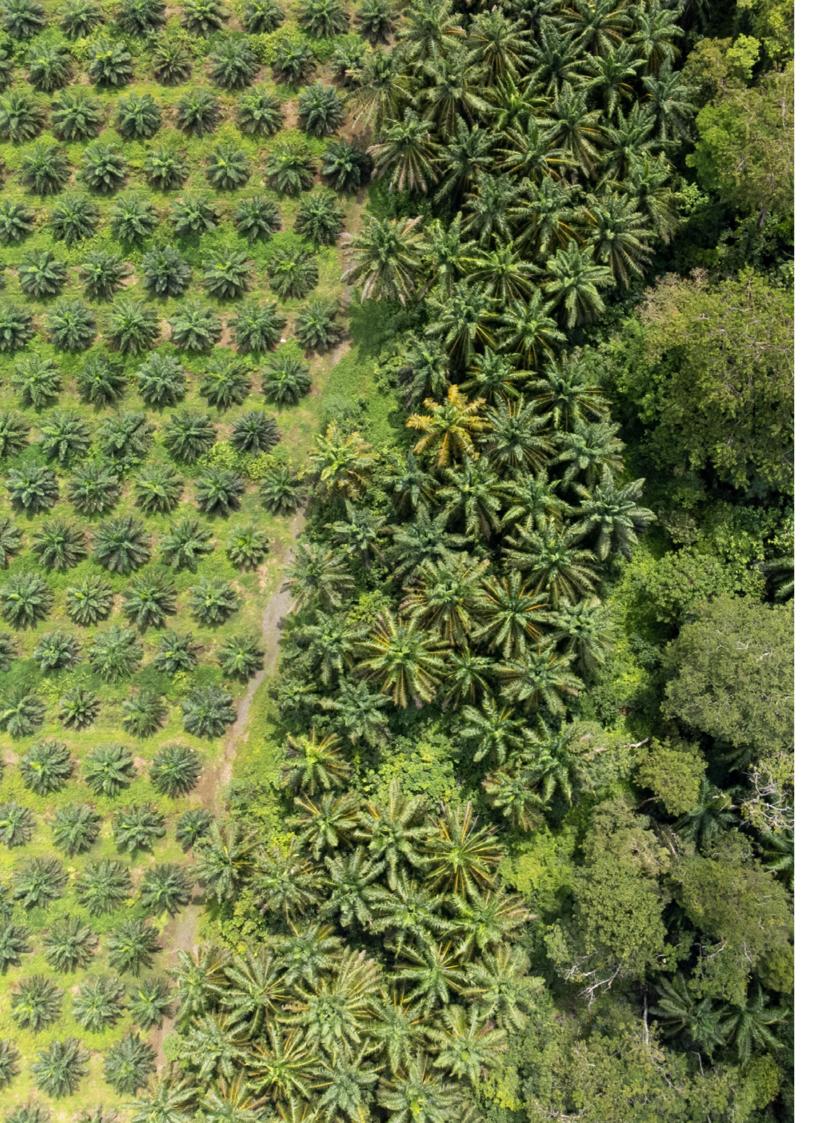


Companies profit, forests fall: everyone pays the price

Forest 500 Report 2025





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Executive summary

Geopolitics has shifted dramatically, and some big businesses are rapidly responding in kind.

"It was never a promise," said giant Brazilian meatpacker JBS of its 2040 net-zero commitment at the start of 2025. Less brazen companies are backing away more quietly from their commitments, with many US financial institutions in particular exiting global coalitions of action on climate change.

Against this backdrop, Forest 500 is expanding. Transparency and accountability are now more critical than ever for private sector action on deforestation, because if the politics has shifted, the science has not. So Forest 500, now in its 11th year, covers more of the most powerful companies in the deforestation economy, more commodities that drive deforestation and more forests that need urgent protection.

The Forest 500 2025 report identifies and assesses the 500 most influential real economy companies in the global trade of nine key forest risk commodities – beef, leather, soy, palm oil, timber, pulp and paper, cocoa, coffee and rubber. The production of these commodities is linked to over two-thirds of global deforestation. If these 500 companies took decisive action, they could drive systemic change across these high-risk commodities. Despite 11 years of assessments, only a minority of companies is taking meaningful action to address these risks. While roughly 3% lead the way with strong commitments and adequate

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Failure to protect the world's forests is putting us all at risk. implementation, 63% have partial commitments and/or weak implementation, and 34% have no commitments at all.

Failure to protect the world's forests is putting us all at risk. These risks include climate impacts (like droughts and wildfires), reduced agricultural yields and other, more immediate economic risks. There is also the threat that we reach a tipping point where major forests like the Amazon "die back", with untold consequences. Recognising this, almost every head of state in the world committed to halt and reverse deforestation by 2030 in the Glasgow Declaration on Forests. Ahead of COP30 in the Amazonian city of Belém this November, the host, Brazil, is pushing the world to find the political and financial resolve to get this vital goal back on track.

The private sector has a critical role to play in this, and Forest 500 will continue to monitor its progress and help enable both action and accountability – no matter how the political pendulum swings. Because while companies ignore growing risks in favour of short-term profits, critical opportunities to tackle deforestation and its associated human rights abuses are being missed. Every fraction of a degree of warming that can be prevented makes a difference, and every hectare of forest that can be protected reduces the number of lives lost, damage done and the cost of adaptation, while buying us more time to adapt. A swift transition to a sustainable and just economy is possible, but every lever must be pulled to accelerate action.

The laggards, leaders and late majority

Just 16 companies are leaders with both strong deforestation commitments for all the commodities they are assessed for, and evidence of adequate implementation:

- Only 22% of the 500 companies have published evidence of adequate implementation for one or more commodities, taking credible steps to monitor their impacts, engage suppliers and report progress.
- A mere 3% of the 500 companies have done so for all the commodities they source.
- And just 8% of companies report more than 50% of their commodity volumes as deforestation and conversion-free for all the commodities they are assessed on.

316 companies make up the late majority. Despite signalling some intent on deforestation, they have made only partial commitments and/or weak progress on implementation:

• 39% of companies have a commitment for at least one, but not all, of the commodities they are exposed to.

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companies are leaders with both strong deforestation commitments for all the commodities they are assessed for, and evidence of adequate implementation.

- Too many companies only make commitments for high-profile commodities, while ignoring other commodities that drive deforestation in their supply chains. Notably, just 37% of companies have a commitment for beef, the single biggest driver of global deforestation. Since Global Canopy launched the Forest 500 report in 2014, the area under cattle pasture in the Brazilian Amazon, for example, has increased to 52 million hectares in 2023 from 47 million hectares in 2014.
- Companies that are serious about ending deforestation must address the human rights abuses inside their supply chains, but only 6% of companies have comprehensive human rights policies for one or more commodities.

168 companies (34%) are laggards that hold back progress on eliminating commodity-driven deforestation, with no publicly available deforestation commitments:

- 24 of these are persistent laggards they've never made any kind of deforestation commitment after more than a decade in the Forest 500.
- Without significant progress from this group, forests will
 continue to be destroyed by companies throughout forest risk
 supply chains, despite the growing risks, undermining progress
 and disincentivising action for all companies.

Putting the spotlight on more companies, more commodities and more forests

For over a decade, the Forest 500 has identified and ranked the companies and financial institutions with the greatest influence on deforestation. The companies included are **powerbrokers** in the global trade of commodities that drive deforestation. They are assessed on the strength and implementation of their publicly available commitments on deforestation, conversion and associated human rights abuses. If these companies prioritised action, global forest risk supply chains would be transformed.

Now in its 11th year, the scope and breadth of the Forest 500 has expanded to include 150 more companies, three more commodities, and all forest types¹. Many of the additional companies are powerbrokers for the newly added commodities. The expansion reflects the urgent need for comprehensive action and aligns the Forest 500 with the regulatory scope of the EU Deforestation Regulation (EUDR). The new dataset provides more powerful data to policymakers, campaign groups, businesses and the public in order to drive action and hold to account those with the most influence.

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Companies that are serious about ending deforestation must address the human rights abuses inside their supply chains.

1 Financial institutions are still assessed.

In all previous Forest 500 reports, Global Canopy assessed the 150 financial institutions with the greatest influence over deforestation. The financial sector faces systemic risk from environmental breakdown and is in a unique position to drive change across different commodities and across different stages of supply chains. Global Canopy continues to assess the financial institutions that provide the most finance to the Forest 500 companies and key findings will be published later in 2025.

In previous years, the Forest 500 report included the 150 financial institutions with the most influence over deforestation. This year's report focuses on a larger selection of real economy companies. Data on financial institutions will be released in a later publication.

While companies profit from deforestation, everyone pays the price

Failure to protect the world's forests is putting us all at risk. 2024 was the 10th consecutive hottest year on record, with extreme temperatures fuelling wildfires, storms, deadly heatwaves, widespread flooding and prolonged droughts. Along with immeasurable impacts on lives, livelihoods and communities, there are staggering economic costs. Across the year, the US alone experienced 27 extreme weather events, with each incident incurring losses exceeding US\$1bn. Damage from the unprecedented wildfires in Los Angeles is expected to cost in excess of US\$250bn. The Amazon is coming perilously close to a tipping point which could lead to large-scale collapse, dramatically raising regional temperatures and disrupting water cycles across South America.

Protecting forests is one of the most effective ways to fight climate change and nature loss. Forests play a vital role in water and nutrient cycles, and they support some of the most biodiverse ecosystems on earth. When forests are destroyed, they release carbon, land degradation accelerates, and countless species lose their habitats. Deforestation accounts for 11% of global emissions, and almost every country in the world has agreed to work together to halt and reverse deforestation by 2030.

Continued inaction ignores the growing risk that companies face

In recent years, the prices for commodities produced, traded and sold by the Forest 500 companies have been increasingly volatile. Coffee and cocoa prices recently hit record highs following extreme weather and poor harvests across multiple regions, while soy yields in the Amazon are declining due to reduced rainfall and shortened growing seasons. Research by the UN Climate Change High-Level Champions warns that the global agricultural decline could accelerate, with agribusinesses potentially losing 26% of their value by 2030. Under a scenario of temperatures rising by just two degrees, half of global croplands would see a reduction in the number of suitable crops that can

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be grown.

These impacts will be felt by all Forest 500 companies, but the laggards and late majority continue to ignore the risks, trading their own future interests for short-term profit. As case studies throughout this report illustrate, the progress made by frontrunners in the Forest 500 demonstrates that businesses can flourish while tackling environmental and human rights abuses in forest risk supply chains.

The political backdrop has shifted, the science has not

2025 is a pivotal year for forests. In November, world leaders will gather in the Brazilian city of Belém for COP30, where attention will be on the world's forests, the critical role they play in tackling climate change and how to achieve the goals set out by the Glasgow Leaders Declaration on Forests and Land Use to halt and reverse deforestation by 2030.

Brazil has shown it can lead on ending deforestation. It has taken action to enforce regulation and protect human rights, leading to deforestation in the Amazon falling to its lowest levels since 2015. And after a year of delay, the EUDR will finally take effect at the end of 2025, with the potential to move the dial in some parts of the deforestation economy.

Elsewhere, momentum on ending deforestation is at risk. The US has withdrawn from the Paris Climate Agreement again, and other governments have pledged to cut, rather than strengthen, environmental regulations. In the EU, critical legislation on corporate reporting such as the Corporate Sustainability Reporting Directive (CSRD), Corporate Sustainability Due Diligence Directive (CSDDD) and the EU taxonomy, face proposals (the Omnibus package) which could delay implementation and weaken their scope, rigour and impact. In recent months some major companies and financial institutions have responded to political change and pressure to roll back climate and nature commitments. Despite pockets of progress, deforestation is still on the rise globally.

But the scientific and economic facts have not changed, and the clear, sustained trend in **global public opinion** is in favour of climate action. The World Economic Forum predicts that **the top four threats facing the global economy** over the next 10 years will be related to the environment – intensifying risks of food shortages, conflict and public health crises, as well as continued disruption to homes, businesses and infrastructure, and the displacement of millions. Nature and climate risk is often

Without action to curb the worst impacts of environmental change, major crises are inevitable – for the economy, the planet and people. unaccounted for in financial modelling, and many assets are either uninsured or uninsurable. Without action to curb the worst impacts of environmental change, major crises are inevitable – for the economy, the planet and people.

This collective problem needs collective action

With political uncertainty clouding the road to COP30, everyone has a role to play in ensuring its success.

- For policymakers, strong, internationally aligned regulation on due diligence processes and corporate reporting frameworks is needed to drive the fastest possible transition to a deforestation-free economy that also upholds human rights. A shift from short-termism to more strategic long-term thinking is essential, not just to eliminate deforestation, conversion and associated human rights abuses, but to achieve net-zero emissions, a viable economy, food security and a just future for citizens.
- Campaign groups and civil society need to continue to shine a light on corporate inaction and hold political leaders accountable for their responsibilities to protect people, nature and the long-term viability of their economies.
- Forest 500 companies need to use the wealth of data and well-established best practice to act on deforestation, conversion and associated human rights abuses in their supply chains, in line with the scientific realities and the global consensus on halting and reversing deforestation by 2030.
 Those that stand still or decrease their ambition will undermine their own interests and be most exposed to compliance and litigation risk when political momentum inevitably shifts again.
- » The laggards still refusing to act on deforestation face the most risk. Setting a commitment is a basic first step, but this must be swiftly followed by effective implementation, including comprehensive risk assessments and traceability mechanisms for high-risk commodities.
- » The late majority must stop hiding behind weak commitments. These companies must take action and back it up with credible strategies and action on implementation and transparent disclosure.
- » Leaders must keep working to raise the bar by advocating for legislation. Those that make progress on commitments, implementation and transparency send a strong signal that action on deforestation matters and is achievable. Regulation to level the playing field would protect the long-term

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With political uncertainty clouding the road to COP30, everyone has a role to play in ensuring its success.

interests of agribusiness and the economies that depend on it.

