

RESPONSIBLE SOURCING REPORT 2023

FOR THE CARE CHEMICALS OPERATING DIVISION

LETTER TO OUR STAKEHOLDERS

Dear readers,

You are holding BASF's Responsible Sourcing Report in your hands. Thank you for being interested in our efforts. We at BASF have firmly anchored the three pillars of sustainability: the economy, environment and society into our strategy, our targets and our operations.

"We create chemistry for a sustainable future." Our corporate purpose makes it clear: We are committed to contributing to a world that provides a viable future with an enhanced quality of life for everyone by creating chemistry for our customers and society, making the best use of available resources.

In my role as President of the company's Care Chemicals Division, this vision is particularly close to my heart. We source and produce responsibly and act as a fair partner, especially by recognizing the critical role of smallholders and we are committed to improving their livelihoods through responsible sourcing. To make this a reality, we work closely with partners in the supply chain to transform the market and emphasize the importance of social measures to protect high carbon stock forests. We have also entered a future-oriented partnership to support Indonesian smallholders in sustainable palm and palm kernel oil cultivation. This partnership exemplifies BASF's commitment to sustainability, showcasing our dedication to supporting smallholders and promoting sustainable practices. At Care Chemicals, we carry the passion to care in our DNA: We care for our customers, consumers, employees, society and our planet.

Our global approach "Care360° – Solutions for Sustainable Life" bundles all topics relevant to the future of our markets and industries, namely, sustainability, digitalization, innovation and new approaches to working together.

In this report, you will discover comprehensive information about our activities and progress. This encompasses our Palm commitment, which establishes sustainability standards for palm and palm kernel oil sourcing. We also showcase our Responsibly Active program, which centers around the sustainable sourcing of bioactives and the promotion of empowerment while safeguarding the planet's resources. Furthermore, we take pride in being the pioneering chemical company to provide Rainforest Alliance certified personal care ingredients derived from coconut oil and engage in sustainable castor oil production.

I hope you enjoy diving into this year's edition of our Responsible Sourcing Report.

For more information, I invite you to visit www.care360.basf.com

Sincerely,

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Mary Kurian President Care Chemicals, BASF SE



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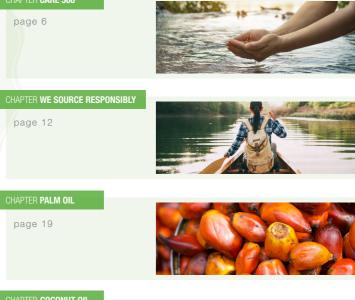
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CARE 360° - SOLUTIONS FOR SUSTAINABLE LIFE

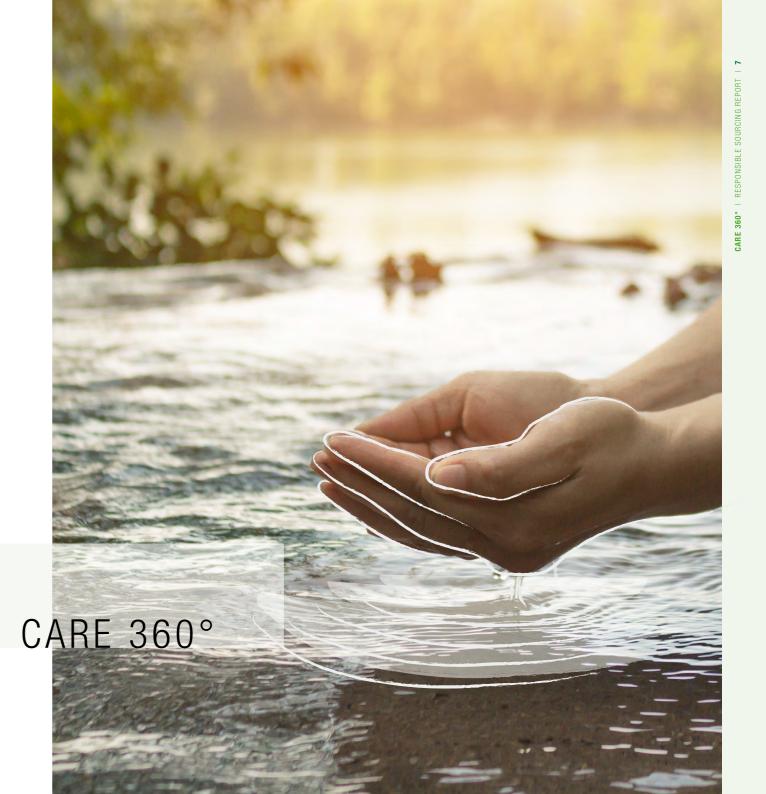
We as the Care Chemicals division of BASF carry the passion to care in our DNA: We care for our customers, consumers, employees, society and our planet. This is what sets us apart and motivates us.

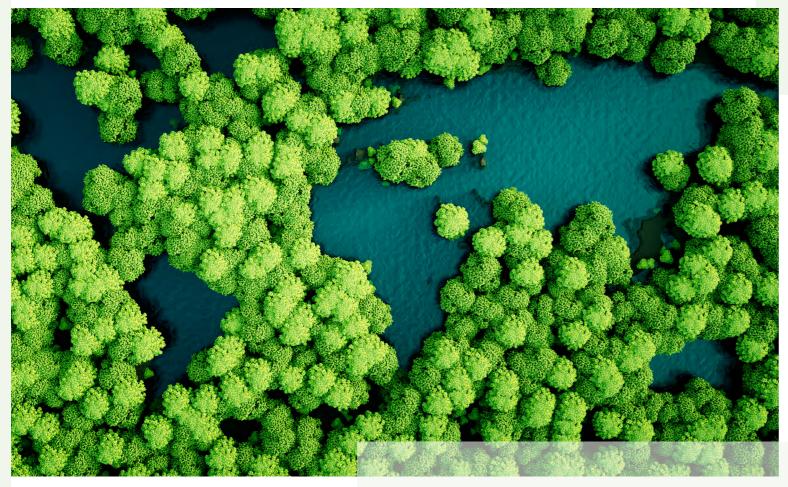
Care 360° – Solutions for Sustainable Life is our global, cross-business and holistic approach to cover all topics relevant to the future of our markets and industries: sus-

tainability, digitalization, innovation and new approaches to working together.

Think of it as a canvas where we can sketch the future and collaboratively find solutions for sustainable life.

Care 360° lays the foundation for us to evolve our relationship with you – and create value together.





CARE 360°

CARE 360° - SOLUTIONS FOR SUSTAINABLE LIFE

WHY DO WE CARE?

Across BASF, we share a passion for excellence in chemical engineering and innovation in the service of our customers, society and our planet. Our expertise and the power of our Verbund integration place us in a uniquely strong position to make a decisive contribution to changing the world for the better. We are committed to achieve this goal, as summed up in our corporate statement, "We create chemistry for a sustainable future."

