

F0. Introduction

F0.1

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

We are a global chemical and specialty materials company. We are a leading global producer of high performance engineered polymers that are used in a variety of high-value applications, as well as one of the world's largest producers of acetyl products, which are intermediate chemicals for nearly all major industries. As a recognized innovator in the chemicals industry, we engineer and manufacture a wide variety of products essential to everyday living. Our broad product portfolio serves a diverse set of end-use applications including automotive, chemical additives, construction, consumer and industrial adhesives, consumer and medical, energy storage, filtration, food and beverage, paints and coatings, paper and packaging, performance industrial and textiles. Our products enjoy leading global positions due to our differentiated business models, large global production capacity, operating efficiencies, proprietary technology and competitive cost structures. Our large and diverse global customer base primarily consists of major companies across a broad array of industries. We hold geographically balanced global positions and participate in diversified end-use applications. We combine a demonstrated track record of execution, strong performance built on differentiated business models and a clear focus on growth and value creation. Known for operational excellence, reliability and execution of our business strategies, we partner with our customers around the globe to deliver best-in-class technologies and solutions. Celanese's history began in 1918, the year that its predecessor company, The American Cellulose & Chemical Manufacturing Company, was incorporated. The current Celanese was incorporated in 2004 under the laws of the State of Delaware and is a US-based public company traded on the New York Stock Exchange under the ticker symbol CE and is part of the S&P 500. Headquartered in Irving, Texas, our operations are primarily located in North America, Europe and Asia and consist of 33 global production facilities and an additional 6 strategic affiliate production facilities. As of December 31, 2020, we employed 7,658 people worldwide.

We operate principally through three business segments: Engineered Materials, Acetate Tow and the Acetyl Chain.

Our Acetate Tow business is a supplier of acetate tow and acetate flake, used in filter products applications such as cigarette filters and bio-based alternatives for food packaging. In order to produce acetate tow, we first produce acetate flake by processing wood pulp with acetic acid and acetic anhydride. Wood pulp [based on our wood pulp policy], comes from sustainably forested trees and we award our business only to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Program for the Endorsements of Forest Certification) certifications. Acetic anhydride is an intermediate chemical that we produce from acetic acid, commonly known as vinegar, in our intermediate chemistry business. Acetate flake is then further processed into acetate tow.

For us, sustainability is not only the right path, but the smart path, as we expand our portfolio of solutions for more sustainable ways of living. In doing so, we meet growing customer demand and drive market innovation. We also attract and retain diverse talent and we optimize our operations toward low-carbon goals. Our sustainability strategy is based on three pillars: Advancing safe and sustainable customer solutions, investing in our people and communities, and preserving the environment. Our work across these pillars is driven by a 30 member-strong Environment, Social and Governance Council, chaired by our General Counsel. Over the last 18 months, all of its members have worked very hard to ensure we are targeting the issues that matter most to our stakeholders, while reporting transparently in line with international principles such as Sustainability Accounting Standards Board (SASB), The Task Force on Climate-Related Financial Disclosures (TCFD), and the United Nations Sustainable Development Goals (UNSDG).

Providing safe and sustainable solutions for our customers is an opportunity to innovate at our best. Whether it's technologies that "close the loop" on resources and waste such as our Acetate Tow-based BlueRidge™ cellulosic pellets which are an alternative to single-use plastics, or our Clarifoil film for biodegradable food packaging, engineering lightweight vehicle parts, or designing components for life-saving healthcare—across all three Celanese businesses, we're finding answers to some of the world's most complex questions. In fact, sustainable solutions represented approximately a third of our net sales in 2020, and this proportion continues to grow in 2021. With this opportunity, comes a deep sense of continued responsibility to keep people safe and the environment free from harm.