• Financial institutions provide trillions of dollars to the Forest 500 companies and face major risks from environmental breakdown. Their assessment and stewardship activities can have a pivotal influence on companies in their portfolios. By putting into place strong and well-integrated climate and nature transition plans – with deforestation and associated human rights central to both – they can play a crucial role in galvanising corporate action.





Forest 500 has expanded

More companies

The Forest 500 now includes a further 150 companies, many of which are powerbrokers for cocoa, coffee and rubber. Included in the Forest 500 for the first time are tyre manufacturer Bridgestone Corporation, car manufacturer Hyundai Motor Group, chocolate manufacturer Alfred Ritter GmbH & Co and FinLav SpA, which owns coffee company Lavazza.

The additional 150 companies increase the Forest 500's geographical scope:

- 3% are headquartered in Africa
- 17% in Latin America
- 16% in North America
- 27% in Europe
- 38% in Asia
- 1% in Oceania

56% of the new companies have deforestation commitments.

More commodities

Coffee, cocoa and rubber are now included in the Forest 500 methodology, in addition to palm oil, soy, beef, leather, timber, and pulp and paper. Together, these nine commodities drive nearly 60% of global deforestation.

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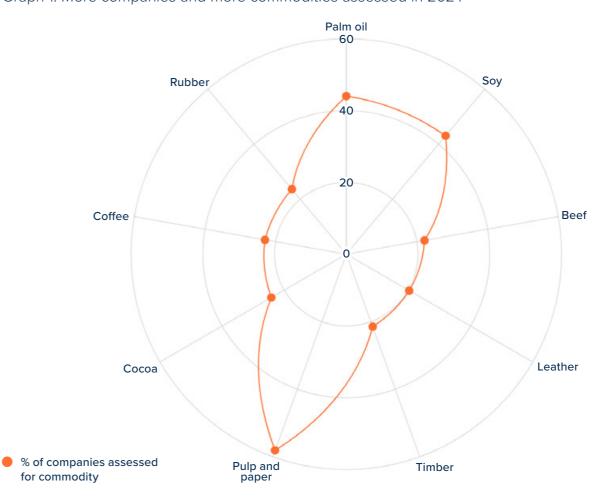
The Forest 500 now includes a further 150 companies, many of which are powerbrokers for cocoa, coffee and rubber.

The Forest 500 country selection now accounts for 5% of the world's forests.

- 50% of the 500 companies are assessed for at least one of the three additional commodities.
 - » 121 companies are assessed for their exposure to cocoa
- » 115 are assessed for their exposure to coffee
- » 118 are assessed for their exposure to rubber
- Of those assessed for the additional commodities:
 - » 50% have a deforestation commitment for cocoa
 - » 44% have a deforestation commitment for coffee
 - » 38% have a deforestation commitment for rubber

Graph 1: More companies and more commodities assessed in 2024

Note: In 2023, 350 companies were assessed in the Forest 500. In 2024, this expanded by 43% to now include an additional 150 companies. Most of the additional companies are also exposed to pulp and paper, palm oil and soy.



More forest types

The inclusion of temperate and boreal forests means the Forest 500 now covers even more major carbon sinks, critical ecosystems and areas with a high risk of associated human rights abuses.

- The Forest 500 country selection now accounts for 85% of the world's forests.
- Three of the five producer countries with the greatest deforestation risks are in non-tropical regions, including the US.

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A lack of deforestation commitments puts everyone at risk

Forest 500 companies produce, process and procure huge volumes of the commodities that drive deforestation.

These companies' voluntary commitments play a critical role in increasing ambition on ending deforestation, by promoting transparency and collective action.

But voluntary commitments alone cannot be relied upon to drive systemic change. The data from the last five years shows a trend in corporate deforestation commitments: approximately a quarter (27%) of companies have published deforestation commitments for all commodities, two-fifths have partial commitments (39%) and one-third have none (34%). These percentages have remained fairly consistent over the last five years. Without stronger public, regulatory and market pressure, most companies will continue to exploit forests for short-term profits, putting everyone at risk.

Deforestation is driving climate change, and people around the world are paying the price of extreme weather. Without action to curb emissions, environmental breakdown will destabilise economies and impose ever-greater costs on governments and societies.

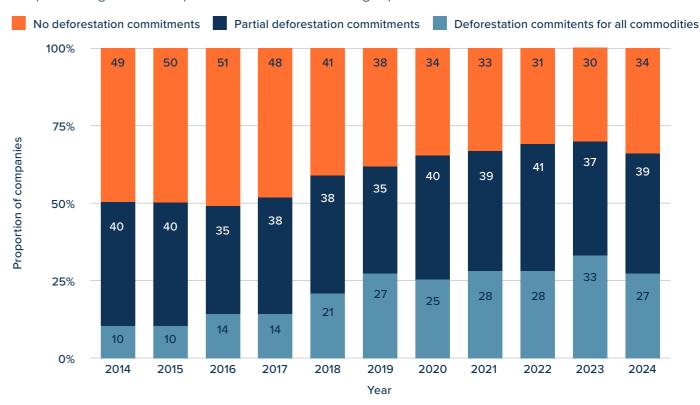
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Only 27% of companies have published commitments for all the commodities they are assessed on, compared with 33% in 2023.

Progress on corporate commitments hitting a plateau

Across a decade of reporting, Forest 500 has identified a group of companies that consistently fail to make progress on commitments, ignoring critical commodities.

Graph 2: Progress on corporate commitments hitting a plateau



- Only 27% of companies have published commitments for all the commodities they are assessed on, compared with 33% in 2023.
 - » This decline reflects the inclusion of additional commodities, and shows that companies with significant influence on global commodity supply chains are all too willing to opt for inaction if they are out of the spotlight.
- A further 39% of Forest 500 companies have partial commitments – covering one or more commodities, but not all.
 Often, they have commitments only for the commodities that come under the most public scrutiny.
- More than a third (34%) are laggards, with no publicly available deforestation commitment at all. The proportion of laggards in the Forest 500 fell between 2016 and 2023, but started to rise again in 2024.
 - » This group includes 24 companies that have never published a deforestation commitment, even though they have been powerbrokers since Forest 500 reporting began in 2014 (see Box 1).

Box 1: 24 companies have still not made a single public deforestation commitment, even after 11 years of Forest 500 assessments

Amul Emami Ltd.
Aokang Group Co. Ltd. Granol

Ashley Furniture Industries Inc.

Guangdong Wens Foodstuff Group Co., Ltd

Bata Corp Land O'Lakes Inc.
Beidahuang Group New Hope Group

Belle International Holdings Ltd.

Nice Group

Bright Food (Group) Co. Ltd. Parker-Migliorini International

China State Construction Engineering Corp. Pertamina Persero PT

Coamo Agroindustrial Coop. Pou chen

Dalian Huafeng Furniture Co. Ltd. Shanghai Construction Group

Darmex Agro WH Group
Deichmann Group X5 Group

Both the companies with no commitments and those with only partial commitments are holding back rapid change. Until all companies are made to take comprehensive action – through regulatory, investor, buyer and public pressure – these two groups will hamper progress on deforestation.

Case study: H&M

H&M has strengthened its commitments on leather, but not for other key commodities

With over 4,000 stores in more than 60 countries, **Hennes & Mauritz AB (H&M)** is one of the world's biggest fashion companies. It has high exposure to deforestation through its three powerbroker commodities – leather, pulp and paper, and rubber.

H&M published a **policy** in 2020 to source deforestation-free leather by 2025. In 2024 H&M strengthened its approach by signing the **Deforestation-Free Call to Action for Leather**, coled by Textile Exchange, the Leather Working Group and WWF. This new pledge includes a commitment to source only leather that is both deforestation and conversion-free by 2030.

- By strengthening its commitment to a requirement for "conversion-free" leather, H&M commits to protect forests and other vital ecosystems such as grasslands, wetlands and savannas from agricultural expansion.
- H&M's leather policy could be strengthened further by adding a cut-off date of 2020, marking the last date conversion can have taken place in its supply chains.

H&M is in a position to drive major change throughout its supply chains and among its peers. Although its commitment score has increased from 66% in 2023 to 93% in 2024, it must go further by committing to be conversion free for all its commodities. It has no commitment for

rubber, for which it is a powerbroker.

H&M has been linked to deforestation through its sourcing of cotton. Although cotton is not covered by the Forest 500, two of H&M's suppliers, SLC Agrícola (assessed in the Forest 500) and Grupo Horita, have been linked to 40,000 hectares of conversion in the Cerrado and 25,152 hectares in Bahia regions of Brazil respectively. While Forest 500 focuses on the nine commodities that drive the most deforestation globally, companies must conduct comprehensive risk assessments to understand where and how they are exposed to deforestation, and where they might need to act. To effectively tackle deforestation, H&M must take a comprehensive approach across its supply chains.

Partial commitments, even from leading companies, mean inaction on high-risk commodities

The commodities driving the most deforestation globally receive too little action from the companies with the power to transform forest risk supply chains.

Cattle products are the biggest driver of deforestation globally, but only 37% of companies with high exposure to beef have a commitment in place, and 30% for leather, compared with 76% for palm oil.

Among the additional commodities included in the Forest 500 for the first time, 50% of companies assessed have deforestation commitments for cocoa, followed by 44% for coffee and 38% for rubber.

Almost two in five (39%) Forest 500 companies have partial commitments, covering some, but not all, of the commodities exposing them to deforestation. While making commitments can be an effective way to prioritise efforts at the early stages of action, the evidence suggests that too many companies cherry-pick commitments to suit their own interests – either in response to public pressure or to address low-hanging fruit in their supply chains – while ignoring commodities where they have influence but there is less public scrutiny. Companies should set and implement deforestation commitments for all their commodities.

Of those with partial commitments, 51% fail to make a commitment for at least one of their powerbroker commodities, including McDonald's, Starbucks and Gap.

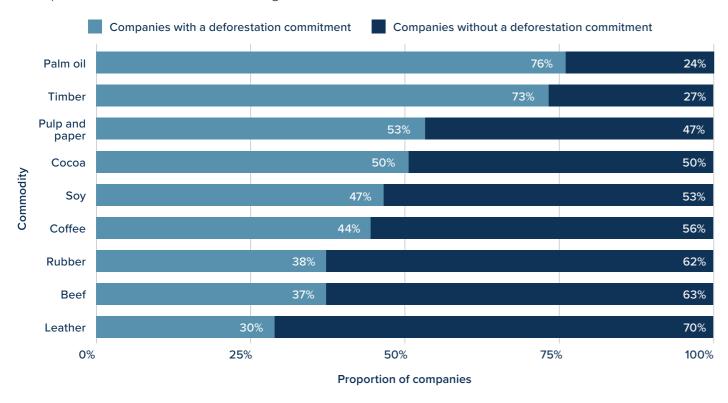
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The commodities driving the most deforestation globally receive too little action from the companies with the power to transform forest risk supply chains.

39%

of Forest 500 companies have partial commitments, covering some, but not all, of the commodities exposing them to deforestation.

Graph 3: Beef and leather are driving the most deforestation, but face least action



Case study: Hershey's

Hershey's is addressing its exposure to deforestation in its cocoa supply chain

Major American chocolate manufacturer The Hershey Company (Hershey's) faces a high risk of deforestation exposure through its cocoa supply chains, which it primarily sources from Côte d'Ivoire. Hershey's has been assessed by the Forest 500 since 2014 for palm oil, soy, and pulp and paper. This is the first year it is assessed for cocoa, for which it is a powerbroker.

Hershey's has a commitment to achieve deforestation and conversion-free supply chains for cocoa, palm oil, soy, and pulp and paper by 31 December 2025.

- The policy is strengthened by commitments to stop sourcing from land converted after specific cut-off dates for cocoa, the cut-off date is February 2018.
- Hershey's requires its suppliers to align with its deforestation policy for all the commodities they source, not just those supplied to Hershey's.
- They also have commitments in place for key human rights issues in cocoa supply chains, such as labour rights (including child labour and forced labour).

Cocoa is the **biggest driver of deforestation** in Côte d'Ivoire, and Hershey's cocoa sourcing exposes the company to reputational, operational and compliance risk. Along with strong commitments, Hershey's has made progress on implementation, and in 2024 reported that 100% of its cocoa supply chain had been certified as deforestation free. However, Forest 500 does not deem all of the certification schemes Hershey's uses as credible. Without further progress on transparent reporting and verification, Hershey's 2025 target is at risk.

Human rights issues, such as child labour, are common in cocoa supply chains in Côte D'Ivoire, and despite publicly available commitments dating back to 2015 on this issue, Hershey's has been linked to cases of alleged child labour through their sourcing of cocoa.

This collective problem needs collective action

If Forest 500 companies prioritised decisive action on deforestation, they could drive systemic change across forest risk commodity supply chains. Achieving this outcome will require the vast majority of companies to set and implement commitments to address the high-risk commodities they are exposed to. Voluntary action has not delivered: roughly a quarter have strong commitments, two-fifths have partial commitments and one-third have none at all.

There are concerning signs that some companies have removed commitments without explanation since the 2024 Forest 500 data was collected. This follows a trend, particularly in the US, of corporate rollback on environmental, social and governance initiatives. Whether companies feel compelled to remove commitments or under less pressure to uphold them, the economic reality remains unchanged: they must act collectively to mitigate the enormous risks they face.