As a globally leading supplier to the industries of personal care, home care, industrial & institutional cleaning, and technical applications, BASF's Care Chemicals division is by nature aligned with this mission. We not only create ingredients and solutions we also care for the needs of our customers, society and the environment.

Our dedication and passion to care in all dimensions is a challenge and an opportunity: each and every one of us at Care Chemicals is called upon to advance our role as the first-in-mind partner for using our knowledge to deliver high-performance sustainable solutions. Whether renewable feedstocks, sustainable supply chains or products with lower product carbon footprint, we have the expertise, resources and passion to help transform the industries we serve. This means taking a proactive approach to the marketplace, not only meeting existing needs, but also providing solutions for a sustainable future.

WHAT'S IN IT FOR YOU?

We want to make a difference

Consumers are increasingly aware of sustainability topics. And the markets we serve across the Care Chemicals division are particularly sensitive to public scrutiny, especially given the increase in transparency that digitalization is bringing: whether the environmental impact of detergents, naturalness of cosmetics or overall CO₂ footprint, manufacturers using our products need to meet high standards. We can help you turn this challenge into an opportunity through our expertise, knowledge and levering digital solutions.

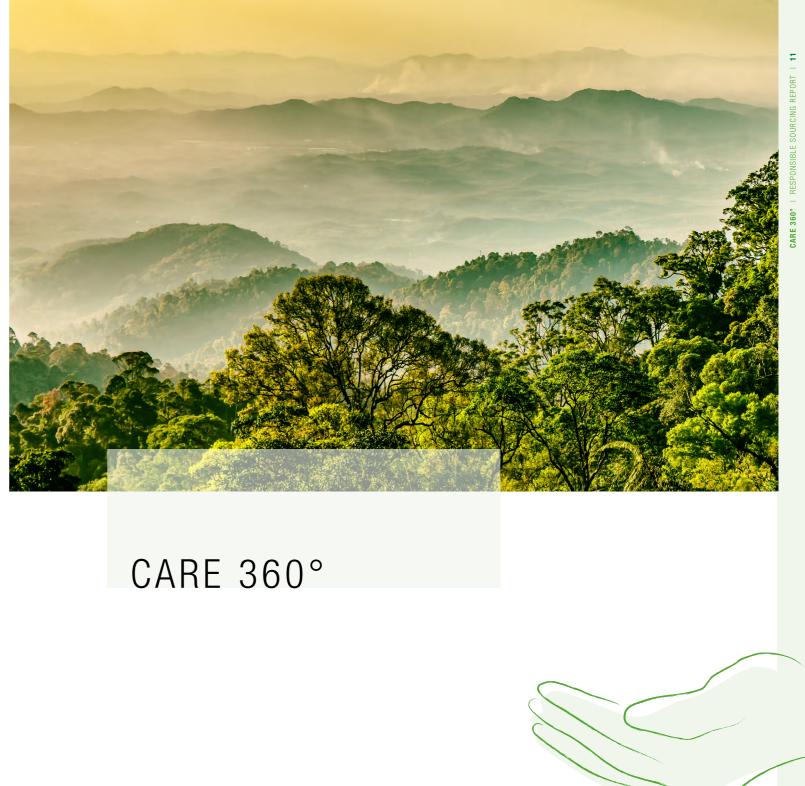
WE OFFER SUSTAINABLE SOLUTIONS FOR TODAY'S AND **TOMORROW'S CHALLENGES**

From nature-sourced, renewable actives for personal care products to plant-based surfactants for cleaning products, our sustainable solutions answer the demands of today's consumers and industrial users. Equally importantly, we can back our sustainability promise with transparent and verifiable facts. It is our collective responsibility to raise internal and external awareness of our sustainability credentials and how they benefit our customers, our company and society.

CREATING A NEW CUSTOMER EXPERIENCE IS KEY TO MAKING A DIFFERENCE

Power in innovation and application knowledge is what BASF is known for. In the past, we have successfully proven our broad capabilities and deep expertise. This made us a leader in our markets. Care 360° builds on this foundation. With our digital services we are there for our customers 24/7, enhancing daily interaction with existing customers and offering new opportunities for potential customers. And by conjoining personal relations with digital interactions, we as Care Chemicals will deliver a seamless experience that is enriching the transition to Solutions for Sustainable Life.

From discovering and exploring solutions, to sampling and buying our products, Care 360° - Solutions for Sustainable Life will create a number of advantages such as more convenience, improved ease-of-doing business, and faster go-to-market through our cutting-edge digital services.





SUSTAINABILITY NETWORKS & RATINGS

OUR COLLABORATIONS

BASF engages in sustainability networks to better understand trends in society as the drivers of our business, to help shape measurement and performance standards, and to partner for joint contributions to Sustainable Development. Examples are:



















RATINGS















ALLIANCE TO END PLASTIC WASTE







CSR E U R O P E





Founding member of the "Together for Sustainability" initiative for the joint evaluation of suppliers



WE SOURCE RESPONSIBLY



Supplier Code of Conduct rooted in internationally recognized standards such as the principles of the UN Global Compact



INCREASE IMPACT OF EVALUATIONS AND **IMPROVE SUSTAINABILITY** PERFORMANCE IN THE SUPPLY CHAIN

BASF 2025 GOAL:

Cover 90% of our relevant spend¹ with sustainability evaluations by 2025, and have 80% of our suppliers **improve** their sustainability performance upon re-evaluation

> Engaged in **global initiatives** to improve sustainability performance in the supply chain, e.g. Roundtable on Sustainable Palm Oil (RSPO), Sustainable Castor Oil Association, High Carbon Stock Approach (HCSA).



FOREST PROTECTION POLICY: **INTRODUCED IN JUNE 2020**

We recognize the importance of protecting the world's forests for the wellbeing of the environment and society



Palm (kernel) oil, soya oil and its derivates, and lignosulfonates extracted from wood are commodities with high deforestation risks 🖌 💉



A key challenge

is to enable the sustainable intensification of agriculture by increasing productivity on existing land, thus decreasing the pressure on forests