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 2020	December 31 2020

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 (including any that are sources for your processed ingredients or manufactured goods); and for each select the stages of the supply chain that 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	This commodity is not produced, sourced or used by our organization	<Not Applicable>	<Not Applicable>
Cattle products	This commodity is not produced, sourced or used by our organization	<Not Applicable>	<Not Applicable>
Soy	This commodity is not produced, sourced or used by our organization	<Not Applicable>	<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 product manufacturing

Form of commodity

Pulp

Source

Single contracted producer

Country/Area of origin

Brazil
United States of America

% of procurement spend

1-5%

Comment

We purchase wood pulp sourced in Brazil and USA, which is utilized to produce cellulose acetate in our production facility in Narrows, Virginia, USA. Celanese is proud of our long, one-hundred-year history of producing Cellulose Acetate products for commercial applications. With our history producing these products, the importance of our commitment to sustainability in this area is deeply ingrained in our culture. One way to realize our vision to "improve the world and everyday life through our people, chemistry and innovation" is to innovate for a sustainable future by exploring and committing to opportunities that have positive environmental and social impacts. We are dedicated to operating responsibly and strive to remain at the forefront of sustainable practices, including sustainable sourcing. Celanese's Cellulose Acetate products are produced using high purity wood pulp sourced from sustainably managed forests. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Program for the Endorsements of Forest Certification) certifications. Sustainable Sourcing is the integration of social, ethical and environmental performance factors into the process of selecting suppliers. Our goal is to build strong, long-term relationships with suppliers committed to corporate responsibility. When sourcing our wood pulp, we consider suppliers that: - Share our commitment to society to provide products in a responsible way that focuses on reduced resource consumption - Ensure sustainable forestry and protect biodiversity, through continuous improvement on processes of waste management and reduction of environmental impact - Responsibly source their wood and pulp from credited partners or themselves using best practices and avoiding high conservation value forests and illegal harvesting - Work on a collaborative approach sharing knowledge and providing assurances and certifications of forestry stewardship - Provide training and leadership to their employees and to third parties, e.g. contractors, for better engagement and behavioural alignment with sustainable goals - Share value of continuous learning, understanding current possible deviations and improving their own process through root cause analysis and lessons learned - Protect their forest workers in relation to health and employee safety

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	6-10%	In order to produce acetate tow, we first produce acetate flake by processing wood pulp with acetic acid and acetic anhydride. The wood pulp Celanese consumes comes from sustainably forested trees and is purchased externally, and acetic anhydride is an intermediate chemical that we produce from acetic acid in our intermediate chemistry business. Acetate flake is then further processed into acetate tow. To determine the percentage of revenue dependent on timber, it has been calculated that in 2020, our acetate tow business made up approximately 9% of our total sales revenue figure of 5655 million USD.
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>

F1.5

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

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

F1.5c

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

	Primary reason	Please explain
Timber products	Data considered confidential	Data is considered confidential.
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>

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
Supply chain

Coverage

Full

Risk assessment procedure

Assessed as part of an established enterprise risk management framework

Frequency of assessment

Annually

How far into the future are risks considered?

1 to 3 years

Tools and methods used

Internal company methods

Please explain

Effective Risk Management is critical to Celanese's ability to achieve its strategy and ESG (Environmental, Social, Governance) goals. Risk management is considered a strategic activity within the Company and responsibility for managing risk rests with executive management while the committees of the Board and the full Board participate in risk oversight. The Company holds annual risk workshops with the leadership teams of key functions to assess the current risk universe applicable to those functions. These workshops consider Celanese specific risks, external risks as well as macro trends. Once risks are identified, the leadership team assigns risk owners who develop and execute adequate remediation plans. Risk and remediation status are tracked continually throughout the year, with quarterly certifications by the executive leadership team for major risks. Historically, climate, water, and forest risks have been discussed with the Manufacturing leadership team. Recognizing the increased importance of ESG risks and related disclosures, the Company will be adding a new workshop starting in 2021 to focus specifically on ESG related risks including climate, water, and forest. Our cross-functional ESG Council will be participating in the workshop, allowing for a more in-depth discussion of ESG risks and their interdependencies.