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If Forest 500 companies prioritised decisive action on deforestation, they could drive systemic change across forest risk commodity supply chains.



Action on human rights goes hand in hand with ending deforestation

The destruction of natural ecosystems impacts Indigenous Peoples and local communities who rely on forests for their lives and livelihoods.

Deforestation is often accompanied or preceded by human rights abuses, with Indigenous Peoples frequently facing threats and violence.

Since 2012, more than 2,000 people, including Indigenous Peoples and members of local communities, have been killed defending their land or environment from destruction or illegal occupation.

For deforestation and the conversion of natural ecosystems to be effectively eliminated, companies need to identify, address and eliminate the associated human rights abuses in their supply chains. Global Canopy considers any corporate policy on deforestation that does not include human rights to be weak (see Box 2). However, even among the leaders, the connection between deforestation and human rights is frequently overlooked. 66

Deforestation is often accompanied or preceded by human rights abuses, with Indigenous Peoples frequently facing threats and violence.



Box 2: The six human rights issues assessed by the Forest 500

Addressing these human rights issues is critical for addressing deforestation.

- Customary rights to land, resources and territory
- Labour rights
- Smallholder inclusion
- Violence and threats against forest, land and human rights defenders;
- Free, Prior and Informed Consent (FPIC)
- Gender equality

The human cost of deforestation is not being addressed

Forest 500 companies are highly exposed to human rights abuse risks through the commodities they produce, process and procure. However:

- One-third of companies have not published a commitment on any of the human rights abuses associated with deforestation and ecosystem conversion. This includes 20 persistent laggards – companies without a public commitment even after 11 years in the Forest 500 (see Box 3).
- Many of the laggards on deforestation commitments also fail to address associated human rights abuses. This includes 124 companies (25%) without any publicly available commitments on deforestation or human rights (including labour rights, gender equality and violence and threats against forest, land and human rights defenders)².
- Just 6% (29) score for all the human rights indicators for one or more commodities.
- However, seven (1%) companies have made public commitments on all six human rights issues for all the highrisk commodities they're exposed to (see Box 4). Having comprehensive commitments sets companies on the path to achieve abuse-free supply chains if these are backed up with effective monitoring and implementation processes.
 - » Companies are more likely to make comprehensive human rights commitments for palm oil, cocoa and soy.
 - » None of the companies assessed for beef, leather or timber have a commitment for all human rights indicators. Cattle products, including beef and leather, are the biggest drivers of global deforestation, suggesting a link between a lack of human rights commitments and high deforestation rates.

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Forest 500 companies are highly exposed to human rights abuse risks through the commodities they produce, process and procure.

2 These 124 companies are included in the appendices.

Box 3: Persistent laggards – companies with no publicly available evidence of any of the human rights commitments since 2014

Amul Inner Mongolia Yili Industrial Group Co. Ltd.

Aokang Group Co. Ltd. New Hope Group

Beidahuang Group

Belle International Holdings Ltd.

Nice Group

NordSud Timber

Bright Food (Group) Co. Ltd. Parker-Migliorini International

Cresud S.A. Shandong Chenming Paper Holdings Co.ltd.

Dalian Huafeng Furniture Co. Ltd.

Shanghai Construction Group

Darmex Agro Toyo Suisan Kaisha Ltd.
Groupe Blattner Elwyn Yamazaki Baking Co.

Grupo Jari

Guangdong Wens Foodstuff Group Co., Ltd

Box 4: Companies that have publicly available commitments on the six human rights commitments of focus in the 2024 Forest 500 for all of their commodities

Bukit Darah PLC Permata Hijau Group

D H Brothers Industries (Pty) Ltd t/a Willowton Group

L'Oréal Groupe

SIAT Group

Suzano SA

Neste Corp.

Three human rights issues directly relate to the prevention of deforestation and conversion, because violations of these rights typically happen around the point of deforestation. These are: (1) the requirement for the FPIC of Indigenous Peoples and local communities; (2) respect for customary rights to land, resources and territory; and (3) zero tolerance for violence and threats against forest, land and human rights defenders.

But corporate commitments are comparably weak on these rights. For one or more of their commodities:

- Only 37% had a commitment to secure the FPIC of Indigenous Peoples and local communities before new land acquisitions or developments take place.
- Less than a quarter (24%) had a commitment to respect customary rights to land, resources and territory of Indigenous Peoples and local communities, a critical step in ensuring these rights are respected even when not required by law.
- Only 9% committed to adopt a zero-tolerance approach for violence and threats against forest, land and human rights defenders, leaving them at risk of being linked to, or driving,

violence at the front lines of forest risk commodity supply chains.

• By contrast, 62% of companies had a public commitment to respect labour rights.

Case study: Colgate-Palmolive

How Colgate-Palmolive addresses violence and threats against human rights defenders in its palm oil supply chain

American consumer goods company Colgate-Palmolive recognises it is exposed to human rights abuses through its sourcing of palm oil. There are **numerous reported** incidents of intimidation, harassment, torture and even killings of human rights defenders throughout global palm oil supply chains.

Colgate-Palmolive is among just 1% of Forest 500 companies to provide evidence of due diligence and limited reporting to back up its zero-tolerance commitment on violence, threats and attacks against environmental and human rights defenders.

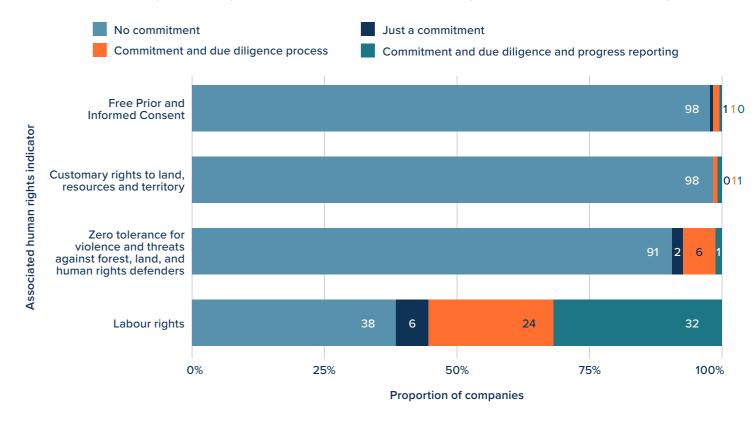
- Colgate-Palmolive monitors compliance through a third party and has a time-bound process in place to bring suppliers into compliance or risk non-renewal or termination of contracts.
- It provides training programmes for suppliers to bring them in line with its policy.
- Colgate-Palmolive reported in 2021 and 2022 on the implementation of training programmes in six participating producer companies. This could be improved by reporting on this implementation across the other eight relevant jurisdictions.
- But this reporting does not indicate the effectiveness of Colgate-Palmolive's implementation, as it does not report detailed levels of compliance and/or non-compliance in relation to its zero-tolerance policy in practice.

Despite having strong human rights policies, Colgate-Palmolive has historically sourced palm oil from producers alleged to have withheld profits and access to plantation land from local communities in Kalimantan, Indonesia. As a result of these allegations, Colgate-Palmolive has developed monitoring processes to ensure producer benefits are evenly shared. The company has not yet reported evidence that they have done so; disclosing progress on this would provide assurance that the company is acting effectively.

Some companies are implementing commitments, but most have a long way to go

Human rights commitments are meaningless without implementation. To demonstrate genuine intent and to ensure effectiveness, companies must have a due diligence process in place to monitor compliance within their operations and supply chains. They must also provide transparent reporting on the

Graph 4: Too many human rights commitments not backed up by implementation or reporting



outcomes or progress of their due diligence process.

- Of the 67% of companies with one or more publicly available commitment on human rights, 86% were backed up by evidence of implementation. This was predominantly for their labour rights commitments.
- Just 4% did so for all six human rights abuses, including Wilmar, Barry Callebaut and BMW.

Companies with human rights abuses in their supply chains face operational and reputational risks, and could fall foul of incoming legislation.

- From the end of 2025, under the EUDR, companies must assess whether imports and exports of key forest risk commodities to or across the EU market are produced in accordance with relevant legislation in their countries of origin, including human rights legislation.
- Further, by 2027, in line with the EU's CSDDD, large companies operating in the EU will have to conduct due diligence to prevent and address adverse human rights and environmental impacts in their operations and across their value chains.
 Despite proposals to weaken this law, it is likely to make companies liable for inadequate action on human rights.

Indigenous Peoples and local communities play a vital role in protecting the world's forests. Failing to respect and safeguard

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Companies must take stronger action on human rights to comply with regulation, double down on their climate and nature targets, and prevent continued harm of Indigenous Peoples, local communities and supply chain workers.

their rights and the rights of other supply chain actors not only contravenes regulation, but also leaves forests vulnerable to deforestation. Companies must take stronger action on human rights to comply with regulation, double down on their climate and nature targets, and prevent continued harm of Indigenous Peoples, local communities and supply chain workers.

Case study: Ferrero

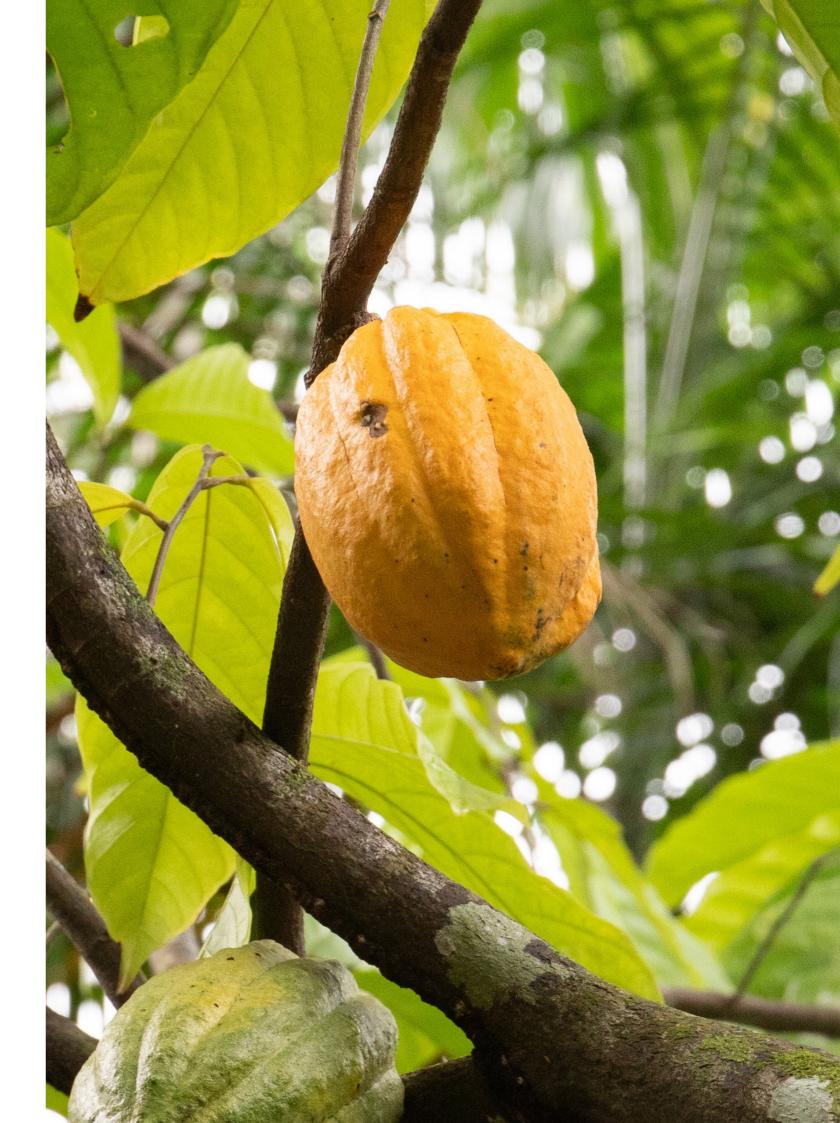
Ferrero is addressing gender discrimination linked to cocoa production

Italian confectioner **Ferrero Group** is one of the world's largest chocolate manufacturers, with over 35 brands, including Nutella and Kinder. In 2023, **Ferrero sourced 220,000 tonnes of cocoa**, much of which came from smallholder farmer groups.

Ferrero recognises that gender-based discrimination leads to significant **disadvantages for female smallholder farmers** and has a strategy involving education and finance to address the inclusion of women and promote equality across supply chains.

- Ferrero requires suppliers to train farmers in gender equality and provide female smallholder farmers with equal access to resources and information to support cocoa cultivation.
- It also provides conditional financial support to suppliers that meet requirements on gender equality, including equal pay for female farmers.
- In 2023, Ferrero reported that 1,721 "Village Savings and Loan Association" groups were
 active in its supply chains and that gender discrimination training had been mandated
 across its suppliers.

Ferrero is among the small minority of companies publicly reporting evidence of implementation for all six human rights abuses assessed by the Forest 500 for one or more commodities. But it only does this for cocoa. When it comes to soy, coffee, and pulp and paper, Ferrero has no commitments on respecting customary rights to land, resources and territory; zero tolerance for violence and threats against forest, land and human rights.





Companies must turn talk into action

Companies that make strong statements must back these up with credible action – showing evidence of implementation with comprehensive due diligence processes and transparent reporting.

Leading companies in the Forest 500 have shown that robust, credible implementation is possible and that implementation can bring reputational and operational benefits without being a significant burden. However:

- A quarter (25%) of companies with a commitment for one or more commodity provide no supporting evidence of implementation or reporting.
- Not a single company in the Forest 500 published information on all implementation and reporting indicators for all commodities.
- Just 3% have adequate implementation for all of their highrisk commodities. These include Flora Food Group, Unicharm Group and Adecoagro.