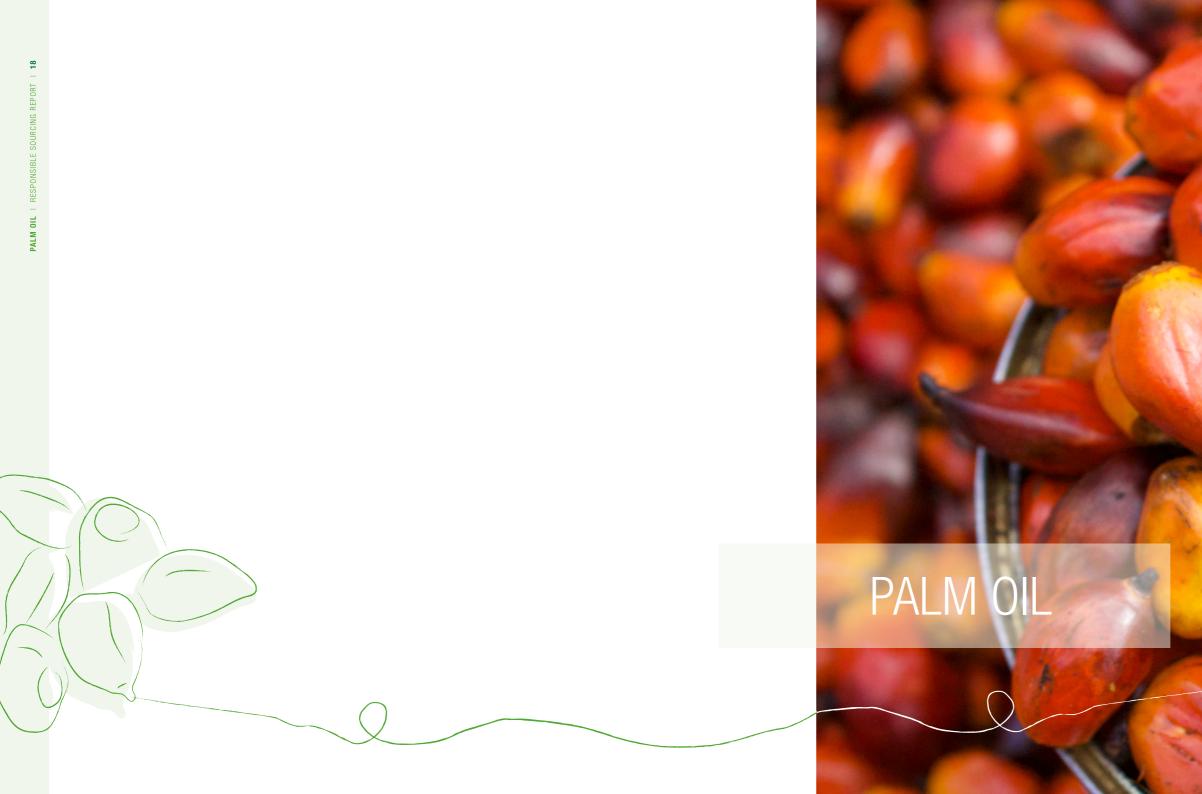
Collaboration is needed to raise and increase awareness, drive the necessary market transformation and achieve impact on the ground

We will drive the compliance to our ambition and principles in all our renewable value chains



"We acknowledge our responsibility as an actor in various value chains and therefore, strive to end deforestation within those."

Source: BASF Forest Protection Policy





KEY FIGURES

BASF PALM FOOTPRINT 2023



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in 2023we sourced only RSPOcertified sustainable palm and palm kernel oil



We will step up our efforts to improve transparency and traceability in the supply chain. We were able to trace almost 96%. All of our overall palm oil exposure back to oil mill level in 2023.

>800

BASF raw materials

are palm-based



Product Carbon Footprint

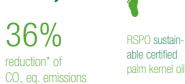
>225,000 t CO₂ eq. emission reduction due to sourcing of RSPO-certified material

36%

reduction* of

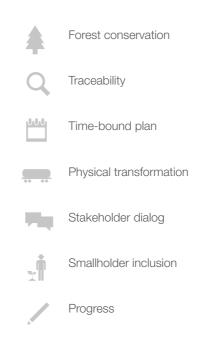
BASE RSPOcertified sites globally

conventionally kernel oil

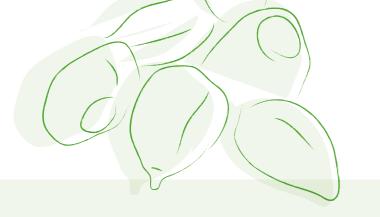


* Consultant 2.0, www.LCA-net.com/club/palm-oil/, 2019 RSPO = Roundtable on Sustainable Palm Oil

CORE ELEMENTS OF OUR PALM COMMITMENT





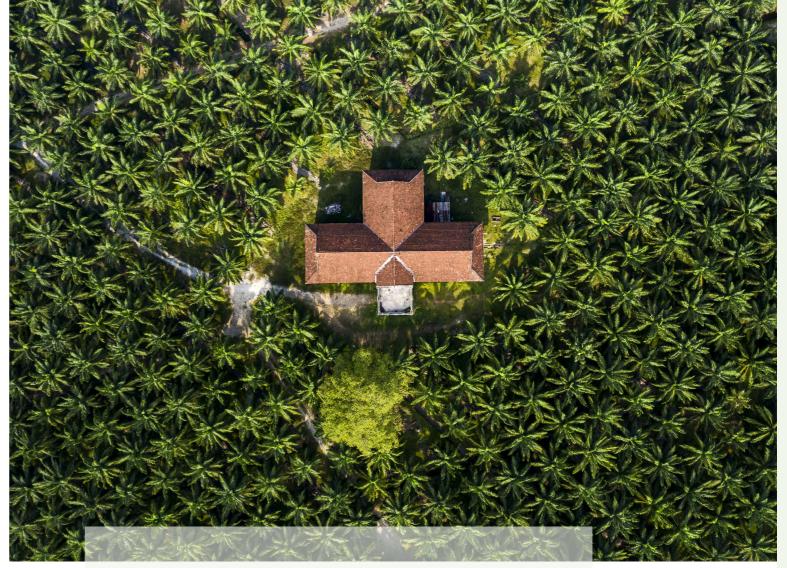


When the Roundtable of Sustainable Palm Oil (RSPO) was set up in April 2004, BASF envisioned it as a milestone for the palm oil world. Consequently, BASF joined the RSPO in November 2004, very soon after the start. Since then, the RSPO has had a remarkable journey towards the sustainable certified production of palm and palm kernel oil – especially with the renewal of the Principles and Criteria in 2018. Consequently, we consider RSPO to be a standardized implementation of a strong No Deforestation, No Peat, No Exploitation (NDPE) policy.