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

Risk: Availability of Raw Materials and Finished Goods, security of Supply Chain. Security of availability and pricing of raw materials, specifically wood pulp, may lead to production limitations, higher costs and/or reduced production quality. Ensure production continuity. Securing Supply Chain of materials and covering Business continuity in case of limitations. Mitigating actions: • Identify / cultivate / qualify new suppliers • Closely monitor single source materials market • Frequent contact with carriers • Monitor logistics market and trends • Changes to specifications • Regular revision of inventory and safety stock • Utilizing warehouses • Accelerate shift to alternative suppliers • Force majeure clauses • Openness of organization for change on qualification process, mitigating security of supply potential issues and creating space for better negotiations • More capacity to eliminate single sourcing

Quality of forest risk commodities

Relevance & inclusion

Relevant, not included

Please explain

We will incorporate into the next risk management workshop.

Impact of activity on the status of ecosystems and habitats

Relevance & inclusion

Relevant, not included

Please explain

We will incorporate into the next risk management workshop.

Regulation

Relevance & inclusion

Relevant, always included

Please explain

Risk: Regulatory Compliance (including Sustainability). Non-compliance with regulations (other than ESHA) for the business and its customers may result in fines, penalties and/or other adverse consequences. Specifically, the company should monitor compliance with the policy to combat the illicit trade of tobacco. Mitigation: • Continue to supply customers with properly formatted government required data • Work on enhancing biodegradability of Tow • Work on carbon footprint reductions and other sustainability targets (water, plant, waste) • Ensure compliance with Antitrust and Competition Law requirements

Climate change

Relevance & inclusion

Not considered

Please explain

We will incorporate into the next risk management workshop.

Impact on water security

Relevance & inclusion

Relevant, always included

Please explain

Regulatory Compliance (including Sustainability). Non-compliance with regulations (other than ESHA) for the business and its customers may result in fines, penalties and/or other adverse consequences. Mitigation: • Continue to supply customers with properly formatted government required data • Work on enhancing biodegradability of Tow • In 2021 Celanese formed a water stewardship committee to guide the development of a water risk assessment process, water management guidance and to support the integration of water risk into our corporate Enterprise Risk Management process

Tariffs or price increases

Relevance & inclusion

Relevant, always included

Please explain

Utilization/ Competitive Landscape. Lower utilizations due to reduced demand as well as potential capacity increases by small industry players. Mitigation: • Continue to investigate capacity reductions to improve cost position and industry utilization rates • Continue to monitor market demand especially considering COVID driven behaviour changes • Actively work to reduce and reuse water as listed above

Loss of markets

Relevance & inclusion

Relevant, always included

Please explain

Utilization/ Competitive Landscape. Lower utilizations due to reduced demand as well as potential capacity increases by small industry players. Mitigation: • Continue to investigate capacity reductions to improve cost position and industry utilization rates • Continue to monitor market demand especially considering COVID driven behaviour changes

Leakage markets

Relevance & inclusion

Relevant, always included

Please explain

Risk: Regulatory Compliance (including Sustainability). Non-compliance with regulations (other than ESHA) for the business and its customers may result in fines, penalties and/or other adverse consequences. Specifically, the company should monitor compliance with the policy to combat the illicit trade of tobacco. Mitigation: • Continue to supply customers with properly formatted government required data • Work on enhancing biodegradability of Tow • Work on carbon footprint reductions and other sustainability targets (water, plant, waste) • Ensure compliance with Antitrust and Competition Law requirements • Regular reviews and acknowledgement of Policy on Illicit Tobacco Trade

Brand damage related to forest risk commodities

Relevance & inclusion

Relevant, always included

Please explain

Risk: Regulatory Compliance (including Sustainability). Non-compliance with regulations (other than ESHA) for the business and its customers may result in fines, penalties and/or other adverse consequences. Specifically, the company should monitor compliance with the policy to combat the illicit trade of tobacco. Mitigation: • Continue to supply customers with properly formatted government required data • Work on enhancing biodegradability of Tow • Work on carbon footprint reductions and other sustainability targets (water, plant, waste) • Ensure compliance with Antitrust and Competition Law requirements

