

F0. Introduction

F0.1

(F0.1) Give a general description of and introduction to your organization.

At Darling Ingredients, we create sustainable food, feed and fuel ingredient solutions. We take the meat by-products from our animal-based diets, and process them to reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Our natural and sustainable ingredients are marketed internationally to the pharmaceutical, food, animal feed, pet food, biofuel, fertilizer, sports nutrition and cosmetic industries.

Our Feed and Pet Food solutions, by re-purposing organic bio-nutrient residuals, have grown into one of the world's leading suppliers of natural, sustainable feed ingredients. Additionally, the safe processing of organic meat co-products and animal mortalities has proven to be the most secure and efficient way of handling these materials, as compared to other methods which can harm the environment through the release of methane gases and pathogens.

What we do and how we do it helps protect the world's food chain from farm to table. Through our bio-security standards at our processing facilities, our customers can be assured that our food ingredients are fully traceable and our products and processes are fully compliant with food safety regulations. Our industry is often referred to as "the gatekeeper," keeping our food chain safe from harmful materials. By processing unconsumed meat co-products into usable ingredients rather than disposing of them in landfills or compost piles, our facilities *prevent* more greenhouse gases from being released into the air rather than what they add to it during operations. By re-purposing this material, we also help protect our land and groundwater from pathogens that occur during nature's decomposition process. And, by ensuring our feed ingredients are traceable and safe, we protect the livestock that start this food cycle in motion. We're the world's leading supplier of gelatin and collagen peptides. We provide global food and meat manufacturers with safe, fully traceable sausage casings and meat co-products. We contribute to innovative, healthy food concepts through our natural proteins and other natural dietary supplements

Darling Ingredients has taken the lead in developing new opportunities in renewable energy. Whether from re-purposed animal fats, organic residuals or the oil and grease we collect from restaurants, our energy solutions are one more contribution towards a paradigm shift in the world's long-term energy balance. Our many years of experience in acquiring organic co-products and residuals and converting them into innovative, high-value products have positioned us as a global leader in renewable energy development. We were the first in the USA to pioneer the commercial production of biodiesel utilizing animal fats and used cooking oils. In 2005, we became Canada's first producer of biodiesel from animal fats and cooking oils. In 2013, together with Valero Energy Corporation, we constructed North America's largest facility to convert animal fats, used cooking oils and distiller oils into renewable diesel. In Europe, we are leading the way with innovative biofuel and renewable energy solutions.

At Darling Ingredients, we have over a century of experience in making the world a greener place. As an innovative developer of organic fertilizers, we take 'going green' quite literally, re-purposing industrial residuals and meat co-products into nutritional, life-sustaining solutions for horticultural gardens, organic farming, healthy sports turf and more. Using our fertilizer and soil enrichment solutions result in higher yields on conventional and organic farms, as well as greener golf courses, sports turf and lawns. We can also help to improve phosphate balances in agriculture. Developing these resources from residuals also means we make operations cleaner, smoother and more sustainable for a variety of industries. Our methods for storing, collecting and re-purposing these residuals demonstrate how our company serves as a leading steward of our planet's natural resources.

Commercial bakeries and snack manufacturers throughout North America rely on us for the full-service management of their residuals. Bakery Feeds we re-purposed them into a sustainable, quality ingredient for feed rations. Our services unburden the bakery and snack industry, add value to the feed industry, and improve the sustainability performance of both.

Because the nature of our business is in bulk commodities we do not generally utilize any packaging materials for our raw materials or our finished products. In addition, our recycled fats (including tallow, corn oil, palm oil and soy oil) and animal proteins compete against and displace corn and soy grown for animal feed thereby helping in the effort to limit de-forestation.

F0.2

(F0.2) State the start and end date of the year for which you are reporting data.

	Start Date	End Date
Reporting year	January 1 2019	December 31 2019

F0.3

(F0.3) Select the currency used for all financial information disclosed throughout your response.

USD

F0.4

(F0.4) Select the forest risk commodity(ies) that you are, or are not, disclosing on. For each forest risk commodity selected, identify the stages of the supply chain which best represents your organization's area of operation.

	Commodity disclosure	Stage of the value chain	Explanation if not disclosing
Timber products	Disclosing	Manufacturing	<Not Applicable>
Palm oil	Disclosing	Manufacturing	<Not Applicable>
Cattle products	Disclosing	Processing Manufacturing	<Not Applicable>
Soy	Disclosing	Manufacturing	<Not Applicable>
Other - Rubber	This commodity is not produced, sourced or used by our organization	<Not Applicable>	<Not Applicable>
Other - Cocoa	This commodity is not produced, sourced or used by our organization	<Not Applicable>	<Not Applicable>
Other - Coffee	This commodity is not produced, sourced or used by our organization	<Not Applicable>	<Not Applicable>

F0.5

(F0.5) Are there any parts of your direct operations or supply chain that are not included in your disclosure?

