fixed row]

(13.4) Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.

Select from:

☑ Yes, CDP may share our Disclosure Submission Lead contact details with the Pacific Institute