Many companies are not making the progress needed to meet their goals.

Nearly half of companies (49%), for example, have made at least

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Nearly half of companies (49%) have made at least one commitment to eliminate deforestation from their supply chains by 2025. At best, we predict only a handful will meet this deadline.

one commitment to eliminate deforestation from their supply chains by 2025. At best, we predict only a handful will meet this deadline.

Missing the UN's target to end commodity-driven deforestation by 2025 means that companies and policymakers must claw back lost time to achieve net zero and limit the worst impacts of deforestation on the climate and the economy. The good news is that the tools, data and guidance needed to address deforestation risk are becoming increasingly sophisticated, and rapid change is possible – especially when companies share data and take collective action across supply chains. Companies that fail to implement their commitments face mounting reputational and operational risks in the years ahead, especially in the event that political priorities shift and regulatory pressure intensifies to fall in line with public opinion in favour of climate action.

Box 5: What does good implementation and reporting on deforestation look like?

In the latest Forest 500 methodology, implementation and reporting accounts for 75% of a company's total score. A company cannot rely on commitments alone to achieve a positive assessment. Companies need to show they have the processes in place to assess and address the risks in their supply chain. This includes, but is not limited to:

- Conducting risk assessments to identify which areas of the supply chain are at risk
- Implementing traceability mechanisms to determine the origins of the commodities they
 procure
- Monitoring suppliers and operations for compliance to identify which suppliers are complying with deforestation and/or conversion-free standards
- Engaging non-compliant suppliers to bring them into compliance
- Accessible grievance mechanisms to enable the reporting of any grievances
- Remediation to remedy any harms related to deforestation and associated human rights abuses

Implementation must be supported by comprehensive and transparent reporting of the above. Forest 500 also looks for public reporting of key data points, such as the proportion of compliant commodities in a company supply chain, and how many hectares of deforestation have taken place in their supply chains since a specified reference date.

To address deforestation risk, companies must assess it

A risk assessment is a critical first step for companies acting on deforestation. It is often essential to secure internal buy-in to address deforestation, and in some cases precedes the making of commitments. A high-level assessment identifies the risks of

deforestation, conversion and associated human rights abuses in supply chains, including the commodities, geographies, volumes and/or ecosystems that are most at risk.

- Only 35% of companies have committed to assess and understand their exposure to deforestation for one or more commodities.
 - » But 83% of those with such a commitment publish their methodology, including JBS, JM Smucker and Yum! Brands.

Graphic 1: Forest risk commodity supply chain segments



Upstream companies

Downstream companies

Tracing forest risk commodities is possible

Forest risk supply chains are complex and opaque, with commodities often changing hands several times and crossing multiple borders. For years, companies have claimed this makes it almost impossible to assess deforestation risk. In recent decades extensive work has been done by researchers, NGOs and the private sector to make supply chains more transparent. Guidance, case studies and data tools such as **trase.earth** are freely available and leading companies have shown that sophisticated supply chain traceability is possible.

The EUDR requires any company either placing relevant goods on the market or exporting them to trace commodities back to the point of production and carry out due diligence on their supply chains to ensure they have not contributed to deforestation or been produced illegally. Non-compliance can carry a fine of 4% of a company's EU turnover.

Forest 500 assessments, in line with the Accountability

Framework initiative, evaluate companies on the strength of their traceability mechanisms, including their ability to trace their commodities to the point of production. To assess whether

a commodity is contributing to deforestation, conversion and associated human rights abuses, companies must trace the commodity back to a point where they can verify a high likelihood of compliance in line with their commitments. They then need to check they are compliant with deforestation and conversion-free standards.

- For upstream companies (producers and processors), best practice requires commodities to be traced back to the production unit – such as a farm, plantation, ranch or forest management unit.
 - » 30% of upstream companies had a mechanism in place to do this and check for compliance with deforestation and/or conversion-free standards.
- » Almost a fifth (18%) did so for all exposed commodities.
- For downstream companies (traders, manufacturers and retailers) to be aligned with best practice, they should have systems to trace the commodities back to a point where they can confirm compliance with deforestation and/or conversionfree standards, at least to the processing facility, but also back to the sourcing area or production unit.
 - » 33% of downstream companies showed evidence of a mechanism to do this for at least one commodity.
- » Only 12% did so for all exposed commodities.

Commodity traceability mechanisms must be comprehensive, tracking the full scope of a company's commodity volumes. Partially assessing commodity volumes leaves blind spots, increasing the risk of missing deforestation, conversion and human rights abuses.

- 58% of companies had no traceability mechanisms in place for any of the commodities.
 - » 31% of companies had a traceability mechanism in place for full volumes for one or more commodities.

Companies in the Forest 500 were most likely to have a traceability mechanism in place for palm oil (49%), and least likely to have one in place for coffee (14%).

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30% of upstream companies had a mechanism in place to do this and check for compliance with deforestation and/ or conversion-free standards.

Case study: Michelin

Michelin has made the most progress on implementation and reporting for rubber

Michelin Group is one of 12 tyremakers included in the Forest 500 this year as a powerbroker for rubber. The tyre industry uses 73% of the world's natural rubber and has high exposure to deforestation. As one of the world's biggest tyre producers, Michelin is committed to using 100% conversion-free natural rubber by 2030. It is the highest scoring company for rubber in the Forest 500, but only scores 65% for this commodity. While it has systems in place to assess risk, trace suppliers and monitor compliance among smallholder rubber tappers, only 9% of Michelin's rubber is reported as deforestation and conversion free.

Michelin has a number of processes in place to implement its commitments for rubber.

- Michelin has collaboratively developed a risk mapping tool that is used by 80% of its suppliers to identify environmental and social risks throughout its supply chains.
- As of 2022, 92% of its suppliers are assessed on sustainability management by an independent ratings provider.
- Michelin engages suppliers and has a corrective action plan in place to bring suppliers into compliance.
- Michelin reported volumes for the first time for 2023, revealing that just 9% of its natural rubber sourcing was deforestation and conversion free.

The big tyremakers have a huge influence over rubber supply chains, so the industry is well positioned to assess and address its links to deforestation.

- Michelin received the highest score (65%) in the Forest 500 for rubber, compared with 50% for Bridgestone and 59% for Goodyear.
 - » But none of the other 118 companies assessed for rubber showed adequate evidence for implementation.
- Michelin has shown that progress on traceability, monitoring and reporting volumes is possible, but it has a long way to go to meet its 2030 target.
 - » Michelin used **850,021 tonnes of rubber in 2022**, but over 770,000 tonnes of this has not been confirmed as deforestation and conversion free.

More information on Michelin's approach is available on the Forest 500 website.

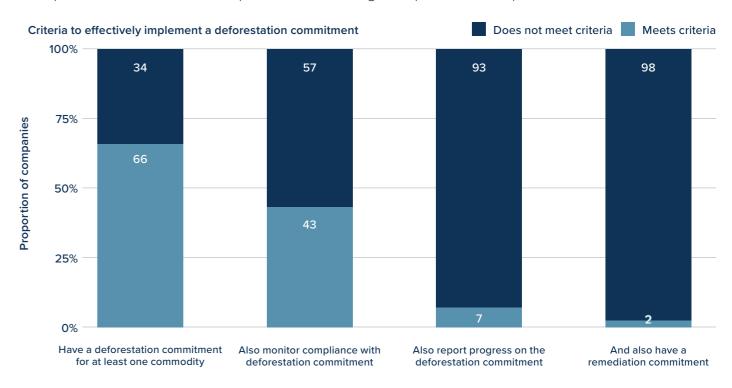
Robust monitoring is essential to verify compliance

Companies must conduct ongoing monitoring to verify compliance with their deforestation commitments and/or deforestation and conversion-free standards. For upstream companies, this means overseeing their operations, while downstream companies must monitor their suppliers.

Across the 500 companies, fewer than half (44%) have a process

in place to monitor their supply chains to ensure they do not drive deforestation and/or conversion for at least one commodity. Only 13% had a process in place for all the commodities to which they are exposed.

Graph 5: Just a handful of companies are following best practice on implementation



Upstream companies (producers and processors)

Nearly half (47%) had a monitoring process in place for all of their commodities covered by a deforestation commitment, with a further 9% having a process in place for one but not all of their commodities.

Just 13% of companies with a deforestation commitment reported which of their operations were non-compliant for all commodities covered by a deforestation and/or conversion-free commitment, and a further 5% did so for at least one but not all of their commodities.

Downstream companies (traders, manufacturers and retailers)

Nearly half (45%) of those with commitments also monitored for compliance for all of those commodities, and an additional 17% did so for at least one commodity.

Only 12% reported which suppliers were engaged or excluded for at least one of their commodities, and a further 11% did so for all of their commodities covered by a commitment. 66

Just a handful of companies are following best practice on implementation.

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Case study: Nestlé

Nestlé conducts on-the-ground monitoring of smallholder coffee suppliers for compliance with its deforestation commitment

Nestlé S.A., the world's largest coffee company and owner of brands like Nescafé and Nespresso, received the highest score in the Forest 500 for coffee. Its position shows that it is possible to monitor suppliers on a massive scale.

Nestlé is committed to achieving and maintaining 100% conversion-free sourcing of coffee by 2025.

- In collaboration with the Rainforest Alliance, Nestlé developed a **standardised monitoring** and evaluation toolkit to monitor its smallholder suppliers.
- If non-compliance is detected, suppliers are suspended until a time-bound action plan for coming into compliance is agreed. Suppliers are permanently excluded from the supply chain if non-compliance continues.
- Nestlé does not publicly report the number of non-compliant suppliers that have been engaged.

Nestlé reports that 93% of its coffee supply chain is deforestation free. The company has taken significant steps to implement its policy on a large scale, but the remaining 7% represents a blind spot for the world's biggest food company, equivalent to over 59,000 tonnes of coffee. Nestlé must extend its monitoring to achieve its 2025 commitment.

Engaging suppliers can bring about meaningful change

Companies that identify non-compliance in their supply chains might be tempted to immediately withdraw from high-risk regions or exclude high-risk suppliers. However, they can drive more meaningful change and reduce operational risks by engaging their suppliers and working with them to bring them into compliance, such as through technical or financial support. Best practice involves using a time-bound threat of exclusion from the supply chain for non-compliant suppliers, or pausing trading until compliance has been achieved.

 30% of downstream companies evidenced an engagement approach for all the commodities for which they had a deforestation commitment, and a further 11% did so for at least one but not all of their commodities. 66

30% of downstream companies evidenced an engagement approach for all the commodities for which they had a deforestation commitment.

Strong policies on deforestation must include a commitment for remediation

Companies that violate or do not meet their commitments should provide or cooperate in the remediation of such harms in alignment with best practice. Compensating for harm can take many forms, such as restoration of deforested areas, payment and remedying the harms caused by human rights abuses.

Commitments to remediate harms strengthen accountability, particularly when tied to a cut-off date. This requires companies to remediate any social or environmental harms that have taken place since the set date, ideally 2020. For example, a company that sources from a deforested area should work with other market participants, including the producer, to remediate any forest cleared after the cut-off date.

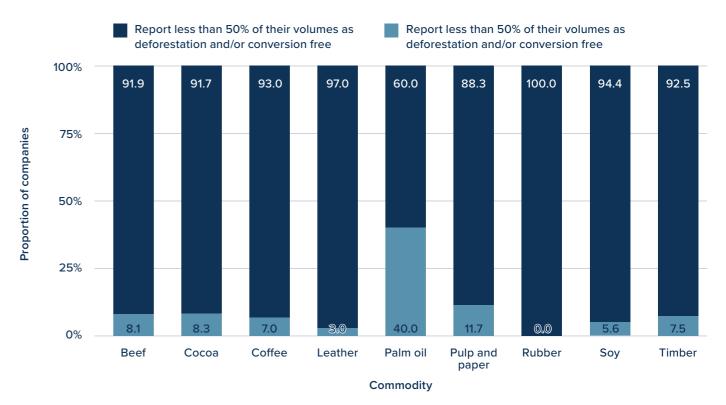
Nearly two-fifths (37%) of the 500 companies committed to remediating either deforestation, conversion or human rights abuses for one or more commodities, the majority of which (83%) had a commitment to do so for all high-risk commodities.

- 34% had a commitment specifically on remediating any harms linked to associated human rights abuses.
- These figures are relatively low, but a promising sign that those committed to remediation are following best practice and covering all commodities.
- Any strong regulation on deforestation, conversion and associated human rights abuses should include a requirement for remediation.

37%

of the 500 companies committed to remediating either deforestation, conversion or human rights abuses for one or more commodities.

Graph 6: Only a handful of companies reported more than half of their commodity volumes as deforestation and/or conversion free



Transparent reporting is a game changer

Transparent reporting increases accountability, encourages collective action and makes it easier for companies to assess and address their exposure to deforestation risk. But corporate reluctance to disclose data is slowing progress and leaving critical blind spots in the fight against deforestation.

One of the most impactful pieces of information companies can disclose is the volumes of commodities they use and the proportion that meets deforestation and conversion-free standards, and where these volumes come from. Greater disclosure of this data would reveal which companies have the greatest exposure to each forest risk commodity, and would provide a critical metric for tracking the progress companies are making towards their commitments, in clear quantitative terms. This can be further strengthened through the verification of this reporting, including through third parties. Crucially, it would provide companies across the supply chain, and the lenders that finance them, with the essential data needed to address deforestation within their value chains. Yet far too many companies are unwilling or unable to publish this information.