Corruption

Relevance & inclusion

Relevant, always included

Please explain

Risk: Regulatory Compliance (including Sustainability). Non-compliance with regulations (other than ESHA) for the business and its customers may result in fines, penalties and/or other adverse consequences. Specifically, the company should monitor compliance with the policy to combat the illicit trade of tobacco. Mitigation: • Continue to supply customers with properly formatted government required data • Work on enhancing biodegradability of Tow • Work on carbon footprint reductions and other sustainability targets (water, plant, waste) • Ensure compliance with Antitrust and Competition Law requirements • Regular reviews and acknowledgement of Policy on Illicit Tobacco Trade

Social impacts

Relevance & inclusion

Relevant, always included

Please explain

Environmental Health and Safety. Environmental, health and safety regulations may lead to significant compliance cost, capital cost, violation and financial loss. Mitigation: • EH&S evaluations, PSRM process • Safety initiatives • Completed Process Safety Summit

Other, please specify

Relevance & inclusion

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

Wood pulp is purchased and consumed in our production of cellulose acetate flake, which is also further converted into other materials for sale to our customers. These other materials include cellulose acetate pellets, films, and fibers. Our customers depend on these products to produce a range of consumer goods. Since our ability to supply these cellulose acetate products relies on our ability to secure sustainable sources of high quality wood pulp, potential customer impacts are always considered in our forests-related risk assessments.

Employees

Relevance & inclusion

Relevant, always included

Please explain

We continuously engage with employees to identify risks and mitigation steps. These risks and mitigations are consolidated through our enterprise risk management process.

Investors

Relevance & inclusion

Relevant, always included

Please explain

We annually engage in investor outreach with our key investors to discuss sustainability related topics.

Local communities

Relevance & inclusion

Not considered

Please explain

Not part of the internal risk management workshop.

NGOs

Relevance & inclusion

Not considered

Please explain

Not part of the internal risk management workshop.

Other forest risk commodity users/producers at a local level

Relevance & inclusion

Not considered

Please explain

Not part of the internal risk management workshop.

Regulators

Relevance & inclusion

Not considered

Please explain

Not part of the internal risk management workshop.

Suppliers

Relevance & inclusion

Relevant, always included

Please explain

We are in contact with our suppliers on a weekly basis in scheduled meetings or on an ad-hoc basis as the need arises. We are frequently discussing certifications about forest management and chain of custody programs with our suppliers.

Other stakeholders, please specify

Relevance & inclusion

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	Yes
Palm oil	<Not Applicable>
Cattle products	<Not Applicable>
Soy	<Not Applicable>
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?

These definition/metrics relate to direct operations and other parts of our value chain. Probability/likelihood means the probability of a residual risk measured in terms of frequency with which an adverse event will occur after considering all current mitigation steps. Residual risk is the risk remaining after management's response (activities, initiatives, controls, etc.) to the risk. "High" likelihood refers to a frequent event; relatively easy to occur. The impact of an inherent risk measured in terms of dollar amount, loss of service, severity of penalty/fines, reputational damage, etc. before considering any mitigation steps. We use internally-developed financial thresholds in our ERM workshops to determine impact from a purely financial standpoint.

F3.1b

(F3.1b) For your disclosed forest risk commodity(ies), provide details of risks identified with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.

Forest risk commodity

Timber products

Type of risk

Reputational and markets

Geographical scale

Global

Where in your value chain does the risk driver occur?

Supply chain

Primary risk driver

Availability of certified sustainable material

Primary potential impact

Increased production costs

Company-specific description

Security of availability and pricing of raw materials, specifically natural gas, wood pulp, magnesium oxide and titanium dioxide, may lead to production limitations, higher costs and/or reduced production quality, which could impact production continuity.