No

F1. Current state

F1.1

(F1.1) How does your organization produce, use or sell your disclosed commodity(ies)?

Timber products

Activity

Using as input into manufacturing process for power generation

Form of commodity

Sawn timber, veneer, chips
Wood-based bioenergy

Source

Multiple contracted producers

Country/Area of origin

Brazil
United States of America

% of procurement spend

<1%

Comment

In Brazil we utilize eucalyptus wood grown as biofuel to provide thermal energy in our gelatin manufacturing facilities. We also utilize waste wood chips for thermal energy at our US Bakery Feed operations.

Palm oil

Activity

Using as input into product manufacturing
Other, please specify (We recycle used cooking oils, including palm oil, for use in animal feed and biofuel production.)

Form of commodity

Other, please specify (Palm oil as used cooking oil)

Source

Other, please specify (Used cooking oil is a by-product of the food industry including restaurants and food processing.)

Country/Area of origin

Canada
United States of America

% of procurement spend

6-10%

Comment

Our primary used cooking oil collection occurs in the US and Canada. We are unable to differentiate the cooking oils collected as they are co-mingled so are unsure of the precise volume of palm oil.

Cattle products

Activity

Using as input into product manufacturing
 Rendering for tallow
 Other, please specify (We re-purpose meat industry by-products creating ingredients for production of food, feed, fertilizer and fuel.)

Form of commodity

Tallow
 By-products (e.g. glycerin, gelatin)
 Hides/leather
 Tallow biodiesel
 Other, please specify (Meat Meal, Bone Ash, Fertilizer, Biofuel)

Source

Contracted suppliers (processors)

Country/Area of origin

Canada
 United States of America

% of procurement spend

6-10%

Comment

This includes both slaughterhouse by-products as well as farm mortalities from North America and Europe

Soy

Activity

Using as input into product manufacturing
 Other, please specify (We recycle used cooking oils, including soy oil, for use in animal feed and biofuel production.)

Form of commodity

Other, please specify (Soy Oil as Used Cooking Oil)

Source

Other, please specify (Used cooking oil is a by-product of the food industry including restaurants and food processing.)

Country/Area of origin

Canada
 United States of America

% of procurement spend

6-10%

Comment

Our primary used cooking oil collection occurs in the US and Canada. We are unable to differentiate the cooking oils collected as they are co-mingled so are unsure of the precise volume of soy oil.

F1.2

(F1.2) Indicate the percentage of your organization's revenue that was dependent on your disclosed forest risk commodity(ies) in the reporting year.

	% of revenue dependent on commodity	Comment
Timber products	<1%	Darling utilizes these timber by-products to provide energy and displace fossil fuel usage. Darling utilizes sawmill dust as a thermal energy source in many of our bakery feed facilities. We also utilize eucalyptus wood as a thermal biomass energy source at our Brazilian gelatin operations.
Palm oil	1-5%	Darling collects used cooking oil (i.e. restaurant and food grease) from suppliers all over the world. Normally, restaurants are contracted with Darling where Darling provides used cooking oil collection and disposal for the restaurant. In this instance, the restaurant may be utilizing palm oil as their deep frying oil of choice. Once utilized, the restaurant would dispose of the used palm oil into a container, of which a Darling driver would pick up for routing back to a Darling facility for processing.
Cattle products	11-20%	We take the meat by-products from the production and processing of cattle for our animal-based diets and reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used in the food, feed and fuel industries.
Soy	1-5%	Darling collects used cooking oil (i.e. restaurant and food grease) from suppliers all over the world. Normally, restaurants are contracted with Darling where Darling provides used cooking oil collection and disposal for the restaurant. In this instance, the restaurant may be utilizing soy oil as their deep frying oil of choice. Once utilized, the restaurant would dispose of the used soy oil into a container, of which a Darling driver would pick up for routing back to a Darling facility for processing.
Other - Rubber	<Not Applicable>	<Not Applicable>
Other - Cocoa	<Not Applicable>	<Not Applicable>
Other - Coffee	<Not Applicable>	<Not Applicable>

F1.5

(F1.5) Does your organization collect production and/or consumption data for your disclosed commodity(ies)?

	Data availability/Disclosure
Timber products	Consumption data available, disclosing
Palm oil	Data not available
Cattle products	Data not available
Soy	Data not available
Other - Rubber	<Not Applicable>
Other - Cocoa	<Not Applicable>
Other - Coffee	<Not Applicable>

F1.5a

(F1.5a) Disclose your production and/or consumption data.