- In 2024, only 43% of companies publicly reported the total volumes of forest risk commodities they use for one or more commodities.
 - » Just 11% did so for all forest risk commodities they are exposed to. This shows either a lack of knowledge of their exposure, or an unwillingness to disclose this information.
- Only 8% of companies report more than 50% of their commodity volumes as deforestation and conversion-free for all the commodities they are assessed on.
 - » Again, reporting varies between commodities 40% of companies report at least half of their palm oil as deforestation and/or conversion-free, compared with just 3% of companies doing so for leather.
- Verification was low across the board, with only 19% of companies verifying over 50% of their commodity volumes as free from deforestation and/or conversion for one or more commodities.

Too much data is behind closed doors – a transition to a deforestation-free economy requires transparency

Transparent reporting of exposure to and action on deforestation,

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Corporate reluctance to disclose data is slowing progress and leaving critical blind spots in the fight against deforestation.

conversion and associated human rights abuses can accelerate change, whether mandated by regulation or done voluntarily.

Voluntary reporting, especially from leading companies, can raise the bar for all companies. It puts pressure on corporate peers to report on their progress and shows legislators that comprehensive supply chain transparency is achievable. Crucially, transparency can amplify change across all of the major supply chains represented in the Forest 500, enabling companies to learn from one another, share data, and make quicker progress towards deforestation and conversion-free supply chains.

Case study: Suzano

Suzano reports adherence to its 100% deforestation-free commitment

Forestry company Suzano SA is the highest ranked company in the Forest 500 for the second year running. The Brazil-based producer reports 100% of its pulp and paper as verified deforestation and conversion-free, most of which is sourced from eucalyptus plantations in the Atlantic Forest, Cerrado and Amazon biomes of Brazil.

- Suzano manages 2.1 million hectares of land, 40% of which is set aside as conservation areas for native vegetation.
- It claims to have only "established plantations in areas previously" converted to other
 uses, where conversion has not occurred under its direct control or after a cut-off date of
 2020.
- In its commitment, Suzano requires that pulp it sources from external suppliers adheres to the same standards.

Suzano backs up its commitments on deforestation with strong implementation and reporting processes, but improvement is still needed

- Suzano's direct operations are internally audited in alignment with third-party standards, namely FSC and PEFC.
- It has a due diligence and monitoring process in place to ensure third-party compliance, including auditing suppliers and geospatial monitoring.
- Audits of Suzano and its suppliers are carried out annually by an independent certifying body to confirm compliance with standards and legal requirements.

Suzano has achieved 100% certified conversion-free sourcing of pulp and paper and has effective implementation strategies to uphold its policy. However, Suzano-owned plantations have been linked to negative impacts on neighbouring ecosystems and communities, including from excessive water consumption and pesticide pollution. Though indirectly, these actions can also drive forest and ecosystem loss, and harm Indigenous Peoples and local communities – including Quilombola communities in Brazil. Suzano has committed to address some of these issues, including a commitment to improve water availability in 44 critical river basins by 2030. However, as of last year, the company reported achieving this in only 9% of these basins.

Commodity stocktake

		Palm	Soy	Beef	Leather	Timber	Pulp & paper	Cocoa	Coffee	Rubber
Percentage of companies with publicly available evidence of:	Deforestation-free commitment	76%	47%	37%	30%	73%	53%	50%	44%	38%
	Conversion-free commitment	24%	23%	17%	13%	19%	15%	16%	13%	11%
	Labour rights commitment	79%	69%	67%	69%	69%	73%	79%	72%	81%
	FPIC commitment	55%	31%	26%	21%	36%	33%	36%	37%	45%
	Customary rights for land, resources and territory commitment	31%	16%	8%	7%	19%	18%	20%	17%	32%
	Zero tolerance for violence and threats against forest, land and human rights defenders commitment	18%	11%	10%	8%	6%	9%	14%	11%	8%
	Traceability mechanism	49%	23%	30%	29%	33%	20%	26%	14%	23%
	Monitoring process for own operations and/or suppliers	53%	28%	24%	21%	49%	31%	31%	19%	23%
	Report >50% of their commodity volume as deforestation and/or conversion free	41%	6%	8%	3%	7%	12%	8%	7%	0%
	Report hectares of deforestation in operation/supply chain	16%	2%	1%	1%	4%	4%	2%	0%	3%
	Report progress towards at least one human rights commitment	51%	40%	35%	38%	46%	42%	48%	41%	55%



Recommendations

Deforestation is a solvable crisis

After 11 years of assessments and rankings, the Forest 500 companies remain a long way off the goal of ending deforestation. The global economic system is operating outside of planetary boundaries for climate and nature.

However, compared with a decade ago, the tools, data and guidance available to tackle deforestation have become far more sophisticated. Leading companies have shown that it is possible to assess risks, trace supply chains and take concrete steps towards eliminating deforestation. Their efforts have also shown that ambitious regulation can be implemented by companies.

Regulation is a critical lever for change

Strong regulation is needed to drive the fastest possible transition to a deforestation-free economy. Policymakers must shift from short-termism to strategic long-term thinking, not just to eliminate deforestation, conversion and associated human rights abuses, but to achieve net-zero emissions, a viable economy and a just future for citizens. It is vital that existing regulations are not watered down.

COP30 is a critical opportunity for producer, trader and demandside governments to take collective action on deforestation, and to build on the foundations laid by the Glasgow Leaders' Declaration on Forests and Land Use and the COP29 text which made clear that deforestation must end. 66

Strong regulation is needed to drive the fastest possible transition to a deforestation-free economy.



Forest risk supply chains must be legislated widely across jurisdictions, covering all companies and financial institutions, regardless of their size or position in the value chain, including all forests and high-risk commodities. Policymakers should build on existing frameworks for legislation, such as the EUDR, but regulation can go further – ensuring broader corporate accountability, closing loopholes, integrating human rights protections and requiring full transparency at every level.

International alignment on regulation and its requirements creates market norms and standardises reporting requirements. This then provides consistency and stability for companies (both buyers and suppliers) to operate within. Corporate leaders have a key role to play in advocating for legislation which would level the playing field and protect the investments they have made to date.

The best way to marry effective environmental protection and long-term business and investment stability is to follow established best practice. Opportunistic political efforts to weaken regulation, standards and reporting frameworks should be resisted.



Corporate leaders have a key role to play in advocating for legislation which would level the playing field and protect the investments they have made to date.

What does good regulation look like?

Deforestation and conversion – Deforestation regulation should focus on all forests and high-risk commodities – beef, leather, palm oil, soy, timber, pulp and paper, cocoa, coffee and rubber. For net-zero emissions and the goals of the Global Biodiversity Framework to be achieved, regulation should cover the conversion of natural ecosystems. All kinds of deforestation and ecosystem conversion should be covered, regardless of legality.

Human rights – There is no way to tackle deforestation without addressing the associated human rights abuses that often accompany or precede it. This includes the FPIC of Indigenous Peoples and local communities, customary rights to land resources and territory, labour rights, and requiring a zero-tolerance approach for violence and threats against forest, land and human rights defenders.

- Companies have shown that they are all too willing to not address their exposure to associated human rights abuse risks and impacts. These rights must be a core part of their action on deforestation and ecosystem conversion.
- Policymakers are in a unique position to mandate such change.

Smallholder farmers – Smallholder farmers should not be an afterthought in regulation. Companies can quickly simplify their supply chains by ceasing to source from smallholders, but this creates a chain of negative impacts in producer jurisdictions. From loss of income and knock-on social impacts to ecosystem damage, the impacts can be wide reaching.

• Policymakers should ensure the livelihoods of smallholder farmers are maintained, and that smallholder farmers are included in the transition to sustainable forest risk commodity supply chains.

Regulation can require companies to ensure existing smallholder suppliers remain engaged in supply chains, unless they are persistently non-compliant. Companies should be required to take active steps to work with smallholder farmers to increase the sustainability of their operations in line with regulatory requirements.

Comprehensive due diligence requirements – Deforestation and conversion of natural ecosystems cannot be addressed if companies do not know where, or at what scale, it is happening. Companies must be required to have comprehensive due diligence processes in place to trace and monitor commodities through their supply chains – and crucially, to reduce their exposure to risk.

- Upstream and downstream companies should require the traceability of commodities back to the production unit, or to a point where compliance with deforestation and conversionfree standards can be guaranteed.
- Monitoring of suppliers and/or sourcing operations for compliance should be required annually, with comprehensive processes in place to manage any non-compliance identified.
 - » Companies should be required to cease supplier relationships if best practice monitoring and engagement processes have been unsuccessful in achieving compliance.

Transparent disclosure – Regulation should not only require evidence of compliance with regulation to be reported internally or through closed reporting frameworks or mechanisms, but should mandate transparent and public reporting of exposure, mitigation processes and progress.

- Doing so will multiply the impact of such regulation, enabling rapid change, through
 fostering collective action and knowledge-sharing, and across geographies enabling
 companies elsewhere to access and make use of information and the learnings of other
 companies worldwide.
- Key reporting requirements should include:
- » The proportion of commodity volumes that is traceable to a specific point in the supply chain where compliance can be verified
- » How many suppliers or production regions have been monitored and identified as non-compliant
- » The proportion of commodity volumes that is deforestation and/or conversion free
- » Whether effective processes are in place to implement commitments on human rights
- » How many hectares of deforestation have occurred in the supply chain since a specific reference date even if that is none.

Strong liability – Regulation should remove any financial incentive to deforest. Companies must face consequences for non-compliance and these must be strictly enforced. This can include fines and reputational risk.

Business failure on deforestation is putting the global economy at risk

While the political environment has become unpredictable, the economics of climate and nature targets remain sound. Continued inaction will only create more risk, damage and cost in the longer term. All companies exposed to deforestation need to step up and embed action into their strategies.

The laggards need to get started now. Assessing exposure to deforestation, conversion and human rights abuse risks and impacts is the first step to making a public commitment to eliminate these impacts from forest risk commodity supply chains as soon as possible - with a 2020 cut-off date. Early engagement with suppliers can drive quicker progress.

The late majority needs to move beyond commitments, and publish evidence of processes to implement them. This should include processes to remediate harms that take place after a 2020 cut-off date and carrying out comprehensive risk assessments to understand exposure to deforestation risk for all commodities. Reporting progress made (in terms of the proportion of commodity volumes that is deforestation and/or conversion free or how many hectares of deforestation have occurred since a specific reference date) can raise the bar for others, even if this is starting with the highest-risk commodities.

Leaders need to remain leaders, actively advocating to policymakers and other companies on what is doable, and championing the ambitious regulation that can make progress easier. These companies should leverage their influence in the supply chain and continue to engage suppliers to bring them into compliance with deforestation, conversion and associated human rights abuse free standards. Ensure smallholders remain included in supply chains and provide support for this transition as with any other supplier.

Recommendations for companies

Laggards

- Get started now recognise the mounting risks facing the organisation and the planet, and take action.
- Assess exposure to deforestation, ecosystem conversion and associated human rights abuse risks and impacts in the supply chain for both beef and leather. Publish the outcomes of these risk assessments.

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While the political environment has become unpredictable, the economics of climate and nature targets remain sound.

- Set and publish a comprehensive deforestation commitment that covers all high-risk commodities to which they are exposed. It should include an ambitious target date of as soon as possible to eliminate deforestation, ecosystem conversion and associated human rights abuses.
- Start engaging with suppliers no matter how small and work with them to bring them into compliance with deforestation and conversion-free standards.

Late majority

- Conduct comprehensive risk assessments to identify the extent of exposure to high-risk commodities, to ensure action is prioritised on those that are highest risk in their supply chains
- Implement and publish processes to make progress towards their commitments – including on human rights – and set strong commitments to remediate for any harms that take place after the cut-off date. These should include ways to monitor progress, such as comprehensive traceability mechanisms and compliance monitoring approaches.
- Publicly report on progress towards commitments in line with best practice, beginning with the highest risk commodities including information such as:
 - » the proportion of commodity volumes that is traceable to a specific point in the supply chain where compliance can be verified
- » how many suppliers/production regions have been monitored and identified as non-compliant
- » the proportion of commodity volumes that is deforestation and/or conversion free
- » whether effective processes are in place to implement commitments on human rights
- » how many hectares of deforestation have occurred in the supply chain since a specific reference date – even if that is none.
- Collaborate with other companies to share knowledge on how to make effective progress towards supply chains that are free from deforestation, ecosystem conversion and associated human rights abuses.