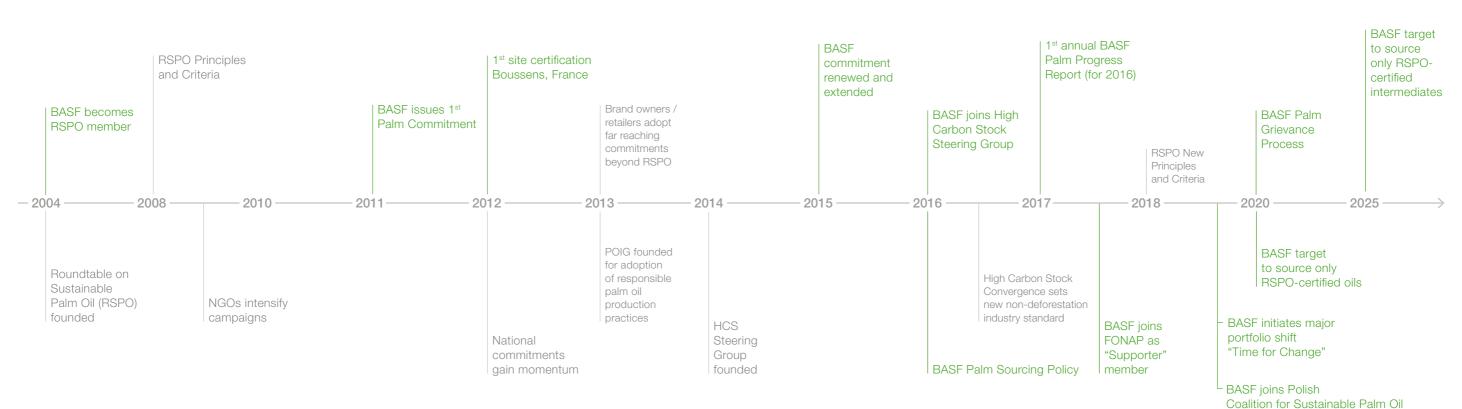
The BASF Palm Commitment was first published in 2011 and extended in 2015 including NDPE requirements by the means of a Palm Sourcing Policy for oil palm derived products that incorporates forest and peat conservation, as well as requirements for a social impact assessment and human and labor rights. We have committed ourselves to foster sustainable palm by procuring all oils only from RSPO physically certified sources by 2020 and expanding our oil commitments to significant intermediates based on palm and palm kernel oil by 2025. BASF achieved its commitment and procures palm (kernel) oils exclusively from sources certified by the RSPO since 2020. Additionally, BASF embedded its Palm Commitment into an overarching BASF Group Position on Forest Protection. The scope encompasses oils and fats, grains, sugar and wood from our third party supply, our own operations, as well as our products. As a member, BASF is also fully committed to the High Carbon Stock Approach (HCSA) initiative which drives integrated land use planning for oil palm development.

In order to support our BASF NDPE commitment, we have developed an agile, responsive and insightful palm grievance procedure that covers direct and third party suppliers. The process handles grievances related to BASF's palm oil supply chain, including suspension if needed. We respect the grievance procedure of the RSPO. Actions and decision on raised grievances made by the RSPO are taken into consideration. The BASF grievance procedure is published on BASF Palm Dialog Webpage.

For our efforts to halt deforestation caused by palm oil production, BASF was awarded an A- rating by CDP (Carbon Disclosure Project) in 2023. CDP is a non-for-profit charity that runs the global disclosure system for investors, companies, cities, states and regions to manage their environmental impacts.



OUR JOURNEY – BASF'S PALM COMMITMENT









"Collaboration and dialog along the value chain is key for pursuing our ambitious goals."

RESPONSIBLE PARTNERING

OUR COLLABORATIONS

As a strategic supplier and a connecting link between raw material producers and manufacturers, we want to make a difference in the palm industry. Collaboration and dialog along the value chain is key for pursuing our ambitious goals on our journey towards responsible sourcing of palm oil.

BASF became a member of the RSPO in 2004. Since then, we have actively participated in consultations within the organization, most notably in the subgroup oleochemicals and derivatives under the RSPO working group Trade & Traceability.

In order to leverage industry activities to stop deforestation, we became a member of the High Carbon Stock (HCS) Steering Group in 2016 and have since then integrated the criteria of the HCSA (high carbon stock approach) into our Palm Sourcing Policy. BASF stepped up its commitment to certified sustainable oil palm products in the German, Austrian and Swiss markets by joining the Forum for Sustainable Palm Oil (FONAP) in 2017 as a manufacturer of oleo-derivatives (category "Supporter").

In 2019, BASF signed together with eleven founding members the Declaration of 'Polish Coalition for Sustainable Palm Oil – PKZOP (Polskiej Koalicji ds. Zrównoważonego Oleju Palmowego)'. The PKZOP is an independent coalition and aimed at achieving 100 percent sustainable palm oil in Poland by 2030.





SMALLHOLDER INCLUSION

OUR COLLABORATIONS

In Indonesia and Malaysia, smallholder farmers account for 40 percent of the total area of planted oil palms and as much as 33 percent of the output. This means no sustainability policy can be effective without considering smallholders as a crucial part of the value chain. Sustainability certification, such as the RSPO, can be costly and difficult to achieve for smallholders. However, the certification is in high demand and can provide valuable premiums to the smallholders.

In 2023 BASF, alongside a leading company for natural cometics, has partnered with the Indonesian non-profit organization Kaleka, to support the sustainable management of palm and palmkerneloil prodcution in Indonesia. The smallholder project is implemented by Kaleka and follows a jursidictional approach. The partner aim to promote sustainable land use in Selunuk Village in the Seruyan District in Central Kalimantan and to invlolve local authorities in the active management of the project. The project partners support the creation of policies and regulations to replicate and scale up regenerative agriculture and ensure living wages through legal certification. The aim is to implement regenerative agriculture in 22 hectares of palm oil smallholder farms and to certify 200 hectares of land to the RSPO smallholder standard. These farmers will benefit not only from technical know-how and improve framework conditions, but also from the social and economic benefits through ongoing training in the implementation and maintenance of sustainable palm oil practices.

Through Project Lampung, a collaborative sustainability initiative, Solidaridad, BASF, The Estée Lauder Companies (ELC), and The Roundtable on Sustainable Palm Oil (RSPO) have made real progress strengthening the sustainable palm oil supply chain and supporting smallholder farmers. Since its launch in 2018, Project Lampung has provided technical education and training to 1,003 independent palm oil smallholders. "No sustainability policy can be effective without considering smallholders as a crucial part of the value chain."



to certified seedlings in order to support these farmers in Upon completion of the project, the declared goal of certifying one-third of the participants of the program improving productivity. With the support of a strengthened according to the RSPO Smallholder Standard was almost cooperative the project partners worked with the Indoachieved (313 certifications). This is the very first project nesian government and other local organizations to conin Way Kanan aimed at enhancing the capacity of palm oil duct a Social Impact Assessment and an Environmental smallholders. Before the intervention, the smallholders had Impact Assessment. They also mapped farmers' fields limited exposure to sustainable palm oil production pracand uploaded all relevant data to the RSPO database to tices, and the cooperative did not have a strategic focus verify that no deforestation or land conversion had taken on supporting smallholders. Through a program of continplace. While the project was originally anticipated to take uous education, these independent palm oil farmers have three years, it ended up taking five due to the Covid-19 improved their knowledge on sustainable production, pandemic. The collaboration evolved during that time to help accommodate shifting priorities for the farmers and including, for example, an awareness about the importance of planting certified seedlings. The project ensured access best support them during this challenging period.

THE FORUM FOR SUSTAINABLE PALM OIL (FONAP)

Since March 2023, BASF has participated in a FONAPsupported Indonesian palm oil forum FORTASBI and the local NGOs CAPPA and Setara Jambi in the Tanjung Jabung Barat district on Sumatra, Indonesia. The first project phase was completed in March 2023. During this time, the project pursued three strategies: sustainable landscape management through social forestry, protection of water bodies and riparian strips, and sustainable oil palm cultivation through regenerative agriculture.