Forest risk commodity

Timber products

Data type

Consumption data

Volume

243016220

Metric

Other, please specify (kWhth of thermal heat generated from wood biomass in Brazil)

Data coverage

Full commodity production/consumption

Please explain

<Not Applicable>

Forest risk commodity

Timber products

Data type

Consumption data

Volume

8462

Metric

Other, please specify (Tons of sawmill dust used for thermal energy production at US bakery operations)

Data coverage

Full commodity production/consumption

Please explain

<Not Applicable>

F1.5b

(F1.5b) For your disclosed commodity(ies), indicate the percentage of the production/consumption volume sourced by national and/or sub-national jurisdiction of origin.

Forest risk commodity

Timber products

Country/Area of origin

Brazil

State or equivalent jurisdiction

Don't know

% of total production/consumption volume

100

Please explain

100% of the wood used for thermal energy is grown local to the processing facility

Forest risk commodity

Timber products

Country/Area of origin

Any other countries/areas

State or equivalent jurisdiction

<Not Applicable>

% of total production/consumption volume

100

Please explain

100% of the sawmill dust used for thermal energy comes from local suppliers.

F1.5d

(F1.5d) Why is production and/or consumption data not available for your disclosed commodity(ies)?

	Primary reason	Please explain
Timber products	<Not Applicable>	<Not Applicable>
Palm oil	Important, but not an immediate business priority	Understanding the type of cooking oil that restaurants use is important, but not an immediate business priority since it is comingled prior to our processing.
Cattle products	Important, but not an immediate business priority	Because various species are often included in our raw material it can be very difficult to accurately measure production specific to cattle products. For example, meat meal may have cattle, pork and sheep inputs.
Soy	Important, but not an immediate business priority	Understanding the type of cooking oil that restaurants use is important, but not an immediate business priority since it is comingled prior to our processing.
Other - Rubber	<Not Applicable>	<Not Applicable>
Other - Cocoa	<Not Applicable>	<Not Applicable>
Other - Coffee	<Not Applicable>	<Not Applicable>

F1.6

(F1.6) Has your organization experienced any detrimental forests-related impacts?

No

F2. Procedures

F2.1

(F2.1) Does your organization undertake a forests-related risk assessment?

Yes, forests-related risks are assessed

F2.1a

(F2.1a) Select the options that best describe your procedures for identifying and assessing forests-related risks.

Timber products

Value chain stage

Direct operations

Coverage

Full

Risk assessment procedure

Other, please specify (As part of our CSR Team risks and opportunities assessment)

Frequency of assessment

Annually

How far into the future are risks considered?

3 to 6 years

Tools and methods used

Internal company methods

Please explain

Darling's Global Sustainability Committee (GCS) includes senior executives responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and the assignment of responsibility and accountability for their implementation. With respect to climate related risks and opportunities, the GCS assesses scenarios that may impact Darling's future financial position. These climate related risks and opportunities include those risks related to the transition to a lower carbon economy, those risks related to the physical impacts of climate change as well as opportunities associated with efforts to mitigate and adapt to climate change.

Palm oil

Value chain stage

Direct operations

Coverage

Full

Risk assessment procedure

Other, please specify (As part of our CSR Team risks and opportunities assessment)

Frequency of assessment

Annually

How far into the future are risks considered?

3 to 6 years

Tools and methods used

Internal company methods

Please explain

Darling's Global Sustainability Committee (GCS) includes senior executives responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and the assignment of responsibility and accountability for their implementation. With respect to climate related risks and opportunities, the GCS assesses scenarios that may impact Darling's future financial position. These climate related risks and opportunities include those risks related to the transition to a lower carbon economy, those risks related to the physical impacts of climate change as well as opportunities associated with efforts to mitigate and adapt to climate change.

Cattle products

Value chain stage

Direct operations

Coverage

Full

Risk assessment procedure

Other, please specify (As part of our CSR Team risks and opportunities assessment)

Frequency of assessment

Annually

How far into the future are risks considered?

3 to 6 years

Tools and methods used

Internal company methods

Please explain

Darling's Global Sustainability Committee (GCS) includes senior executives responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and the assignment of responsibility and accountability for their implementation. With respect to climate related risks and opportunities, the GCS assesses scenarios that may impact Darling's future financial position. These climate related risks and opportunities include those risks related to the transition to a lower carbon economy, those risks related to the physical impacts of climate change as well as opportunities associated with efforts to mitigate and adapt to climate change.

Soy

Value chain stage

Direct operations

Coverage

Full

Risk assessment procedure

Other, please specify (As part of our CSR Team risks and opportunities assessment)

Frequency of assessment

Annually

How far into the future are risks considered?