Timeframe

1-3 years

Magnitude of potential impact

High

Likelihood

Unlikely

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact (currency)

<Not Applicable>

Potential financial impact figure - minimum (currency)

<Not Applicable>

Potential financial impact figure - maximum (currency)

<Not Applicable>

Explanation of financial

We have a value, but treat it as confidential.

Primary response to risk

Engagement with suppliers

Description of response

• Identify / cultivate / qualify new suppliers • Closely monitor single source materials market • Frequent contact with carriers • Monitor logistics market and trends • Changes to specifications • Regular revision of inventory and safety stock • Utilizing warehouses • Accelerate shift to alternative suppliers • Force majeure clauses • Openness of organization for change on qualification process, mitigating security of supply potential issues and creating space for better negotiations • More capacity to eliminate single sourcing

Cost of response

0

Explanation of cost of response

Need to evaluate cost of response.

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	<Not Applicable>
Cattle products	<Not Applicable>
Soy	<Not Applicable>
Other - Rubber	<Not Applicable>
Other - Cocoa	<Not Applicable>
Other - Coffee	<Not Applicable>

F3.2b

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

Timber products

Primary reason

Not yet evaluated

Please explain

Dissolving Wood Pulp – Sustainable Sourcing Policy Celanese is proud of our long, one-hundred-year history of producing Cellulose Acetate products for commercial applications. With our history producing these products, the importance of our commitment to sustainability in this area is deeply ingrained in our culture. One way to realize our vision to “improve the world and everyday life through our people, chemistry and innovation” is to innovate for a sustainable future by exploring and committing to opportunities that have positive environmental and social impacts. We are dedicated to operating responsibly and strive to remain at the forefront of sustainable practices, including sustainable sourcing. Celanese’s Cellulose Acetate products are produced using high purity wood pulp sourced from sustainably managed forests. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Program for the Endorsements of Forest Certification) certifications. Sustainable Sourcing is the integration of social, ethical and environmental performance factors into the process of selecting suppliers. Our goal is to build strong, long-term relationships with suppliers committed to corporate responsibility. When sourcing our wood pulp, we consider suppliers that: - Share our commitment to society to provide products in a responsible way that focuses on reduced resource consumption - Ensure sustainable forestry and protect biodiversity, through continuous improvement on processes of waste management and reduction of environmental impact - Responsibly source their wood and pulp from credited partners or themselves using best practices and avoiding high conservation value forests and illegal harvesting - Work on a collaborative approach sharing knowledge and providing assurances and certifications of forestry stewardship - Provide training and leadership to their employees and to third parties, e.g. contractors, for better engagement and behavioural alignment with sustainable goals - Share the value of continuous learning, understanding current possible deviations and improving their own process through root cause analysis and lessons learned - Protect their forest workers in relation to health and employee safety

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	Our Board of Directors oversees our sustainability strategy and performance. The Board formalized their oversight by aligning a specific committee to each of our identified priority issues.	No	As a result of this CDP Forest Questionnaire, we will be discussing internally implementing oversight of forest-related issues as well.

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
Business unit manager	Other, please specify (A wood pulp sourcing committee was created and meetings are held on a quarterly basis for all topics related to pulp, including sustainability topics. Also, each quarter Celanese meets with pulp suppliers. All functions from both parties are involved)	Quarterly	Celanese’s Cellulose Acetate products are produced using high purity wood pulp sourced from sustainably managed forests. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Program for the Endorsements of Forest Certification) certifications. Sustainable Sourcing is the integration of social, ethical and environmental performance factors into the process of selecting suppliers. When sourcing our wood pulp, we consider suppliers that: - Share our commitment to society to provide products in a responsible way that focuses on reduced resource consumption - Ensure sustainable forestry and protect biodiversity, through continuous improvement on processes of waste management and reduction of environmental impact - Responsibly source their wood and pulp from credited partners or themselves using best practices and avoiding high conservation value forests and illegal harvesting - Work on a collaborative approach sharing knowledge and providing assurances and certifications of forestry stewardship - Provide training and leadership to their employees and to third parties, e.g. contractors, for better engagement and behavioural alignment with sustainable goals - Share the value of continuous learning, understanding current possible deviations and improving their own process through root cause analysis and lessons learned - Protect their forest workers in relation to health and employee safety