A total of 536 smallholder farmers were trained: native plants were planted on 17 hectares of forest; 70 women were supported in the construction of three tree nurseries; and the Pengabuan River was placed under the protection of village regulations along 4.5 kilometres of length.

Setara Jambi is currently collecting information about the farmers in its project regions. However, it lacks the tools to evaluate this information. To change this, the project is bringing Koltiva on board in the second phase. The project uses the GDPR compliant KoltiTrace system to collect GPS data from smallholder farmers. This not only helps with the planning of future interventions, but also simplifies the tracing of the palm oil produced. This is an important prerequisite for compliance with the EU Deforestation Regulation (EUDR) and therefore market access in Europe.

When finishing the project, the announced aim of certificating a third of the project-participants according to the RSPO Smallholder standard was almost reached. All in all 313 Certifications were realized.

SMALLHOLDER INCLUSION



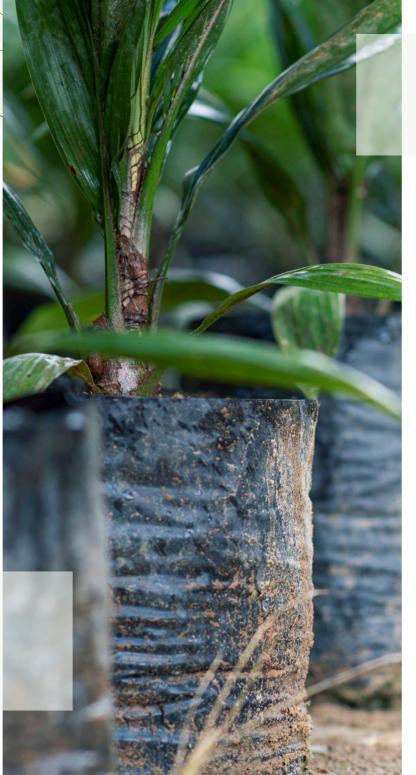
be sustainable in



OUR PROGRESS

BASF is one of the leading global suppliers for personal care, home care, industrial & institutional cleaning and technical applications as well as for food performance and health ingredients. A significant share of our products is based on renewable raw materials, of which a substantial ratio is oil palm-based. We are one of the major users of palm kernel oil and its derivatives and to a lesser extent palm oil. We process those products into ingredients for the above-mentioned industries.

BROAD RANGE OF SUSTAINABLE INGREDIENTS



CUSTOMER INDUSTRIES

CARE CHEMICALS

We offer a broad range of RSPO Mass Balance certified sustainable products that cover all major Personal Care functions: from consistency factors (Cutina®, Lanette®), emollients (Cetiol[®]), emulsifiers (Eumulgin[®]), emulsion bases (Emulgade[®]), surfactants (Plantacare®, Dehyton®, Sulfopon® and Texapon®) and thickeners (Comperlan®) as well as all the way to the main surfactants for detergents and cleaners industry as well as industrial formulators (Dehydol®, Glucopon®, Lutensol®, Dehypon[®], Disponil[®], Agnique[®]).

Our ingredients are mainly based on palm kernel oil. The C-chain distribution for palm kernel oil includes a high percentage of C12-14 chains. This composition is ideal for ingredients used in personal and Home Care applications. In contrast to the food industry - where the oil is basically kept intact - the oleochemicals industry converts the oil using chemical processes, such as fractionating it into different C-chain lengths and adding different functional groups, until the final function is obtained - usually a surfactant or an emollient. This derivatization includes at least five to ten individual technological steps before the final ingredient is achieved. This is one reason why the RSPO Mass Balance standard for oleo-derivatives used in personal and Home Care applications is the most common certification program right now. The RSPO Segregated standard would require keeping all those steps separate, resulting in a huge amount of complexity and subsequent costs.

NUTRITION & HEALTH

A key renewable raw material for numerous pharmaceutical excipients is palm kernel oil (PKO) and its respective derivatives. We are the first major supplier to offer 100% RSPO certified lipid-based excipients for the pharmaceutical industry. We offer the widest range of IPEC-GMP lipid-based excipients, suitable for topical and oral drug formulations. Our lipid-based RSPO-certified products include: a broad portfolio of emulsifiers, wetting agents, solubilizers, and cream bases that are used in a variety of oral and topical pharmaceutical applications (Kolliphor®); multi-functional solvents and emollients that enhance solubilization and skin penetration of some pharmaceuticals while offering a relatively benign mildness profile (Kollicream®); an extensive portfolio of structuring agents and lubricants that provide formulation stability, used in the development of numerous oral and topical dosage forms (Kolliwax®); and a product line comprised of versatile solvents functioning as solubilizers, plasticizers, lubricants, emollients, and skin penetration enhancers, ideal for both oral and topical applications (Kollisolv[®]).



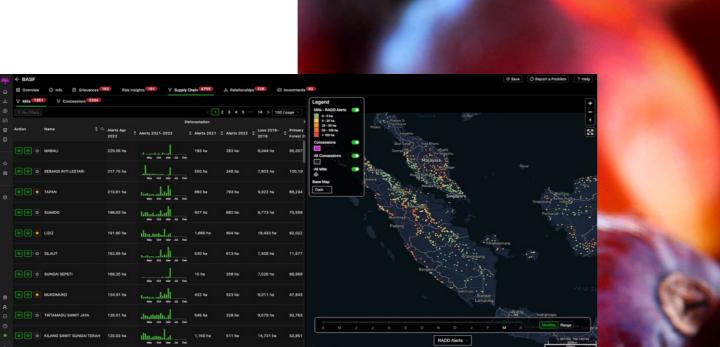


BASF has ties to **38** provinces in Indonesia and Malaysia

The physical market transformation based on the RSPOcertification is an important element on our journey toward sustainable palm. In addition, traceability is the tool which helps companies along the palm oil supply chain to identify the origin of the oil sourced. Knowing the potential mills and their locations makes it possible to identify and monitor if sustainable practices are adopted at the origination.

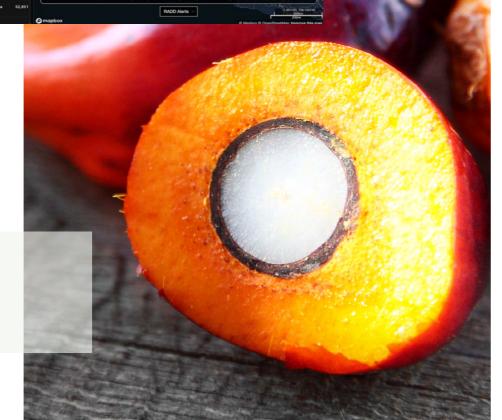
In 2023, we were able to trace 96.2 percent of our global palm footprint* of 296,000 metric tons back to the oil mill level. We source 81.7 percent of our traceable raw material from 10 provinces in Indonesia and Malaysia and have ties to 38 provinces in the two countries in total, correspronding to 97 percent of our traceable raw material supply. Beyond this, we are in the process of risk assessment of our sourcing based on environmental and social criteria. We have once again achieved full traceability for certified sustainable palm kernel oil originating from 418 RSPO-certified oil mills.