3 to 6 years

Tools and methods used

Internal company methods

Please explain

Darling's Global Sustainability Committee (GCS) includes senior executives responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and the assignment of responsibility and accountability for their implementation. With respect to climate related risks and opportunities, the GCS assesses scenarios that may impact Darling's future financial position. These climate related risks and opportunities include those risks related to the transition to a lower carbon economy, those risks related to the physical impacts of climate change as well as opportunities associated with efforts to mitigate and adapt to climate change.

F2.1b

(F2.1b) Which of the following issues are considered in your organization's forests-related risk assessment(s)?

Availability of forest risk commodities

Relevance & inclusion

Relevant, always included

Please explain

The availability of these commodities has direct impacts on our business. Our finished products compete against many of these risk commodities in the marketplace so we would take into account supply and demand. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts.

Quality of forest risk commodities

Relevance & inclusion

Relevant, always included

Please explain

The quality of these commodities has direct impacts on our business. Our finished products compete against many of these risk commodities in the marketplace so we would take into account supply and demand. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts.

Impact of activity on the status of ecosystems and habitats

Relevance & inclusion

Relevant, always included

Please explain

Our whole business is about the use of renewable materials and the positive impact on our environment. The impacts to ecosystems of these commodities has direct impacts on our business. Our finished products compete against many of these risk commodities in the marketplace so we would take into account public perception of brand and impacts. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts.

Regulation

Relevance & inclusion

Relevant, always included

Please explain

Regulatory aspects influence our decisions and have has direct impacts on our business. Our finished products compete against many of these risk commodities in the marketplace so we would take into account supply and demand. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts. Use of wood biomass for energy can have regulatory challenges.

Climate change

Relevance & inclusion

Relevant, always included

Please explain

Shifting from fossil to biogenic emissions are core to our business and part of our long term goals. The impacts to climate change of these commodities may have direct impacts on our business. Our finished products compete against many of these risk commodities in the marketplace. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting climate change impacts.

Impact on water security

Relevance & inclusion

Relevant, always included

Please explain

We always consider water security in our decisions and what the potential impacts could be to our business. Our facilities require a good source of quality water to ensure the highest food quality for our customers.

Tariffs or price increases

Relevance & inclusion

Relevant, always included

Please explain

The pricing of these commodities has direct impacts on our business. Our finished products compete against many of these risk commodities in the marketplace so we would take into account pricing and the effect on supply and demand. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts.

Loss of markets

Relevance & inclusion

Relevant, always included

Please explain

As markets adjust to new stakeholder expectations we need to consider how we adjust as well. Our finished products compete against many of these risk commodities in the marketplace so we would take into account supply and demand. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts.

Brand damage related to forest risk commodities

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. A good public perception of this purpose is very important to the Darling brand. Our finished products compete against many of these risk commodities in the marketplace so we would take into account potential for brand damage and any impact to supply and demand. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts.

Corruption

Relevance & inclusion

Relevant, always included

Please explain

Corruption is always considered as part of our Corp Code of Conduct in all assessments. A good public perception is very important to the Darling brand. Our finished products compete against many of these risk commodities in the marketplace so we would take into account the negative impact from potential corruption. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts.

Social impacts

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. Having a very positive impact on the communities in which we operate is very important to the Darling brand. Our finished products compete against many of these risk commodities in the marketplace so we would take into account any social impacts to our communities. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts.

Other, please specify

Relevance & inclusion

Please select

Please explain

F2.1c

(F2.1c) Which of the following stakeholders are considered in your organization's forests-related risk assessments?

Customers

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. Communicating this in a positive way to our customers is important to our business. Our finished products compete against many of these risk commodities in the marketplace so we would take into account any considerations of customer perception.

Employees

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. Having a very positive impact on the communities in which we operate and in the lives of our employees is very important to Darling. Because our finished products compete against many of these risk commodities in the marketplace we would take into account any employee impacts.

Investors

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. Being able to demonstrate to our investors that we consider all types of risks is very important to Darling. Because our finished products compete against many of these risk commodities in the marketplace it is important to be part of our assessment.

Local communities

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. Having a very positive impact on the communities in which we operate and in the lives of our employees is very important to Darling. Because our finished products compete against many of these risk commodities in the marketplace we would take into account any employee impacts.

NGOs

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. Being able to demonstrate to NGOs that we consider all types of risks and potential impacts is very important to Darling. Because our finished products compete against many of these risk commodities in the marketplace it is important to be part of our assessment.

Other forest risk commodity users/producers at a local level

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. Having a very positive impact on the communities in which we operate including local users and producers of these commodities is very important to Darling. Because our finished products compete against many of these risk commodities in the marketplace it is important for us to consider these potential impacts.