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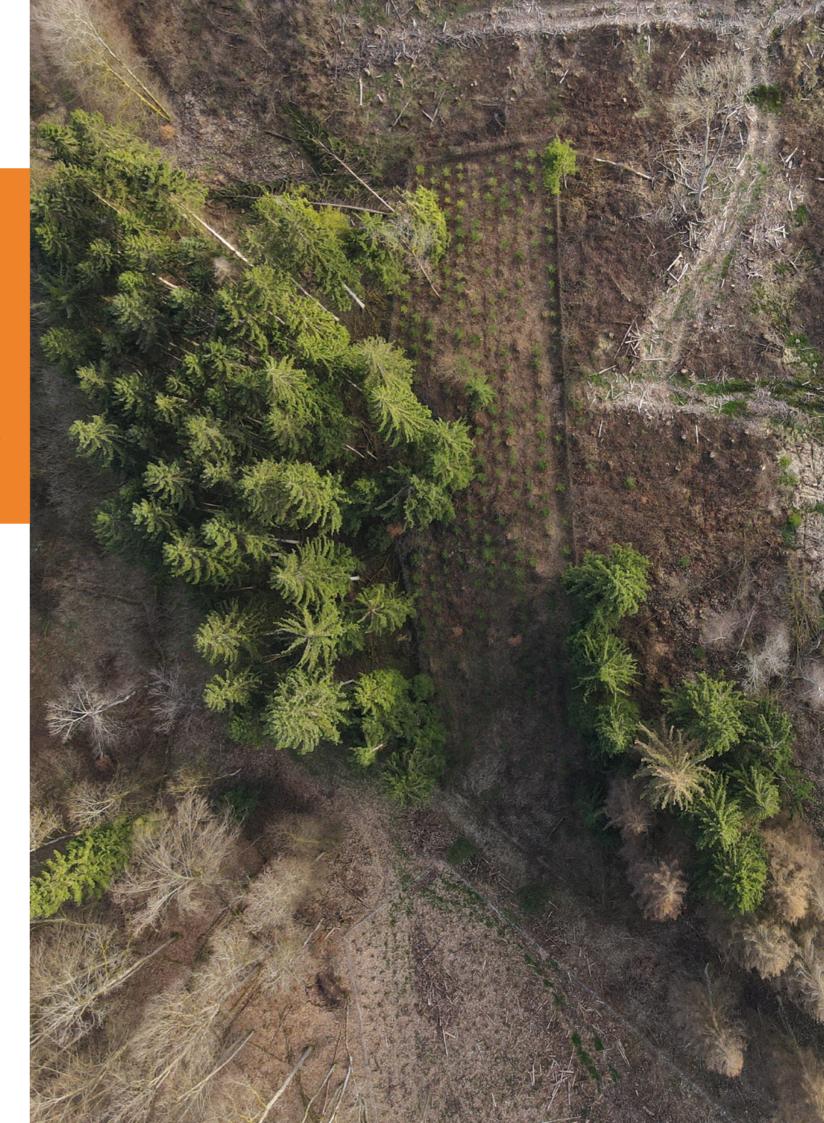
Collaborate with other companies to share knowledge on how to make effective progress towards supply chains that are free from deforestation, ecosystem conversion and associated human rights abuses.

Leaders

- Remain a leader show policymakers and other companies what is doable, and be clear about what regulation can help make continued progress easier and quicker.
- Continue engaging suppliers to bring them into compliance with deforestation and conversion-free standards.
- Use leverage through the supply chain to encourage action from suppliers, ensuring commodity volumes are not contributing to deforestation, ecosystem conversion or associated human rights abuses, but also that suppliers are not contributing to these impacts in any other supply chains.
- Publicly report on progress towards commitments in line with best practice, including:
 - » the proportion of commodity volumes that is traceable to a specific point in the supply chain where compliance can be verified
 - » how many suppliers/production regions have been monitored and identified as non-compliant
 - » the proportion of commodity volumes that is deforestation and/ or conversion free
- » whether effective processes are in place to implement commitments on human rights
- » how many hectares of deforestation have occurred in the supply chain since a specific reference date – even if that is none
- Smallholders should continue to be actively included in supply chains, and brought into compliance with deforestation and conversion standards like any other supplier. This may involve additional support and engagement.

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Smallholders should continue to be actively included in supply chains, and brought into compliance with deforestation and conversion standards like any other supplier.



Appendices

124 companies without any publicly available commitments on deforestation and associated human rights abuses

ALGRAFIYAPRESS, UP

Ashley Furniture Industries Inc.

BF Logistics

Cafenorte Agricola Ltda

Camera Agroalimentos S.A.

CHS Inc.

Cutrale Trading Brasil Ltda.

Directa Line

Engelhart

EURO AMERICA

Exportadora de Café Guaxupé Ltda

Gardingo Trade Importacao e Exportacao Ltda

Grupo Bom Retiro

Grupo Jari

Terra Forte Exportação e Importação de Cafe

Limitada

Vera Cruz Agro Pecuaria Ltda

Crowne Group, LLC

Frigol S.A Bata Corp

Groupe Blattner Elwyn

Dutch Bros. Inc

Ever Alliance International Ltd

A LA ORDEN

ABC-Mart, INC.

AFA (Agric. Federados Args.)

Africa Sourcing (formerly Armajaro Negoce)

Alamir Group

Allanasons Pvt Ltd.

Almaz Seyoum Beyene

Altınmarka Group

Alto Parana Sociedad Anonima X

Amul

Anhui Bolian Fiber Co., Ltd.

Aokang Group Co. Ltd.

Beidahuang Group

Belle International Holdings Ltd.

Best Group

Bhartiya International Ltd

Bright Food (Group) Co. Ltd.

CATTER MEAT SA

Cencoprod Ltda

Cheng Shin Rubber Industry Co Ltd

Chengshan Group Co.,Ltd.

China State Construction Engineering Corp.

Cocoa Marketing Company

Cocoa Processing Company Limited

Compañía Bernal S.A

COOP FREIGHT LOGISTICS LTD

Corpovex - Corporación Venezolana De Com.

Exterior

Dalian Huafeng Furniture Co. Ltd.

Daodaoquan Grain and Oil Co., Ltd.

Darmex Agro

Donto

Evershining Ingredient

FAW Group

Feihe International Inc.

FKS Group

Gold Coast Cocoa Company

Granja Tres Arroyos S.A.

Gravetal Bolivia

Grupo Nutresa

GRUPO PILAR S A

Grupo Sabira

Guangdong Agribusiness Group Corporation

Guangdong Wens Foodstuff Group Co., Ltd

Guangzhou Highest Industrial Co. Ltd.

Guangzhou Liby Enterprise Group Co Ltd

Guilin Liyuan

HAGL Group

Haid Group

Haoyue Group

Harlan Bakeries, LLC

Hebei Yangyuan Zhihui Beverage Co Ltd

Henan Shuanghui

Industrias Frigorificos Recreo SAIC

Kampala Domestic Store Ltd

Kido Group Corporation

KTS Group

Lord Indonesia

Luckin Coffee

Luna Plc

Makin Group

MAR.VI SPED SRL

Mercúrio Alimentos S/A

Mizkan Holdings

Nehe Shenglei Soybean Plantation Farmer

Specialty Cooperative

New Hope Group

Nice Group

Niche Cocoa Industry Limited

NIPPI, INCORPORATED

Offal Exp S.A.

OPTIMIZE INTEGRATION GROUP INC

Parker-Migliorini International

Patanjali Ayurved

Poonphol Group

PT. Tor Ganda

Rioverde 000

RUBBERFLEX SDN.BHD.

S 3 C

Sadesa

SAIC Motor

Indomobil

Sanguan Food Co Ltd

São Miguel

Shanghai Construction Group

Shuangbaotai Group (Twins Group)

Sinograin

Sodrugestvo Group S.A

Suguna Foods

Tangrenshen Group (TRS)

Ting Hsin International Group

Tong Hong Tannery

Total Enterprise Limited

Unifood Industrial Group

WH Group

Vicwood Group

Xiangfen County Sanxiao Wood Industry Co.,

Ltd.

Xiayi County Dongsheng Breeding Specialty

Cooperative

Xingye Leather Technology Co., Ltd.

YABITO S.A.

Yomiuri Group, The

Yunnan Natural Rubber Industry Group Co., Ltd.

Zhejiang Tongtianxing Group Joint-Stock Co Ltd

Zhongce Rubber Group Co Ltd

Company total scores

Complete assessments for each company are available on the Forest 500 website. Click here to see company rankings, including a screening tool to search by commodity exposure, geographic location, industry sector and supply chain segment. Companies are listed by their full names.

Company	Score	Company	Score	
A LA ORDEN	0%	ANJ Group	49%	
AAK AB	51 %	Anta (China) Co Ltd	17 %	
ABC-Mart,INC.	2%	Aokang Group Co. Ltd.	0%	
Aceitera General Deheza SA	2%	APAR Holdings (Alfa Group)	63%	
ACOMO N.V.	14%	Archer Daniels Midland Co.	48%	
Adani Group	22%	Arcor SAIC	10%	
Adecoagro S.A.	21%	Arla Foods Amba	38%	
Adidas Group	26%	Arre Beef S.A.	5%	
Adient	20%	Ashley Furniture Industries Inc.	1%	
Aditya Birla Group	24%	Asics Corp.	15%	
AEON Co. Ltd.	11%	Associated British Foods Plc	21%	
AFA (Agric. Federados Args.)	0%	Association Familiale Mulliez (AFM)	24%	
Africa Sourcing (formerly Armajaro Negoce)	0%	Ba Ria Vung Tau Rubber Joint Stock Company	11%	
Agrifirm	18%	Bader GmbH & Co. KG	16%	
Ahold Delhaize	46%	Bando Chemical Industries, Ltd.	12%	
Ajinomoto Co Inc	42%	Barry Callebaut AG	56%	
Alamir Group	0%	BASF SE	52 %	
Aldi group (North)	36%	Bata Corp	0%	
Alfred Ritter GmbH & Co. KG	24%	Beidahuang Group	0%	
ALGRAFIYAPRESS, UP	0%	Belle International Holdings Ltd.	0%	
Alicorp	14%	Bertelsmann SE & Co. KGaA	16%	
Allanasons Pvt Ltd.	1%	Best Group	0%	
Almaz Seyoum Beyene	0%	Bestseller A/S	14%	
Altınmarka Group	0%	BF Logistics	0%	
Alto Parana Sociedad Anonima X	0%	Bhartiya International Ltd	0%	
Amaggi	62 %	Bio-Pappel	14%	
Amazon.com	21%	BioMar	23%	
Ameropa Ltd.	4%	Blondeau Group	5%	
Amul	0%	BMW	44%	
Angelini Group	22%	Bom Futuro Agricola Ltda	7 %	
Anhui Bolian Fiber Co., Ltd.	0%	BOMBAY BURMAH TRADING CORPORATION	6%	

Company	Score	Company		
Boparan Holdings	26%	Cocoa Processing Company Limited	0%	
Bricapar S.A.	4%	COFCO	35%	
Bridgestone Corporation	50%	COLES GROUP LIMITED	30%	
Bright Food (Group) Co. Ltd.	0%	Colgate-Palmolive Co.	54%	
Builders FirstSource, Inc.	4%	Compagnie Générale des	45%	
Bukit Darah PLC	61%	Établissements Michelin SCA		
Bunge Ltd	51 %	Compañía Bernal S.A	0%	
C & J Clark International Ltd.	20%	ConAgra Brands Inc	40%	
Cafenorte Agricola Ltda	0%	COOP FREIGHT LOGISTICS LTD	0%	
Caleres, Inc.	6%	Cooperativa Regional de Cafeicultores em Guaxupé LTDA	2%	
Camera Agroalimentos S.A.	0%	Corporación Perhusa S.A.	7 %	
Campbell Soup Co	24%	Corpovex - Corporacion Venezolana De		
Canfor Corporation	26%	Com. Exterior		
Capri Holdings	28%	Costco Wholesale Corporation	21%	
Caramuru Alimentos	32%	Cresud S.A.	3%	
Cardinal Health	10%	Crowne Group, LLC	0%	
Cargill Inc	43%	CSAP - COMPANHIA SUL AMERICANA	17 %	
Carrefour Group	31%	DE PECUARIA SA	•0/	
Casino Guichard Perrachon S.A.	35%	Cutrale Trading Brasil Ltda.	0%	
CATTER MEAT SA	0%	Cyrela Brazil Realty	10%	
Cencoprod Ltda	1%	D H Brothers Industries (Pty) Ltd t/a Willowton Group	41%	
Cencosud	9%	Dai Nippon Printing	15%	
Chanel SA	14%	Daio Paper Corporation	17%	
Charoen Pokphand Group	32%	Daiwa House Group	32%	
Cheng Shin Rubber Industry Co Ltd	0%	Dalian Huafeng Furniture Co. Ltd.	0%	
Chengshan Group Co.,Ltd.	0%	Danish Agro	11%	
China Forestry Group Corporation	2%	Danone, Groupe	71%	
China Hainan Rubber Industry Group Co., Ltd.	12%	Danzer Group	22%	
China State Construction Engineering	0%	Daodaoquan Grain and Oil Co., Ltd.	1%	
Corp.		Darmex Agro	0%	
CHS Inc.	4%	De Heus	15 %	
CIA CAFETERA LA MESETA S A	8%	Decathlon	16%	
CJ Cheiljedang Corporation	20%	Deichmann Group	12 %	
Clariant	36%	Directa Line	0%	
Coamo Agroindustrial Coop.	7 %	DLG Denmark	22 %	
Cocoa Marketing Company	0%	Domino's Pizza Inc	17 %	