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	No, and we do not plan to introduce them in the next two years	N/A

F4.4

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

No, and we have no plans to do so

F4.5

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

Yes, we have a documented forests policy that is publicly available

F4.5a

(F4.5a) Select the options to describe the scope and content of your policy.

	Scope	Content	Please explain
Row 1	Selected products only	Please select	Dissolving Wood Pulp – Sustainable Sourcing Policy Celanese is proud of our long, one-hundred-year history of producing Cellulose Acetate products for commercial applications. With our history producing these products, the importance of our commitment to sustainability in this area is deeply ingrained in our culture. One way to realize our vision to "improve the world and everyday life through our people, chemistry and innovation" is to innovate for a sustainable future by exploring and committing to opportunities that have positive environmental and social impacts. We are dedicated to operating responsibly and strive to remain at the forefront of sustainable practices, including sustainable sourcing. Celanese's Cellulose Acetate products are produced using high purity wood pulp sourced from sustainably managed forests. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Program for the Endorsements of Forest Certification) certifications. Sustainable Sourcing is the integration of social, ethical and environmental performance factors into the process of selecting suppliers. Our goal is to build strong, long-term relationships with suppliers committed to corporate responsibility. When sourcing our wood pulp, we consider suppliers that: - Share our commitment to society to provide products in a responsible way that focuses on reduced resource consumption - Ensure sustainable forestry and protect biodiversity, through continuous improvement on processes of waste management and reduction of environmental impact - Responsibly source their wood and pulp from credited partners or themselves using best practices and avoiding high conservation value forests and illegal harvesting - Work on a collaborative approach sharing knowledge and providing assurances and certifications of forestry stewardship - Provide training and leadership to their employees and to third parties, e.g. contractors, for better engagement and behavioural alignment with sustainable goals - Share the value of continuous learning, understanding current possible deviations and improving their own process through root cause analysis and lessons learned - Protect their forest workers in relation to health and employee safety

F4.5b

(F4.5b) Do you have commodity specific sustainability policy(ies)? If yes, select the options that best describe their scope and content.

	Do you have a commodity specific sustainability policy?	Scope	Content	Please explain
Timber products	Yes	Selected products only	Description of forests-related standards for procurement Other, please specify (Dissolving Wood Pulp – Sustainable Sourcing Policy)	Dissolving Wood Pulp – Sustainable Sourcing Policy
Palm oil	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Cattle products	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Soy	<Not Applicable>	<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>

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?

Yes

F4.6a

(F4.6a) Has your organization endorsed any of the following initiatives as part of its public commitment to reduce or remove deforestation and/or forest degradation?

Other, please specify (Dissolving Wood Pulp - Sustainable Sourcing Policy: Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Program for the Endorsements of Forest Certification) certifications.)

F4.6b

(F4.6b) Provide details on your public commitment(s), including the description of specific criteria, coverage, and actions.

Forest risk commodity

Timber products

Criteria

Zero gross deforestation/ no deforestation

Operational coverage

Direct operations and supply chain

% of total production/ consumption covered by commitment

100%

Cutoff date

No cutoff date

Commitment target date

No target date

Please explain

Celanese published a sustainable Dissolving Wood Pulp Sustainable Sourcing Policy in 2020 which states that "Business is only awarded to suppliers what are certified by credited partners, such as FSC, or PEFC certifications. There are no plans being considered to change this policy."