Regulators

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. Being able to demonstrate to the regulatory community that we consider all types of risks is very important to Darling. Because our finished products compete against many of these risk commodities in the marketplace it is important to be part of our assessment.

Suppliers

Relevance & inclusion

Relevant, always included

Please explain

Our purpose is to re-purpose. Communicating this in a positive way to our suppliers is critical to maintaining a great relationship and important to our business. Our finished products compete against many of these risk commodities in the marketplace so what we do is important to our suppliers.

Other stakeholders, please specify

Relevance & inclusion

Please select

Please explain

F3. Risks and opportunities

F3.1

(F3.1) Have you identified any inherent forests-related risks with the potential to have a substantive financial or strategic impact on your business?

	Risk identified?
Timber products	No
Palm oil	No
Cattle products	No
Soy	No
Other - Rubber	<Not Applicable>
Other - Cocoa	<Not Applicable>
Other - Coffee	<Not Applicable>

F3.1a

(F3.1a) How does your organization define substantive financial or strategic impact on your business?

The determination of the level of impact of a risk or opportunity on our business is dependent on the particular facts and circumstances at hand. In general, we would consider any business risk or opportunity that applies to both our direct operations and our supply chain, including those related to climate and water, that could have an impact of greater than 5% of our Adjusted EBITDA to have a "substantive financial or strategic impact" on our business. For example, if one or more sites representing more than 5% of our Adjusted EBITDA in the previous financial year experienced a prolonged shutdown due to a loss of operating capacity induced by a water shortage, this would be considered as substantive impact. A change could also be considered substantive if it directly impacted our corporate reputation and/or brand value and/or directly affected the wellbeing of our employees.

F3.1c

(F3.1c) Why does your organization not consider itself to be exposed to forests-related risks with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Timber products	Risks exist, but no substantive impact anticipated	Our use of timber products is limited to sawmill waste and wood grown as a biogenic energy source. The risks associated with timber products are not assessed to be substantive at this time.
Palm oil	Risks exist, but no substantive impact anticipated	Our finished products compete against risk commodities, including palm oil, in the marketplace. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts. The risks associated with palm oil are not assessed to be substantive at this time.
Cattle products	Risks exist, but no substantive impact anticipated	Our finished products compete against risk commodities in the marketplace. Our re-purposing of these risk commodities displaces the production of cattle, soy and palm and the resulting forest impacts. The risks associated with cattle products are not assessed to be substantive at this time.
Soy	Risks exist, but no substantive impact anticipated	Our finished products compete against risk commodities, including soy oil, in the marketplace. Our re-purposing of soy and palm oil displaces the production of soy and palm and the resulting forest impacts. The risks associated with soy oil are not assessed to be substantive at this time.
Other - Rubber	<Not Applicable>	<Not Applicable>
Other - Cocoa	<Not Applicable>	<Not Applicable>
Other - Coffee	<Not Applicable>	<Not Applicable>

F3.2

(F3.2) Have you identified any forests-related opportunities with the potential to have a substantive financial or strategic impact on your business?

	Have you identified opportunities?
Timber products	No
Palm oil	Yes
Cattle products	Yes
Soy	Yes
Other - Rubber	<Not Applicable>
Other - Cocoa	<Not Applicable>
Other - Coffee	<Not Applicable>

F3.2a

(F3.2a) For your selected forest risk commodity(ies), provide details of the identified opportunities with the potential to have a substantive financial or strategic impact on your business.

Forest risk commodity

Palm oil

Type of opportunity

Other

Where in your value chain does the opportunity occur?

Other parts of the value chain

Primary forests-related opportunity

Other, please specify

Company-specific description & strategy to realize opportunity

Expanded re-purposing of used cooking oil into feedstock for our renewable diesel production operations has the potential for substantive impact.

Estimated timeframe for realization

1-3 years

Magnitude of potential impact

Medium

Likelihood

Likely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Forest risk commodity

Cattle products

Type of opportunity

Other

Where in your value chain does the opportunity occur?

Other parts of the value chain

Primary forests-related opportunity

Other, please specify

Company-specific description & strategy to realize opportunity

Expanded re-purposing of tallow into feedstock for our renewable diesel production operations has the potential for substantive impact.

Estimated timeframe for realization

1-3 years

Magnitude of potential impact

Medium

Likelihood

Likely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Forest risk commodity

Soy

Type of opportunity

Other

Where in your value chain does the opportunity occur?

Other parts of the value chain

Primary forests-related opportunity

Other, please specify

Company-specific description & strategy to realize opportunity

Expanded re-purposing of used cooking oil into feedstock for our renewable diesel production operations has the potential for substantive impact.