Company	Score	Company	Score	Company	Score	Company	Score
Donto	0%	Gap Inc.	17%	Guangdong Wens Foodstuff Group	0%	Inspire Brands	10%
DSN Group	50%	Gardingo Trade Importacao e	0%	Co., Ltd		Interfor Corporation	22%
DurliCouros	19%	Exportacao Ltda		Guangzhou Highest Industrial Co. Ltd.	0%	International Flavors & Fragrances,	39%
Dutch Bros. Inc	1%	Gates Industrial Corporation plc	14%	Guangzhou Liby Enterprise Group Co Ltd	0%	Inc (IFF)	
Ebro Foods	13%	General Mills Inc.	35%	Guilin Liyuan	0%	International Paper	44%
Ecom Agroindustrial	41%	General Motors	26%	H & M Hennes & Mauritz AB		Intersnack Group GmbH & Co KG	14%
ED&F Man	28%	Genesco Inc.	6 %		32%	Intimex Group	4%
Eight Capital Inc.	33%	Genting Bhd.	55 %	H. Schmidt Holding GmbH	23%	IOI Corporation Bhd.	47 %
Eldorado Brasil Celulose S/A	34%	Glencore	28%	H51 SAS	37%	ITOCHU Corporation	25%
Emami Ltd.	12%	Godrej Group	16%	HAGL Group	0%	J Sainsbury's PLC	47 %
Engelhart	0%	Gold Best Holdings	6 %	Haid Group	0%	JAB Holding Company	26 %
Essity	35%	Gold Coast Cocoa Company	0%	Halcyon Agri	43%	Japan Brazil paper and pulp Resources	33%
EURO AMERICA	0%	Goodyear Tire & Rubber Company	56%	Hankook Tire & Technology	22%	Development Co., ltd. (JBp)	
Ever Alliance International Ltd	0%	Granja Tres Arroyos S.A.	1%	Haoyue Group	0%	Japfa Ltd	9%
Evershining Ingredient	0%	Granol	5 %	Harita Group	42%	JB Foods Limited	30%
Exportadora de Café Guaxupé Ltda	0%	Gravetal Bolivia	0%	Harlan Bakeries, LLC	7 %	JBJ INVESTIMENTOS	12%
F.R.I.A.R. S.A.	1%	Groupe Avril	46%	Hayel Saeed Anam Group	33%	JBS	33%
FAPCEN	8%	Groupe Blattner Elwyn	0%	Hebei Yangyuan Zhihui Beverage Co Ltd	0%	JM Smucker	20%
Fast Retailing	12%	Groupe Lactalis	28%	Henan Shuanghui	0%	Jollibee Foods Corporation	9%
FAW Group	0%	Groupe Savencia S.A.	19%	Henkel AG & Co	45%	Kamilche Company	5 %
Feihe International Inc.	1%	Grupo BBF (Brasil BioFuels)	6 %	Hershey Co.	62%	Kampala Domestic Store Ltd	0%
FELCRA Bhd	6%	Grupo Bimbo SAB de CV	40%	Hevea-Tec Industria e Comercio Ltda	18%	Kao Corp.	45%
Felda Global Ventures Holdings Bhd.	45%	Grupo Bom Retiro	0%	HOFER KG dba ALDI SOUTH Group	34%	Karex Berhad	12%
Ferrero Group	43%	Grupo Jari	0%	Hormel Foods Corp.	17%	Kellanova	45 %
FinLav S.p.A	38%	Grupo Montesanto Tavares	3%	HVP Plantations	9%	Kering S.A.	59 %
FKS Group	3%	Grupo Nueva	27 %	Hyundai Motor Group	5%	KEURIG DR PEPPER	25%
Flora Food Group BV	65%	Grupo Nutresa	1%	Idilia Foods SL	1%	Kido Group Corporation	4%
Foot Locker	10%	GRUPO PILAR S A	0%	IFFCO	22%	Kikkoman Corp.	13%
ForFarmers B.V.	15%	Grupo Sabira	0%	IKEA	35%	Kimberly-Clark Group	49%
Freudenberg Group	17%	Grupo SLC	43%	Ilim Group	23%	Kingfisher	43%
Frialto	8%	Grupo Viz	1%	Indcresa	16%	Klabin S.A.	24%
FrieslandCampina N.V.	41%	Gruppo Mastrotto Spa	10%	Inditex S.A.	32%	Korindo Group PT	32 %
Frigol S.A	21%	Gruppo Veronesi	9%	Inditex 5.A. Indomobil	32% 1%	KPN Corp	44%
Frigorifico Concepcion S.A.	18%	Guan Chong Bhd.	24%	Indomobil Industrias Frigorificos Recreo SAIC	0%	Kraft Heinz Co.	43%
Frigorifico Gorina S.A	2%	Guangdong Agribusiness Group	0%		1 7 %	KTS Group	5%
Fuga Couros S/A	11%	Corporation		Inner Mongolia Yili Industrial Group Co. Ltd.	1/ 70	Kuala Lumpur Kepong Bhd.	40%
i aga coalos siA	11/0			OO. Etd.			

December 1965 Missai & Co. Lid 28% Pate-Migliann Imeriational 1% Rougier SA, Co. St. December 1% Missai A Co. Lid 28% Pate-Missai Annual Husbanda 1% Rougier SA, Co. St. December 1% Rougier SA, Co. Lid 1% Sa Co. S. Co. Lid 1% Sa Co. Lid	Company	Score	Company	Score	Company	Score	Company	Score
Monte Missin Corp.	L'Oréal Groupe	55%	Mitsui & Co. Ltd	25%	Parker-Migliorini International	1%	Rougier SA	3%
Fundario 64 Lami Souri Curriery Private Limited 8% Mondelier Immanional Inc. 43% Co., Lat. Souri Curriery Fundaria Private Limited 8% Mondelier Immanional Inc. 43% Personal Private Curriery Fundaria Souris Ox. Souris Ox. Ox. Souris Ox. Souris Ox. Ox. Co., Lat.	La Sociedad Exportadora de Café de	1%	Mizkan Holdings	1%	Patanjali Ayurved	1%	Royal Golden Eagle	51 %
Lam Soan Cannerry Private Limited 8% Mondificinational Long 45% Chart College International Long 53% Physicia Long 52% Sadesa 0% Land O'Lukes Inte. 28% Montingua & Cui Lul 16% Person Compane Family Craip 21% SALK Motor 1% Lead Corp. 28% Montingua & Cui Lul 16% Perturbit in Group Coult International Craip 25% Salutin Group Cou Lul 1% Lead A Sprangit AG 44% Missim Med 58% Perturbitial Group 20% Salutin Group Cou Lul 37% Loud Dibylas Company 47% Mederland Group 8% Prival Company 47% Sanitif Global S A 20% Loud Dibylas Company 47% Mederland Group 8% Prival Group 9% Sample Group 27% Loud Dibylas Company 47% Mederland Group 9% Pulkon Food Struc 47% Sample Group 27% Loud Dibylas Company 47% Mederland Group 9% Neether Group 27% Pulkon Food Struc 47% Sample Group <td>•</td> <td></td> <td>Monde Nissin Corp</td> <td>10%</td> <td>Pengdu Agriculture&Animal Husbandry</td> <td>6%</td> <td>RUBBERFLEX SDN.BHD.</td> <td>0%</td>	•		Monde Nissin Corp	10%	Pengdu Agriculture&Animal Husbandry	6%	RUBBERFLEX SDN.BHD.	0%
Designation 11%		8%	Mondelez International Inc	43%	Co., Ltd.		S 3 C	0%
Lear Forp. 28%	•		Mondi Group	53%	PepsiCo Inc	52 %	Sadesa	0%
Letter SPA			Morinaga & Co. Ltd.	16%	Perez Companc Family Group	21%	SAIC Motor	1%
Performance 19th	·		MRV Engenharia e Participacoes S.A.	16%	Permata Hijau Group	59 %	Sailun Group Co., Ltd	6%
Louis Indonesia			Musim Mas	58%	Pertamina Persero PT	7 %	Saint Gobain S.A.	20%
Louis Drey las Company	. •		Muyuan Foodstuff	15%	Perum Perhutani	20%	Salim Group	34%
Decided Companies, Inc. 22% Nocefand Group 10% Pirelli & 47% Saming Group 22%			Natuzzi	8%	PHW Group	15%	Samko Timber Ltd.	17 %
Lucidin Coffee 1% Nehe Shenglei Soybean Plantation 7% Plukon Food Group 9% Sampoerna Agril Rasources Pie. Lital 36% Luna Pic 7% Nest Corp. 59% Pou chen 13% São Milguel 7% 73% Prada SpA 24% Sarimakmur Tunggelmandri 1% 7% São Milguel			Nederland Group	10%	Pirelli & C	47 %	Samling Group	22%
Lina Pic			Nehe Shenglei Soybean Plantation	0%	Plukon Food Group	9%		36%
CMMH Moet Hennessy Lotis Vultton S.A. 35% Neste Corp. 59% Pouchen 13% Sän Miguel 0%			9		Poonphol Group	0%		0%
Nestle SA. Nestle SA. 73% Prode SpA 24% Sarimakmur Tunggalmandrin 178			Neste Corp.	59 %	Pou chen	13%	•	0%
Makin Group Makin Group Makin Group Makin Group Mary SPED SRL Marifig Global Foods Mary Mary SPED SRL Marifig Global Foods Mary SPED SRL Marifig Global Foods Mary SPED SRL Mary SPED SR Mary SPED SR SHAPP SPED SR SHAPP SPED SR SHAPP SPED SR SHAP	·		Nestlé S.A.	73 %	Prada SpA	24%	-	
Maker In Group New Balance Athletic Shoe Inc. 27% Procter & Gamble Co 67% Scheffer 5% Mar frig Global Foods 34% New Hope Group 0% PT Astra International TBK 24% Schwarz Group 28% Mars Inc 66% Nice Group 0% PT Citra Borneo Indah 39% Segertha Group 9% Maruberil Corp. 22% Niche Cocoa Industry Limited 0% PT Rajawali Corp. 49% Seklaui House Ltd. 28% Masco Corporation 7% Niche Cocoa Industry Limited 0% PT. Perkebunan Nusantara III 27% Shandong Chenming Paper Holdings 7% Masco Corporation 55% Nike Inc. 15% PT. Tor Ganda 0% Co.Ild. Maxingvest AG 32% NiPPI, INCORPORATED 0% PT. TUNAS BARU LAMPUNG TBK 12% Shanghai Construction Group 0% McCornald's Corporation 46% Nisshin Oillio Group Ltd. 23% Puratos Group 28% Shuangbaotal Group (Twins Group) 0% McCornald's Corporation 46% Nisshin Fo			Neumann Kaffee Gruppe	50%	Precious Woods Holding AG	46%		
Marking Global Foods 34% New Hope Group 0% PT Astra International TBK 24% Schwarz Group 28% Marfing Global Foods Marring Global Foods 34% NH FOODS LTD. 12% PT Clitra Borneo Indah 39% Segezha Group 9% Shandong Chenning Paper Holdings 7% Shandong Chenning Paper Holdings 9% Shandong Chenning Paper Ho	·		New Balance Athletic Shoe Inc.	27 %	Procter & Gamble Co	67 %	'	
Mars Inc. 66% Mars Inc. NH FOODS LTD. 12% PT Citra Borneo Indah 39% Sege/ha Group 9% Seg/ha Group 9% Sekisui House Ltd. 28% Shandong Cheming Paper Holdings Co Ltd. 38% Shandong Cheming Paper Holdings Co Ltd. 38% Shandong Cheming Paper Holdings Co Ltd. 38% Shandong Cheming Paper Holdings Co Ltd. 41% Shardong Cheming Paper Holdings Co Ltd. 38% Shandong Cheming Paper Holdings Co Ltd. 41% Shardong Cheming Paper Holdings Co Ltd. 41% Shardong Cheming Paper Holdings Co Ltd. 42% Shardong Cheming Paper Hold			New Hope Group	0%	PT Astra International TBK	24%		
Marubeni Corp. 22% Nice Group 0% PT Rajawali Corp. 49% Sekisui House Ltd. 28% Masco Corporation 7% Niche Cocca Industry Limited 0% PT Sarana Agro Investama 10% Seven & I Holdings Co Ltd 18% Matte Group 55% Nike Inc. 15% PT. Perkebunan Nusantara III 27% Shandong Chenming Paper Holdings 7% Maxingvest AG 32% Nine Dragons Paper Holdings 15% PT. Tor Ganda 0% Coltate 26% Shandong Chenming Paper Holdings 7% Maxingvest AG 32% Nipp, INCORPORATED 0% PT. TUNAS BARU LAMPUNG TBK 12% Shanghai Construction Group 0% McComick & Co Inc 33% Nippon Paper Industries Co. Ltd. 41% Puma SE 24% Shell pic 26% McComaid's Corporation 46% Nissin Foods Holdings Co. Ltd. 23% Puratos Group 28% Shuangbactai Group (Twins Group) 0% Merication Group 16% Nissin Foods Holdings Co. Ltd. 27% Racafé 14% SIAT Group (Société di Inves			NH FOODS LTD.	12%	PT Citra Borneo Indah	39%	'	
Masco Corporation 7% Niche Cocoa Industry Limited 0% PT Sarana Agro Investama 10% Seven & I Holdings Co Ltd 18% Masco Corporation Masco Corporation 55% Nike Inc. 15% PT. Perkebunan Nusantara III 27% Shandong Chenming Paper Holdings 7% Nike Dragons Paper Holdings 7% Nike Dragons Paper Holdings 7% Nike Dragons Paper Holdings 15% PT. Tor Ganda 0% Co.ltd. Co.ltd. 60. Itd. 60. Itd.<			Nice Group	0%	PT Rajawali Corp.	49%		
Matte Group 55% Nine Dragons Paper Holdings 15% PT. Perkebunan Nusantara III 27% Shandong Chenming Paper Holdings 7% Maxingvest AG 32% NiPPI, INCORPORATED 0% PT. TOr Ganda 0% Co.ltd. Mayora Group 3% NiPPI, INCORPORATED 0% PT. TUNAS BARU LAMPUNG TBK 12% Shanghai Construction Group 0% Shanghai Construction Group 0% NiPPI, INCORPORATED 12% Puma SE 24% Shell plc 26% Nicormick & Co Inc 33% Nisshin Oilli O Group Ltd. 23% Puratos Group 28% Shuangbaotai Group (Twins Group) 0% Nissin Foods Holdings Co. Ltd. 41% Pwan SI 28% Shuangbaotai Group (Twins Group) 0% Nissin Foods Holdings Co. Ltd. 7% Racafé 14% SIAT Group (Société d Investissement 33% Nicord Allmentos S/A 0% Oetker-Gruppe 24% Reckitt Benckiser Group PLC 47% pour l'Agriculture Tropicale) Metro AG 38% Offal Exp S.A. 0% Rich Holdings Inc. 21% Sime Darby Bhd. 33% Nigoni di Asiago Srl 5% Sime Darby Bhd. 33% Nigoni Confectionery 3% Ninor Matternational Inc. 29% Oji Holdings Corp 33% Rigoni di Asiago Srl 5% Sinochem Holdings 4% Ninor Matternational Mint Tien Coffee 7% Optimize International S/A 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinochem Holdings 4% Ninory S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinochem Holdings 4% Ninory S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinochem Holdings 4% Ninory S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinochem Holdings 4% Ninory S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinochem Holdings 14% Ninory S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Shourd Timber 25% Ninor Mastrotto Group SPA 24% Sinochem Holdings 14% Ninory S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinochem Holdings 14% Ninory S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinochem Holdings 14% Ninory S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinochem Holdings 14% Ninory S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinochem Ho	•		Niche Cocoa Industry Limited	0%	PT Sarana Agro Investama	10%		
Maxingvest AG Mipph INCORPORATED Mipph INCORPORATED Mipph Paper Industries Co. Ltd. Mipph Puratos Group Reckitt Benckiser Group PLC Mipph Paper Industries Co. Ltd. Mipph Paper Industrie	'		Nike Inc.	15%	PT. Perkebunan Nusantara III	27 %		
Mayora Group 3% NippI, INCORPORATED 0% PT. TUNAS BARU LAMPUNG TBK 2% Shanghai Construction Group 0% Mayora Group 3% Nippon Paper Industries Co. Ltd. 41% Puma SE 24% Shell plc 26% McCormick & Co Inc 33% Nisshin OilliO Group Ltd. 23% Puratos Group 28% Shuangbaotai Group (Twins Group) 0% McDonald's Corporation 46% Nissin Foods Holdings Co Ltd 27% Pwani Oil Products Limited 11% SHV holdings 19% Melita Group 16% Nitori Holdings Co. Ltd. 7% Racafé 14% SIAT Group (Société d Investissement 33% Mercedes-Benz Group 31% Nomad Foods Ltd 21% Reckitt Benckiser Group PLC 47% pour l'Agriculture Tropicale) Mercon Coffee 15% NordSud Timber 6% Restaurant Brands International Inc 19% SIFCA Group 28% Metro AG 38% Offal Exp S.A. 0% Rich Holdings Inc. 21% Sihl II Holding AG 2% Mewah International Inc. 29% Oji Holdings Corp 33% Rigoni di Asiago Srl 5% Sime Darby Bhd. 33% Migros-Genossenschafts-Bund 20% OLAM International Minerva S.A. 0PTIMIZE INTEGRATION GROUP INC 0% Rino Mastrotto Group SPA 24% Sinograin 1% Sinog	•		Nine Dragons Paper Holdings	15%	PT. Tor Ganda	0%		1 70
McCormick & Co Inc 33% Nipon Paper Industries Co. Ltd. 44% Puma SE According Service Science Service Science Service Science Science Service Science Service Science Service Science	-		NIPPI, INCORPORATED	0%	PT. TUNAS BARU LAMPUNG TBK	12 %		0%
McDonald's Corporation 46% Nisshin OilliO Group Ltd. 23% Puratos Group Puratos Info Puratos Group Puratos Group Puratos Info Puratos Gro			Nippon Paper Industries Co. Ltd.	41%	Puma SE	24%	Shell plc	26%
Melitta Group Melitta Group Mercedes-Benz Group Mercedes-Benz Group Mercon Coffee 15% MordSud Timber Mercin Alimentos S/A Metro AG Mewah International Inc. Mey Agen Signa Alimentos SA Mewah International Inc. Mey Agen Signa Alimentos SA Mey Agen Agen Signa Agen			Nisshin OilliO Group Ltd.	23%	Puratos Group	28%	Shuangbaotai Group (Twins Group)	0%
Mercedes-Benz Group Mercon Coffee 15% NordSud Timber 6% Restaurant Brands International Inc. Metro AG Mewah International Inc. Migros-Genossenschafts-Bund Migros-Genossenschafts-Bund Minerva S.A. Minerva S.A. Minh Tien Coffee 7% NordSud Timber NordSud Timber 6% Restaurant Brands International Inc. 19% REWE Group REWE Group REWE Group Rich Holdings Inc. 21% Rimbunan Hijau Group 34% Signa Alimentos SA de CV 13% Signa Alimentos SA de CV	•		Nissin Foods Holdings Co Ltd	27%	Pwani Oil Products Limited	11%	SHV holdings	19%
Mercedes-Benz Group Mercon Coffee 15% MordSud Timber 6% Restaurant Brands International Inc Mercon Coffee 15% Mercúrio Alimentos S/A Metro AG Mewah International Inc. 29% Migros-Genossenschafts-Bund Minerva S.A. Minerva S.A. Minh Tien Coffee 7% Orion Confectionery 21% Reckitt Benckiser Group PLC 47% Restaurant Brands International Inc 19% SIFCA Group 28% Restaurant Brands International Inc 19% Sigma Alimentos SA de CV 13% Sigma Alimentos SA de C	Melitta Group	16%	Nitori Holdings Co. Ltd.	7 %	Racafé	14%	SIAT Group (Société d Investissement	33%
Mercon Coffee15% Mercúrio Alimentos S/ANordSud Timber6%Restaurant Brands International Inc19%SIFCA Group28%Metro AG38% Mewah International Inc.Oetker-Gruppe24%REWE Group34%Sigma Alimentos SA de CV13%Mewah International Inc.29% Migros-Genossenschafts-BundOji Holdings Corp33%Rigoni di Asiago Srl5%Sime Darby Bhd.33%Minerva S.A.36% Minh Tien CoffeeOPTIMIZE INTEGRATION GROUP INC Orion Confectionery0%Rino Mastrotto Group SPA24%Sinochem Holdings4%Mitsubishi Corp.25%Orion Confectionery3%Rioverde OOO0%Sinograin1%	Mercedes-Benz Group	31%		21%		47 %	• •	
Mercúrio Alimentos S/A0% Metro AGOetker-Gruppe24%REWE Group34%Sigma Alimentos SA de CV13%Mewah International Inc.38% Migros-Genossenschafts-BundOffal Exp S.A.0%Rich Holdings Inc.21%Sihl II Holding AG2%Migros-Genossenschafts-Bund20% OLAM InternationalOji Holdings Corp OLAM International33%Rigoni di Asiago Srl5%Sime Darby Bhd.33%Minerva S.A.36% Minh Tien CoffeeOPTIMIZE INTEGRATION GROUP INC Mitsubishi Corp.0%Rino Mastrotto Group SPA24%Sinochem Holdings4%Mitsubishi Corp.25%Orion Confectionery3%Rioverde OOO0%Sinograin1%	Mercon Coffee	15%	NordSud Timber	6 %	Restaurant Brands International Inc	19%	SIFCA Group	28%
Metro AG38% Mewah International Inc.Offal Exp S.A.0%Rich Holdings Inc.21%Sihl II Holding AG2%Migros-Genossenschafts-Bund Minerva S.A.Oji Holdings Corp OLAM International33%Rigoni di Asiago Srl5%Sime Darby Bhd.33%Minerva S.A.OLAM International44%Rimbunan Hijau Group3%Sinar Mas Group Co. Ltd.33%Minh Tien Coffee7%OPTIMIZE INTEGRATION GROUP INC0%Rino Mastrotto Group SPA24%Sinochem Holdings4%Mitsubishi Corp.25%	Mercúrio Alimentos S/A	0%					Sigma Alimentos SA de CV	13%
Mewah International Inc.29% Oji Holdings Corp33%Rigoni di Asiago Srl5%Sime Darby Bhd.33%Migros-Genossenschafts-Bund20% OLAM International44%Rimbunan Hijau Group3%Sinar Mas Group Co. Ltd.33%Minerva S.A.36% Minh Tien CoffeeOPTIMIZE INTEGRATION GROUP INC0%Rino Mastrotto Group SPA24%Sinochem Holdings4%Mitsubishi Corp.25%Orion Confectionery3%Rioverde OOO0%Sinograin1%	Metro AG	38%	• •		·		Sihl II Holding AG	2%
Migros-Genossenschafts-Bund Minerva S.A. Minh Tien Coffee Mitsubishi Corp. Migros-Genossenschafts-Bund OLAM International 44% Rimbunan Hijau Group 3% Sinar Mas Group Co. Ltd. 33% Sinochem Holdings 4% Aino Mastrotto Group SPA Rioverde OOO Nitsubishi Corp. Aino Mastrotto Group SPA Nitsubishi Corp. Aino Mastrotto Group SPA Nitsubishi Corp. Nitsubishi Corp. Aino Mastrotto Group SPA Nitsubishi Corp. Nitsubishi Corp. Nitsubishi Corp. Nitsubishi Corp. Nitsubishi Corp.	Mewah International Inc.	29%	•				Sime Darby Bhd.	33%
Minerva S.A. Minh Tien Coffee Mitsubishi Corp. Minerva S.A. OPTIMIZE INTEGRATION GROUP INC OW Rino Mastrotto Group SPA Rioverde OOO Ow Sinochem Holdings 1% Sinochem Holdings 1%	Migros-Genossenschafts-Bund	20%					Sinar Mas Group Co. Ltd.	33%
Minh Tien Coffee 7% Orion Confectionery 3% Rioverde OOO 0% Sinograin 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1%	Minerva S.A.	36%			·		Sinochem Holdings	4%
Mitsubishi Corp. 25%	Minh Tien Coffee	7 %			·		Sinograin	1%
	Mitsubishi Corp.	25%	·		Moverde 000	3 /6		