Source: palmoil.io

SATELLITE MONITORING



THE CHALLENGE

Like many derivative manufactures, BASF sources from hundreds of palm mills (~1,495) scattered along the equator. These mills source from thousands of plantations, ranging from large industrial concessions to smallholder farms. Interspersed between the plantations lie blocks of remaining rainforest, some of which is home to indigenous peoples and habitat for critically endangered species such Sumatran tigers and orangutans. The general challenge for the industry and for BASF is to monitor upstream suppliers and ensure that these remaining forests are not being cleared for new oil palm plantations – which would be a clear breach with BASF NDPE policy.

THE APPROACH – PALMOIL.IO

Since 2021, BASF has utilized the Palmoil.io web platform (https://palmoil.io) to track deforestation from plantations and link it to its suppliers. Palmoil.io brings together the critical ingredients for effective forest monitoring – forest alerts, high resolution satellite scenes, supplier relationships, grievance information along with an estimated traceability to plantation approach.

HOW IT WORKS

Palmoil.io organizes BASF's palm mills into a list and every month uses RADD forest alerts to monitor deforestation in proximity to the mill and within nearby concessions. Mills are sorted by various measures such as total hectares of alerts as well as historical deforestation and remaining forest. This helps BASF analyze not only which mills to prioritize but which concessions that they likely source from. Recent satellite imagery is also available to verify alerts and determine whether deforestation was likely caused by palm planting. To provide further context, Palmoil.io links mills and concessions to grievances lodged by watchdogs against major palm oil traders. Grievances cover not only alleged deforestation cases but also human rights violations, land and labor conflicts, and pollution. Palmoil.io monitors the grievance trackers of all major palm traders, documenting each case and filing them with each supplier. As BASF we review whether suppliers have been suspended, initiated forest clearing moratoriums, or published an NDPE policy.

STRUCTURAL REPORTS

Palmoil.io also produces monthly Risk Insight reports. The reports use high resolution imagery to document and map new deforestation. The report shows before and after satellite scenes of the loss, traceability from plantation to mill, and likely transport routes. It also determines whether the deforestation cause was smallholders or industrial clearance. Insights are published in a concise report that BASF sends to suppliers for further information and potential action plans to stop deforestation and to keep compliance with BASF NDPE policy.

CONCLUSION

Deforestation is an industry wide challenge requiring an industry wide effort for stopping it. As BASF, we believe in the obligation to contribute with our efforts for more sustainable palm, and we will continue to utilize tools and approaches helping us to be successful in this endeavor.

BASF HAS RSPO CERTIFICATION OF ITS PRODUCTION SITES IN ALL REGIONS - 25 SITES IN 2023

North America

- 1. Mauldin, South Carolina, USA
- 2. Cincinnati, Ohio, USA
- Mexico, Mexico З.
- 4. East Setauket, New York, USA

South America

5. Jacarei, Brazil

Europe

- 6. Antwerp, Belgium
- Ballerup, Denmark 7. 8. Boussens, France
- 9. Pulnoy, France
- 10. Düsseldorf, Germany
- 11. Cassina Rizzardi, Italy
- 12. Gebze, Turkey
- 13. Grenzach, Germany
- 14. Illertissen, Germany
- 15. Ludwigshafen, Germany
- 16. Burgbernheim, Germany
- 17. Meaux, France
- 18. Castellbisbal, Spain
- 19. Zona Franca, Spain
- 20. Utrecht, The Netherlands

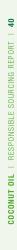
Asia Pacific

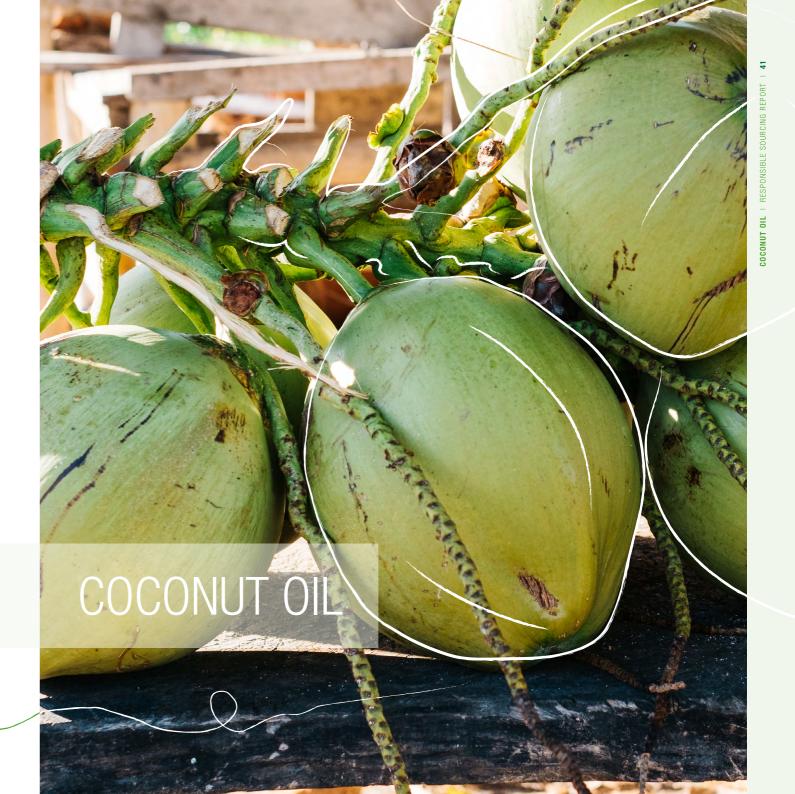
- 21. Jinshan, China
- 22. Kitatone, Japan
- 23. Muang Chonburi, Thailand
- 24. Cimanggis, Indonesia
- 25. Dahej, India











WE SOURCE RESPONSIBLY





PHILIPPINES AND INDONESIA ACCOUNT FOR 69% OF THE COCONUT OIL PRODUCTION

Source: Oil World annual 2023, Vol. 1, ISTA Mielke GmbH

Indonesia

India

11%

Philippines

%



COCONUT PRODUCTION



BACKGROUND

- More than 100 million people depend on coconut for their livelihood
- Coconut provides food and water, timber and leaves to build homes, and oil and copra for fuel and a source of income
- Coconut is planted mostly by low-income smallholders (95%)
- Due to disaggregated and complex value chain structures, farmers have limited access to market, finance and technical know-how
- Resilience and livelihoods of farmers can be positively impacted through collaborative transformation projects

SUSTAINABLE CERTIFIED COCONUT OIL (SCNO) PRODUCTION



higher income compared to farmers not participating in the project



smallholder coconut farmers have been trained in Good Agricultural and Farm Management Practices



A joint smallholder project of BASF, GIZ, Cargill and Procter & Gamble to introduce more sustainable and business-oriented farming practices and a chain of custody for the Rainforest Alliance Certified coconut oil

Duration: November 2015 – October 2019 BASF continues support of certified smallholders by sourcing Rainforest Alliance certified coconut oil.