Estimated timeframe for realization

1-3 years

Magnitude of potential impact

Medium

Likelihood

Likely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

F3.2b

(F3.2b) Why does your organization not consider itself to have forests-related opportunities?

Timber products

Primary reason

Opportunities exist, but none with potential to have a substantive financial or strategic impact on business

Please explain

We will continue to pursue these opportunities to utilize sawmill waste products as well as wood produced for biogenic energy.

F4. Governance

F4.1

(F4.1) Is there board-level oversight of forests-related issues within your organization?

No

F4.1c

(F4.1c) Why is there no board-level oversight of forests-related issues and what are your plans to change this in the future?

	Primary reason	Board level oversight of forests-related issues will be introduced in the next two years	Please explain
Row 1	All forest related risks have been assessed to be below what we define as substantive.	No	We have implemented our risk assessment process and each issue will be evaluated for board oversight with the primary criteria being substantive risk.

F4.2

(F4.2) Provide the highest management-level position(s) or committee(s) with responsibility for forests-related issues (do not include the names of individuals).

Name of the position(s) and/or committee(s)	Responsibility	Frequency of reporting to the board on forests-related issues	Please explain
Sustainability committee	Assessing forests-related risks and opportunities	Annually	Darling's Global Sustainability Committee (GCS) includes senior executives responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and the assignment of responsibility and accountability for their implementation. With respect to climate related risks and opportunities, the GCS assesses scenarios that may impact Darling's future financial position. These climate related risks and opportunities include those risks related to the transition to a lower carbon economy, those risks related to the physical impacts of climate change as well as opportunities associated with efforts to mitigate and adapt to climate change.

F4.3

(F4.3) Do you provide incentives to C-suite employees or board members for the management of forests-related issues?

	Provide incentives for management of forests-related issues	Comment
Row 1	Yes	C-Suite employees do have CSR based incentives but not specific to forest related issues.

F4.3a

(F4.3a) What incentives are provided to C-Suite employees or board members for the management of forests-related issues (do not include the names of individuals)?

	Role(s) entitled to incentive?	Performance indicator	Please explain
Monetary reward	Chief Executive Officer (CEO)	Other, please specify (Further develop Sustainability and Corporate Social Responsibility Approach) No indicator for incentivized performance	Continue to refine our ESG goals, objectives and messaging, including the rollout of a detailed ESG Factsheet.
Non-monetary reward	Please select	Please select	

F4.4

(F4.4) Did your organization include information about its response to forests-related risks in its most recent mainstream financial report?

No, but we plan to do so in the next two years

F4.5

(F4.5) Does your organization have a policy that includes forests-related issues?

No, but we plan to develop one within the next two years

F4.6

(F4.6) Has your organization made a public commitment to reduce or remove deforestation and/or forest degradation from its direct operations and/or supply chain?

No

F5. Business strategy

F5.1

(F5.1) Are forests-related issues integrated into any aspects of your long-term strategic business plan, and if so how?

	Are forests-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	No, forests-related related issues were reviewed but not considered as strategically relevant/significant	5-10	Darling's Global Sustainability Committee (GCS) includes senior executives responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and the assignment of responsibility and accountability for their implementation. With respect to climate related risks and opportunities, the GCS assesses scenarios that may impact Darling's future financial position. These climate related risks and opportunities include those risks related to the transition to a lower carbon economy, those risks related to the physical impacts of climate change as well as opportunities associated with efforts to mitigate and adapt to climate change. We have implemented our risk assessment process and no issues were found to have substantive risk or were considered strategically significant.
Strategy for long-term objectives	No, forests-related related issues were reviewed but not considered as strategically relevant/significant	5-10	Darling's Global Sustainability Committee (GCS) includes senior executives responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and the assignment of responsibility and accountability for their implementation. With respect to climate related risks and opportunities, the GCS assesses scenarios that may impact Darling's future financial position. These climate related risks and opportunities include those risks related to the transition to a lower carbon economy, those risks related to the physical impacts of climate change as well as opportunities associated with efforts to mitigate and adapt to climate change. We have implemented our risk assessment process and no issues were found to have substantive risk or were considered strategically significant.
Financial planning	No, forests-related related issues were reviewed but not considered as strategically relevant/significant	Please select	Darling's Global Sustainability Committee (GCS) includes senior executives responsible for day-to-day management of strategic, operational and compliance risks, including the creation of appropriate risk management policies and the assignment of responsibility and accountability for their implementation. With respect to climate related risks and opportunities, the GCS assesses scenarios that may impact Darling's future financial position. These climate related risks and opportunities include those risks related to the transition to a lower carbon economy, those risks related to the physical impacts of climate change as well as opportunities associated with efforts to mitigate and adapt to climate change. We have implemented our risk assessment process and no issues were found to have substantive risk or were considered strategically significant.