Company	Score	Company	Score
Sipef Group	46%	The Home Depot	18%
Skechers USA Inc.	12%	The Kroger Co.	22%
SLJ Global	16%	The Siam Cement Public Company	28%
Socfin Group	59 %	Limited	
Sodrugestvo Group S.A	1%	The TJX Companies, Inc.	14%
Southland Global Pte Ltd	37%	The Yokohama Rubber Co Ltd	33%
Sri Trang Agro-Industry Public Company Ltd	43%	Thomas Foods International Consolidated Pty Limited	3%
SSP Group Plc.	24%	Ting Hsin International Group	0%
Staples inc.	18%	Tolko Industries Ltd	6 %
Starbucks Corp.	32%	Tong Hong Tannery	0%
Stora Enso	50%	Total Enterprise Limited	0%
Subway IP LLC	10%	Touton S.A	41%
Sucafina	16%	Toyo Suisan Kaisha Ltd.	5%
Sucden	41%	Toyota Group	24%
Suguna Foods	0%	Tradewinds (M) Berhad	14%
Sumitomo Forestry	40%	Triputra Group	43%
Sumitomo Rubber Industries	9%	Tropicore	37%
Suzano SA	91%	Tyson Foods Inc.	31%
Sysco	15%	UCC Holdings Pte. Ltd.	22%
Tangrenshen Group (TRS)	0%	UFP Industries, Inc.	3%
Tangshan sanyou	12%	ULK Group	8%
Tapestry	47 %	Uni-President Enterprises Corp.	9%
Target Corp	19%	Unicharm Corporation	34%
Tata Sons	6%	Unifood Industrial Group	0%
Terra Forte Exportacao e Importacao	5%	Unigra	22 %
de Cafe Limitada		Unilever PLC	72 %
Tesco PLC	40%	UPM	49%
Tetra Laval	51 %	Vancouros Indústria e Comércio de	12 %
TGI Group	2%	Couros LTDA	
Thai Rubber Latex Group Public	23%	Vandemoortele NV	39%
Company Limited ("ThaiTex")		Ventura Foods, LLC	17%
Thai Vegetable Oil Public Company Limited	7 %	Vera Cruz Agro Pecuaria Ltda VF Corp.	0% 24%
THANG LOI COFFEE JOINT STOCK COMPANY	6%	Vicwood Group	0%
The Coca-Cola company	34%	Viet Nam Rubber Group (VRG)	15%

Company	Score
Vologda Timber Merchants	10%
Von Bundit	23%
VW Group	24%
Walgreens Boots Alliance	17 %
Walmart Inc	35%
Wasco Berhad	5 %
Weltra	1%
West Fraser Timber Co Ltd.	27 %
Westrock	28%
Weyerhaeuser Company	32 %
WH Group	1%
Wilmar International Ltd	51 %
Wings Corp	10%
WM Morrison Supermarkets PLC	24%
Wuhan Xinyatai Paper Products Co.,Ltd.	1%
X5 Group	14%
Xiangfen County Sanxiao Wood Industry Co., Ltd.	0%
Xiayi County Dongsheng Breeding Specialty Cooperative	0%
Xingye Leather Technology Co., Ltd.	0%
YABITO S.A.	0%
Yamazaki Baking Co.	2%
Yihua Group	2%
Yildiz Holding	14%
Yomiuri Group, The	1%
Yum! Brands Inc	38%
Yunnan Natural Rubber Industry Group Co., Ltd.	0%
Zhejiang Tongtianxing Group Joint-Stock Co Ltd	0%
Zhongce Rubber Group Co Ltd	0%

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Citation: Please cite this publication as: Thomson, E., 2025, Companies profit, forests fall: everyone pays the price, Global Canopy, Oxford, UK

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About the Forest 500: Forest 500, a Global Canopy project, identifies and ranks the most influential companies on the strength and implementation of their commitments on deforestation, conversion and associated human rights abuses, in the race towards a deforestation-free global economy.

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Funding: Forest 500 was financially supported by Climate Arc and Norad.

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