Country: Philippines and Indonesia

Objective of the project was to increase the incomes and economic self-sufficiency of smallholder coconut farmers in the Philippines and Indonesia through support of sustainable certified coconut oil supply chain.

Together with the Rainforest Alliance, partners developed an innovative **Mass Balance** certification scheme.



WHAT IS THE RAINFOREST ALLIANCE



The Rainforest Alliance is an international non-profit organization working at the intersection of business, agriculture, and forests to make responsible business the new normal. The Rainforest Alliance is creating a more sustainable world by using social and market forces to protect nature and improve the lives of farmers and forest communities. It tackles the following issues...

OUR CORE VALUES



SUPPORTING PEOPLE AND NATURE...

EOPLE

... THRIVING TOGETHER WITH RAINFOREST ALLIANCE CERTIFIED INGREDIENTS



LIVELIHOODS

... contributing to lifting rural people out of poverty by improving sustainable livelihood opportunities for farmers, workers and their families.



CLIMATE

... training farmers to grow better crops using climate-smart agriculture, which help them mitigate and adapt to climate impacts.



FORESTS AND BIODIVERSITY

... promoting more sustainable land management practices to protect forests, biodiversity and natural resources. ... addressing human rights abuses like child and forced labor, low wages, poor working conditions and gender inequality.

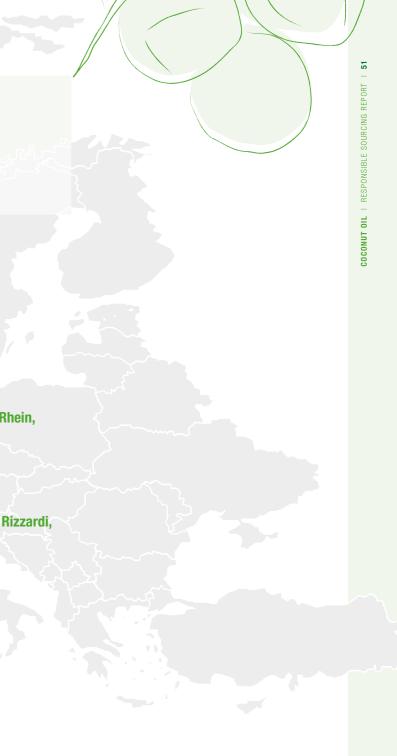
HUMAN RIGHTS



Monheim am Rhein, Germany

Cassina Rizzardi, Italy

Zona Franca, Spain









WHY SUSTAINABLE CASTOR?



> 90%

of the world's castor seeds produced in India in 2022 according to Oil World Annual 2023



million castor farmers in India

The demand for castor oil is steadily increasing. It contains ricinoleic acid which makes it an unique molecule and therefore an important ingredient for personal care products. The castor plant is indigenous to the southeastern Mediterranean Basin, Eastern Africa and India, and it requires a hot and dry climate with annual rainfall of 500 to 800 mm.

980,000

hectares of land dedicated to castor farming in India 2022 according to Oil World Annual 2023

47% of the weight of castor beans is captured as castor oil. The remainder is generally repurposed as fertilizer

The majority of the world's supply of castor seed is produced in India. Castor cultivation is linked with some challenges and risks, especially in India (see box).



PROJECT PRAGATI

To improve the working conditions of the farmers, create awareness for sustainable farming and increase yields due to more efficient farming practices, BASF partnered with Arkema, Jayant Agro-Organics Ltd. and the international civil society organization Solidaridad. Together they

SOCIAL RISKS

- Risk of child labor
- Insufficient labor and
- living standards
- Financial problems
- Deforestation

ENVIRONMENTAL RISKS

 Weather changes may lead to an instability of yield

Limited know-how in best

farming practices, soil

threat to biodiversity

protection and crop rotation >

HEALTH RISKS	SAFETY RISKS
 Physical problems from field work Toxicity risk of castor seeds (Contain ricin) Limited access to health care 	 Lack of personal protective equipment Limited know-how in safe and appropriate use of fertilizers and crop protection products



OUR PARTNERS PROJECT PRAGATI



Solidaridad ARK



JAYANT AGRO-ORGANICS LTD. Leadership through Innovation



PROJECT PRAGATI



FOCUSSING ON OBJECTIVES

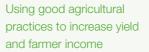
OBJECTIVE 1

Develop sustainability principles of sourcing of castor seeds which will guide and further allow castor producers to offer certified sustainable castor in the global market.

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FOCUSSING ON







Efficiently using water resources and maintaining soil fertility



OBJECTIVE 2

Improving productivity and sustainability in the castor supply chain in India, notably in Gujarat, thereby enhancing economic self-sufficiency and livelihoods of smallholder producers.



Driving adoption of good waste management practices



Enabling better health and safety practices, and respecting human rights



Success code

SuCCESS steands for Sustainable Castor Caring Environment & Social Standard code. It is designed by multiple partners and stakeholders to ensure the objective of the Project Pragati, to develop sustainability principles for castor seeds which will guide and further allow castor producers to offer certified sustainable castor in the global market. The SuCCESS code adopted 11 principles of ownership, by providing smallholders on-field support for ensuring monitoring and compliance with 41 mandatory and 25 non-mandatory control points. ASTOR OIL | RESPONSIBLE SOURCING REPORT | 59





KEY OUTCOMES 2023



BASF production site certified according to the SuCCESS code

>7,000

6000

personal safety kits and crop protection product storage drums have been distributed

over **7,000** ha

regularly farmed in accordance with the code





~ 21% ↓ lower water consumption

in the demo plots



of certified castor seeds were produced



Year 6 yield is 36%

higher than the yield published by the local government for this region







CERTIFIED SITES

Düsseldorf, Germany

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We are driving the market transformation toward certified, sustainably sourced castor oil. In 2023, we again sourced certified sustainable castor oil from the Pragati program after our Düsseldorf-Holthausen site in Germany became

Monheim am Rhein, Germany

the first chemical company in the world to be certified in 2021. The site supplies customers with certified sustainable castor-based products for the personal care industry.

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RESPONSIBLY ACTIVE BIOACTIVES FOR A POSITIVE FUTURE





BIOACTIVES FOR A POSITIVE FUTURE

Botanicals unlock the door to many of our cosmetic active ingredient innovations. The responsible use and protection of natural resources as well as support for communities involved are thus among our most important tasks. To live up to this responsibility while empowering people along the entire botanical value chain, we have set up the Responsibly Active program for our bioactive ingredients business in 2022. It aims to align all our actions towards more sustainable practices and includes clear targets and action plans for the coming decade. The program is based on three pillars, which include a focus on responsible sourcing of our raw materials.

TOGETHER WE ARE **RESPONSIBLY ACTIVE**



INNOVATING PRODUCTS THAT PROTECT NATURAL RESOURCES

We are responsibly active for our nature and its sustainable valorization.