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	Yes, forests-related issues are integrated	5-10	Integrated into multi-disciplinary company-wide risk management process. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Program for the Endorsements of Forest Certification) certifications. Sustainable Sourcing is the integration of social, ethical and environmental performance factors into the process of selecting suppliers. Our goal is to build strong, long-term relationships with suppliers committed to corporate responsibility. These plans apply to all disclosed commodities.
Strategy for long-term objectives	Yes, forests-related issues are integrated	5-10	Integrated into multi-disciplinary company-wide risk management process. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Program for the Endorsements of Forest Certification) certifications. Sustainable Sourcing is the integration of social, ethical and environmental performance factors into the process of selecting suppliers. Our goal is to build strong, long-term relationships with suppliers committed to corporate responsibility. These plans apply to all disclosed commodities.
Financial planning	Yes, forests-related issues are integrated	5-10	Integrated into multi-disciplinary company-wide risk management process. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Program for the Endorsements of Forest Certification) certifications. Sustainable Sourcing is the integration of social, ethical and environmental performance factors into the process of selecting suppliers. Our goal is to build strong, long-term relationships with suppliers committed to corporate responsibility. These plans apply to all disclosed commodities.

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?

No

F6.1b

(F6.1b) Why do you not have target(s) for increasing sustainable production and/or consumption of your disclosed commodity(ies) and what are your plans to develop these in the future?

	Primary reason	Please explain
Timber products	Other, please specify (Wood Pulp Sustainable policy supports our management of third parties, that source timber products directly or indirectly)	Celanese's Cellulose Acetate products are produced using high purity wood pulp sourced from sustainably managed forests. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification) certifications. Our suppliers are responsibly sourcing.
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>

F6.2

(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	Celanese's Cellulose Acetate products are produced using high purity wood pulp sourced from sustainably managed forests. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification) certifications.	Not applicable	<Not Applicable>
Palm oil	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Cattle products	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Soy	<Not Applicable>	<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
Timber products	State or equivalent	73

F6.3

(F6.3) Have you adopted any third-party certification scheme(s) for your disclosed commodity(ies)?

	Third-party certification scheme adopted?	% of total production and/or consumption volume certified
Timber products	No, we have not adopted any third-party certification schemes for this commodity	<Not Applicable>
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>

F6.4

(F6.4) For your disclosed commodity(ies), do you have a system to control, monitor, or verify compliance with no conversion and/or no deforestation commitments?

	A system to control, monitor or verify compliance	Comment
Timber products	No	N/A
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>

F6.6

(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	Comment
Timber products	Yes, from suppliers	<Not Applicable>
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>

F6.6a

(F6.6a) For you disclosed commodity(ies), indicate how you ensure legal compliance with forest regulations and/or mandatory standards.

Timber products

Procedure to ensure legal compliance

We engage with our suppliers on a regular basis. Celanese’s Cellulose Acetate products are produced using high purity wood pulp sourced from sustainably managed forests. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification) certifications.

Country/Area of origin

Brazil

Law and/or mandatory standard(s)

Other, please specify (Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification) certifications.)

Comment

Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification) certifications.

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>	Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification) certifications.
Palm oil	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Cattle products	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Soy	<Not Applicable>	<Not Applicable>	<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>	We engage with our suppliers on a regular basis. Celanese's Cellulose Acetate products are produced using high purity wood pulp sourced from sustainably managed forests. Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification) certifications. Celanese engages in conversations with suppliers to understand their certification schemes and meanings. As a result, Celanese has a project in place to certify some of its sites.
Palm oil	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Cattle products	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Soy	<Not Applicable>	<Not Applicable>	<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>	Celanese prioritizes sustainability efforts for our large direct suppliers of wood pulp.
Palm oil	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Cattle products	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Soy	<Not Applicable>	<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>

F6.10

(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

Timber products

Do you participate in activities/initiatives?

No

Activities

<Not Applicable>

Initiatives

<Not Applicable>

Jurisdictional approaches

<Not Applicable>

Please explain

Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification) certifications.