F6. Implementation

F6.1

(F6.1) Did you have any timebound and quantifiable targets for increasing sustainable production and/or consumption of your disclosed commodity(ies) that were active during the reporting year?

Yes

F6.1a

(F6.1a) Provide details of your timebound and quantifiable target(s) for increasing sustainable production and/or consumption of the disclosed commodity(ies), and progress made.

Target reference number

Target 1

Forest risk commodity

Palm oil

Type of target

Other, please specify (Production of renewable diesel from recycled used cooking oil.)

Description of target

Our goal is to increase the amount of renewable green diesel that we generate through the the DGD JV by 150% by 2022.

Linked commitment

Other environmental commitments

Traceability point

<Not Applicable>

Third-party certification scheme

<Not Applicable>

Start year

2019

Target year

2022

Quantitative metric

Absolute number

Target (number)

400000000

Target (%)

<Not Applicable>

% of target achieved

0

Please explain

Our goal is to increase our annual production of renewable green diesel from 275 million gallons to 675 million gallons by 2022.

F6.2

(F6.2) Do you have traceability system(s) in place to track and monitor the origin of your disclosed commodity(ies)?

	Do you have system(s) in place?	Description of traceability system	Exclusions	Description of exclusion
Timber products	Yes	We purchase directly from growers of the wood.	Not applicable	<Not Applicable>
Palm oil	No	<Not Applicable>	<Not Applicable>	<Not Applicable>
Cattle products	Yes	We contract and work directly with suppliers of meat processing by-products as well as farm mortality.	Not applicable	<Not Applicable>
Soy	No	<Not Applicable>	<Not Applicable>	<Not Applicable>
Other - Rubber	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Other - Cocoa	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Other - Coffee	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

F6.2a

(F6.2a) Provide details on the level of traceability your organization has for its disclosed commodity(ies).

Forest risk commodity	Point to which commodity is traceable	% of total production/consumption volume traceable
Timber products	Mill	100
Cattle products	Slaughterhouse	100

F6.2b

(F6.2b) Why do you not have system(s) in place to track and monitor the origin of your disclosed commodity(ies) and what are your plans to develop these in the future?

Forest risk commodity

Palm oil

Primary reason

Other, please specify (We collect and recycle used cooking oil which is a blend of all cooking oils including soy oil and palm oil.)

Please explain

Introducing a traceability system to track and monitor the origin of the soy oil or palm oil is infeasible at this time.

Forest risk commodity

Soy

Primary reason

Other, please specify (We collect and recycle used cooking oil which is a blend of all cooking oils including soy oil and palm oil.)

Please explain

Introducing a traceability system to track and monitor the origin of the soy oil or palm oil is infeasible at this time.

F6.3

(F6.3) Have you adopted any third-party certification scheme(s) for your disclosed commodity(ies)? Indicate the volume and percentage of your certified production and/or consumption.

Forest risk commodity

Palm oil

Third-party certification scheme

No certified production/consumption for this commodity

Certification coverage

<Not Applicable>

% of total production/consumption volume certified

<Not Applicable>

Form of commodity

<Not Applicable>

Volume of production/ consumption certified

<Not Applicable>

Metric

<Not Applicable>

Please explain

We collect and recycle used cooking oil which is a blend of all cooking oils including soy oil and palm oil.

Forest risk commodity

Soy

Third-party certification scheme

No certified production/consumption for this commodity

Certification coverage

<Not Applicable>

% of total production/consumption volume certified

<Not Applicable>

Form of commodity

<Not Applicable>

Volume of production/ consumption certified

<Not Applicable>

Metric

<Not Applicable>

Please explain

We collect and recycle used cooking oil which is a blend of all cooking oils including soy oil and palm oil.

F6.6

(F6.6) For your disclosed commodity(ies), indicate if you assess your own compliance and/or the compliance of your suppliers with forest regulations and/or mandatory standards.

	Assess legal compliance with forest regulations	Please explain
Timber products	No, we do not assess legal compliance	
Palm oil	<Not Applicable>	<Not Applicable>
Cattle products	<Not Applicable>	<Not Applicable>
Soy	<Not Applicable>	<Not Applicable>
Other - Rubber	<Not Applicable>	<Not Applicable>
Other - Cocoa	<Not Applicable>	<Not Applicable>
Other - Coffee	<Not Applicable>	<Not Applicable>

F6.7

(F6.7) Are you working with smallholders to support good agricultural practices and reduce deforestation and/or conversion of natural ecosystems?