EMPOWERING AND RESPECTING **PEOPLE ALONG OUR** VALUE CHAIN

We are responsibly active for people and the conditions in which they live and work.







REDUCING OUR CLIMATE IMPACT AND OPERATIONAL FOOTPRINT

We are responsibly active for our planet and its preservation.

INNOVATING PRODUCTS THAT PROTECT NATURAL RESOURCES

56%

58%

Because plants are at the core of our bioactives business, we seek to maximize the use of renewable resources and foster organic farming practices. Our dedicated initiatives respect and protect local biodiversity, while avoiding land degradation and deforestation along our supply chains. What's more, we are committed to sourcing all our botanicals sustainably and granting traceability to the source of every single one.

We have set ourselves ambitious targets for 2030 and have made important progress in the second year of our Responsibly Active program:

Our targets by 2030

- Botanical supply chains traceable to the source
 - 100%

95%

Raw materials that are biobased or from abundant minerals



Organic certified botanical supply chains

50%

Sustainably sourced botanicals



PHOENIX FROM THE ASHES: HOW EPISPOT™ HARNESSES THE POWER OF NATURE

Biodiversity is an irreplaceable source of innovation. That's why we make sure our products not only perform well, but are also responsibly sourced. Just like Epispot[™], our new ingredient for blemish-prone skin. Epispot is derived by water extraction from responsibly sourced and organically certified Epilobium angustifolium The plant has long been used in traditional herba medicine to treat a wide range of health issues, including digestive problems and skin irritations. It is also known as fire grass or phoenix flower because it thrives after forest fires and logging operations.

In the heart of French woodlands, skilled harvesters collect the plant by hand in its flowering stage. Since only the aerial parts are collected in accordance with good collection practices, the plant can regenerate the following year. The certified organic harvesting takes place at six different sites to ensure the conservation of the species through careful rotation.

READY TO MOVE FORWARD

In 2024, we look forward to further product innovations with supply chains in line with our Responsibly Active approach. We are also upgrading the supply chains of existing bioactives to improve traceability and agricultural methods. As we continue on this journey towards more sustainable practices, we invite everyone along our bioactives value chain to join us in shaping the future.

Together we are Responsibly Active







OUTLOOK

Raw materials are the starting point of our value creation. We want to use these resources efficiently and responsibly. We therefore take the protection of biodiversity and ecosystems into account when sourcing renewable raw materials and also include social factors such as working conditions and food security in our risk analyses. At the same time, we seek dialog with our stakeholders to identify conflicting goals. We will continue to take into consideration recognized certification standards in our decisions.

The COVID-19 pandemic, the loss of biodiversity, and the already noticeable effects of climate change are the current challenges facing governments and businesses. These global challenges have raised awareness of humanity's dependence on nature and ecosystems. Forests in particular play an important role in stabilizing the climate through their ability to absorb and store carbon dioxide from the atmosphere, regulate the water cycle and provide habitat for thousands of species. Recognizing that the European Union's consumption is a major driver of deforestation and forest degradation in the world, the European Commission, Council and Parliament agreed on a regulation to halt the degradation and deforestation of the world's forests. The legislation will enter into force on June 29, 2023, with a transition period of 18 months. The law is expected to be implemented by the end of December 2024. Cattle, cocoa, coffee, rubber, wood, soy (beans, oil and its fractions), oil palm, its fractions and major derivatives are included in the scope of the regulation.

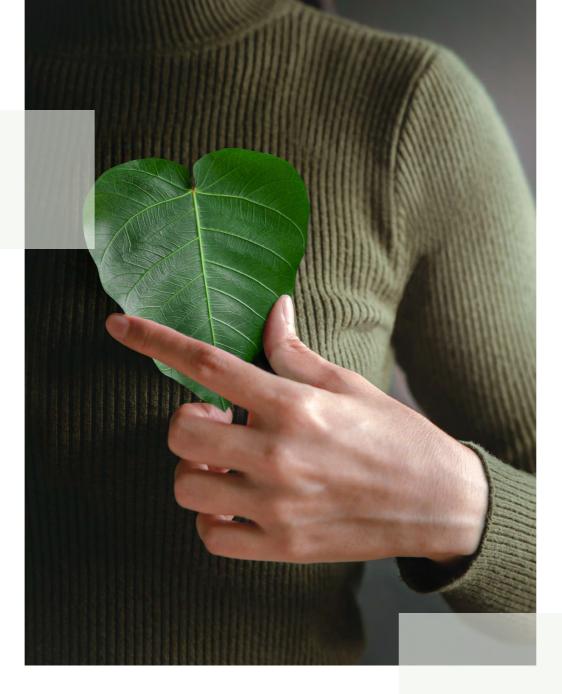
Main requirement of this regulation is a deforestation free due diligence declaration upfront to the import of commodities that are within the scope of this regulation. To do so, traceability to plot of land and the production period is requested. Cut-off date defined in this regulation is December 31, 2020. Member states need to translate the Regulation into national law. An important task for governments and industry will be to ensure that, by the implementation of this regulation, smallholders are not excluded from supply chains to Europe. In order to achieve this, collaboration with producing countries is key. That is why BASF is increasing its support of palm oil smallholder projects on the ground in the producing countries in 2024.

Also important to us is our biomass balance portfolio for which we source renewable raw materials that are certified according to recognized standards such as the organization for sustainably produced biomass REDcert. We use renewable feedstocks such as biomethane and bionaphtha in our Verbund as an alternative to fossil resources. The mass balance approach allows us to attribute the amount of certified sustainable and renewable raw materials used to a wide variety of Care Chemicals products. This results in a lower product carbon footprint of the biomass balanced product compared to the conventional BASF product. This approach will enable us to offer our customers even more certified sustainable products with a lower carbon footprint in the future.

FURTHER MATERIAL / LINKS

SUSTAINABLE CASTOR ASSOCIATION https://castorsuccess.org/

SUPPLIER CODE OF CONDUCT www.basf.com/suppliers



ACOP Annual Communication on Progress (RSPO)

CSR Corporate Social Responsibility

CSPO Certified Sustainable Palm Oil

CSPKO Certified Sustainable Palm Kernel Oil

FAO Food and Agriculture Organization of the United Nations PKO Palm Kernel Oil

FFB Fresh Fruit Bunches

FONAP Forum Nachhaltiges Palmöl (Sustainable Palm Oil Forum)

FPIC Free, Prior and Informed Consent

GAP Good Agricultural Practices

GRI Global Reporting Initiative

HCSA High Carbon Stock Approach

HCV High Conservation Value

GLOSSARY

NDPE

No deforestation, no peat development, and no exploitation

NGO Non-Governmental Organization

OECD

Organization for Economic Cooperation and Development

l Oil

PO Palm Oil

POIG Palm Oil Innovation Group

RSPO Roundtable on Sustainable Palm Oil

SCA Sustainable Castor Association

SuCCESS

Sustainable Castor Caring Environment & Social Standard

UN

United Nations

WHO World Health Organization

WWF World Wide Fund for Nature

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