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, we do not verify any forests-related information reported in our CDP disclosure, and there are no plans to do so

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

Timber products

Coverage

Direct operations

Primary barrier/challenge type

Limited public awareness and/or market demand

Comment

N/A

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

Timber products

Coverage

Direct operations

Main measure

Increased demand for certified products

Comment

Business is only awarded to suppliers that are certified by credited partners, such as FSC (Forest Stewardship Council) or PEFC (Programme for the Endorsement of Forest Certification) certifications.

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.

We currently have a project to pursue PEFC (Program for the Endorsements of Forest Certification) chain of custody certifications at some Celanese sites.

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 Business, Acetate Tow	Business unit manager

SF. Supply chain module

SF0.1

(SF0.1) What is your organization's annual revenue for the reporting period?

	Annual revenue
Row 1	5655000000

SF0.2

(SF0.2) Do you have an ISIN for your organization that you are willing to share with CDP?

Yes

SF0.2a

(SF0.2a) Please share your ISIN in the table below.

	ISIN country code	ISIN numeric identifier (including single check digit)
Row 1	US	1508701034

SF1.1

(SF1.1) In F6.3 you were asked "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". Can you also indicate, for each of your disclosed commodity(ies), the percentage of certified volume sold to each requesting CDP supply chain member?

No

SF1.1b

(SF1.1b) Why can you not indicate the percentage of certified volume sold to each of your requesting CDP supply chain members? Describe any future plans for adopting and communicating levels of certification to requesting members.

Requesting member

Altria Group, Inc.

Forest risk commodity

Timber products

Primary reason

We are planning to adopt certification within the next two years and we anticipate being able to provide this information by then

Please explain

We currently have a project to pursue PEFC (Program for the Endorsements of Forest Certification) chain of custody certifications at some Celanese sites.

SF2.1

(SF2.1) Please propose any mutually beneficial forests-related projects you could collaborate on with specific CDP supply chain members.

Requesting member

Altria Group, Inc.

Commodity related to the project

Timber products

Category of project

Certification

Type of project

Increase in coverage of commodity certified

Estimated timeframe for realization of benefits to customer

1-3 years

Details of project

We currently have a project to pursue PEFC (Program for the Endorsements of Forest Certification) chain of custody certifications at some Celanese sites.

Projected outcome

The project provides greater awareness at the customer/vendor level of certification schemes that support sustainable forestry practices.

Requesting member

Altria Group, Inc.

Commodity related to the project

Timber products

Category of project

Relationship sustainability assessment

Type of project

Aligning goals to feed into customers targets and ambitions

Estimated timeframe for realization of benefits to customer

Current - up to 1 year

Details of project

We enjoy a long history of collaboration with Altria across many topics and business functions. As sustainability goals become increasingly important to both parties, it is natural to expect that an early step in the process is to align on our individual goals and seek common areas of interest to work on together. Goal alignment on Timber Products commodities will allow us to understand the importance and priorities of Altria's goals with respect to forests and forests risks, and to confirm the importance and help prioritize our own goals that would feed into the downstream value chain.

Projected outcome

Regular alignment on forest risks goals will allow both parties to prioritize and optimize projects that bring the highest value.

SF2.2

(SF2.2) Have requests or initiatives by CDP supply chain members prompted your organization to take organizational-level action to reduce or remove deforestation/forest degradation from your operations or your supply chain?

No

SF3.1

(SF3.1) For your disclosed commodity(ies), do you estimate the GHG emission reductions and/or removals from land use and land use change that have occurred in your direct operations and/or supply chain?

Timber products

Estimate GHG emissions and removals from land use and land use change

No

Please explain

For this reporting period, Celanese is not able to provide GHG emissions reductions estimates based on land use and land use change. Although our suppliers of wood pulp maintain sustainability practices that fully compensate for removals, Celanese does not currently monitor nor estimate these emissions impacts.

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	Are you ready to submit the additional Supply Chain questions?
I am submitting my response	Investors Customers	Public	Yes, I will submit the Supply Chain questions now

Please confirm below

I have read and accept the applicable Terms