	Are you working with smallholders?	Type of smallholder engagement approach	Smallholder engagement approach	Number of smallholders engaged	Please explain
Timber products	No, not working with smallholders	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Palm oil	No, not working with smallholders	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Cattle products	No, not working with smallholders	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Soy	No, not working with smallholders	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Other - Rubber	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Other - Cocoa	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Other - Coffee	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

F6.8

(F6.8) Are you working with your direct suppliers to support and improve their capacity to comply with your forests-related policies, commitments, and other requirements?

	Are you working with direct suppliers?	Type of direct supplier engagement approach	Direct supplier engagement approach	% of suppliers engaged	Please explain
Timber products	No, not working with direct suppliers	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Palm oil	No, not working with direct suppliers	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Cattle products	No, not working with direct suppliers	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Soy	No, not working with direct suppliers	<Not Applicable>	<Not Applicable>	<Not Applicable>	
Other - Rubber	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Other - Cocoa	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Other - Coffee	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

F6.9

(F6.9) Are you working beyond your first-tier supplier(s) to manage and mitigate deforestation risks?

	Are you working beyond first tier?	Type of engagement approach with indirect suppliers	Indirect supplier engagement approach	Please explain
Timber products	No, not working beyond the first tier	<Not Applicable>	<Not Applicable>	
Palm oil	No, not working beyond the first tier	<Not Applicable>	<Not Applicable>	
Cattle products	No, not working beyond the first tier	<Not Applicable>	<Not Applicable>	
Soy	No, not working beyond the first tier	<Not Applicable>	<Not Applicable>	
Other - Rubber	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Other - Cocoa	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Other - Coffee	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

F6.10

(F6.10) Do you participate in external activities and/or initiatives to promote the implementation of your forests-related policies and commitments?

Forest risk commodity

Palm oil

Do you participate in activities/initiatives?

No

Activities

<Not Applicable>

Initiatives

<Not Applicable>

Jurisdictional approaches

<Not Applicable>

Please explain

Forest risk commodity

Cattle products

Do you participate in activities/initiatives?

No

Activities

<Not Applicable>

Initiatives

<Not Applicable>

Jurisdictional approaches

<Not Applicable>

Please explain

F6.11

(F6.11) Is your organization supporting or implementing project(s) focused on ecosystem restoration and protection?

No

F7. Verification

F7.1

(F7.1) Do you verify any forests information reported in your CDP disclosure?

No, but we are actively considering verifying in the next two years

F8. Barriers and challenges

F8.1

(F8.1) Describe the key barriers or challenges to eliminating deforestation and/or conversion of other natural ecosystems from your direct operations or from other parts of your value chain.

Forest risk commodity

Palm oil

Coverage

Direct operations
Supply chain

Primary barrier/challenge type

Supply chain complexity

Comment

We collect and recycle used cooking oil which is a blend of all cooking oils including soy oil and palm oil.

Forest risk commodity

Cattle products

Coverage

Supply chain

Primary barrier/challenge type

Supply chain complexity

Comment

Darling collects meat by-products from the production and processing of cattle for our animal-based diets and reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Darling does not own or operate the facilities that cattle is raised or processed at.

Forest risk commodity

Soy

Coverage

Direct operations
Supply chain

Primary barrier/challenge type

Supply chain complexity

Comment

We collect and recycle used cooking oil which is a blend of all cooking oils including soy oil and palm oil.

F8.2

(F8.2) Describe the main measures that would improve your organization's ability to manage its exposure to deforestation and/or conversion of other natural ecosystems.

Forest risk commodity

Palm oil

Coverage

Supply chain

Main measure

Improved data collection and quality

Comment

We collect and recycle used cooking oil which is a blend of all cooking oils including soy oil and palm oil.

Forest risk commodity

Cattle products

Coverage

Supply chain

Main measure

Increased knowledge on commodity driven deforestation and forest degradation

Comment

Darling collects meat by-products from the production and processing of cattle for our animal-based diets and reclaim valuable and essential bio-nutrients, fats, oils, proteins, meals and more that are used daily in personal, commercial, and industrial products. Darling does not own or operate the facilities that cattle is raised or processed at. Knowledge of deforestation and forest degradation could be improved so more informed decisions about the sustainable management can be made up chain.

Forest risk commodity

Soy

Coverage

Supply chain

Main measure

Improved data collection and quality

Comment

We collect and recycle used cooking oil which is a blend of all cooking oils including soy oil and palm oil.

F17 Signoff

F-FI

(F-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

F17.1

(F17.1) Provide the following information for the person that has signed off (approved) your CDP forests response.

	Job Title	Corresponding job category
Row 1	Vice President, Global Communications and Sustainability	Other, please specify (Officer of the Company)

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission
I am submitting my response	Investors	Public

Please confirm below

I have read and accept the applicable Terms