







The Consumer Goods Forum's <u>Towards Net Zero</u> <u>Coalition</u> has developed a new resource to help retailers and manufacturers turn climate ambition into action

This collection is organized into six focused packets, each addressing a specific challenge identified by our members. Every publication offers practical guidance, real-world examples, and actionable insights to accelerate progress toward a more sustainable future

Designed for companies at any stage of their climate journey, this guide provides the knowledge and support needed to drive meaningful change





Where to start | Six key challenges, one common framework

Six key challenges identified by our members:



REDUCE

WASTE

tactics

FOOD LOSS &

Example activities

Shelf-life monitoring

Responsible promotion







For each key challenge, this publication provides the following resources:



Shared vision of the future



Overview and key insights



Regional considerations



Actions retailers should consider



Relative impact & feasibility



Case studies & additional resources

This documents highlights one are of focus. Refer to the full Action in Practice Guide for a comprehensive view across all six challenges

MERCHANDISE





Where to start | High-level impact and feasibility estimates can guide prioritization¹

ı	Impact			Scope for action ————————————————————————————————————			
Action area	Emissions reduction	Co-benefits (business, social, environmental)	Affordability	implementatio n	Public sector support	Degree of control	
Reduce deforestation	High	High	Medium	Low	High	Medium	
Enhance sustainable agriculture	High	High	Low	Medium	Medium	Medium	
Merchandise sustainable products	High	High	Medium	Medium	Low	High	
Reduce food loss	High	High	Low	Medium	Low	Medium	
and food waste	Medium	Medium	High	High	High	Medium	
Increase low-carbon energy	Low	Medium	Medium	High	Medium	High	
and low-carbon transportation	Medium	Low	Low	Medium	High	High	
Adopt circular or sustainable packaging	Low	Medium	Medium	Medium	High	Medium	

^{1.} The impact and feasibility estimates provided are relative assessments that evaluate each action area in comparison to the other areas in these materials. The ratings are based on high-level assessments of each action area as a whole and are not necessarily representative of each individual activity within a given area

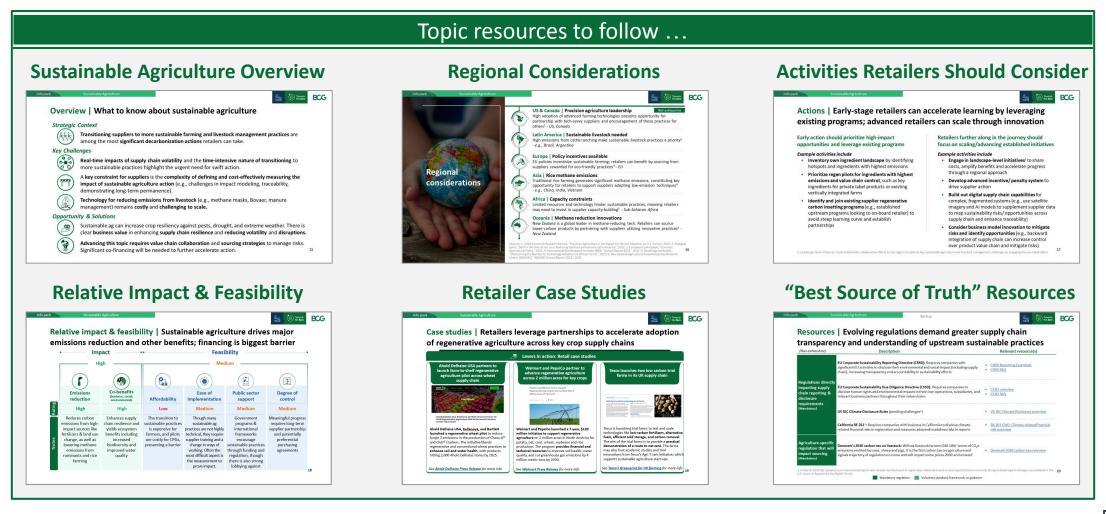
Enhance sustainable agriculture







Climate Action in Practice Guide | Preview of enhancing sustainable agriculture insights, resources, and activities to consider







Overview | What to know about sustainable agriculture

Strategic Context



Transition suppliers to sustainable farming and livestock practices, one of the most impactful decarbonization levers for retailers

Key Challenges



Balance short-term volatility with long-term regenerative goals, using long-term contracts to enable stable supplier collaboration



Measure agricultural impact without overburdening suppliers, addressing challenges in modeling, traceability, and long-term permanence



Scale emissions-reduction technologies in livestock, despite current cost and implementation challenges (e.g., Bovaer, methane masks, manure management)

Opportunity & Solutions



Build a sustainable agriculture roadmap to improve crop resilience (e.g., pests, drought, extreme weather) and reduce cost volatility over time



Engage suppliers to co-develop standards, share data, and de-risk investments in climate-smart sourcing strategies









US & Canada | Precision agriculture leadership

Not exhaustive

High adoption of advanced farming technologies presents opportunity for partnership with tech-savvy suppliers and encouragement of these practices for others¹ - US, Canada



Latin America | Sustainable livestock needed

High emissions from cattle ranching make sustainable livestock practices a priority² - e.g., Brazil, Argentina



Europe | Policy incentives available

EU policies incentivize sustainable farming; retailers can benefit by sourcing from suppliers rewarded for eco-friendly practices³ - EU



Asia | Rice methane emissions

Traditional rice farming generates significant methane emissions, constituting key opportunity for retailers to support suppliers adopting low-emission techniques⁴ - e.g., China, India, Vietnam



Africa | Capacity constraints

Limited resources and technology hinder sustainable practices, meaning retailers may need to invest in supplier capacity-building⁵ - *Sub-Saharan Africa*



Oceania | Methane reduction innovations

New Zealand is a global leader in methane-reducing tech. Retailers can source lower-carbon products by partnering with suppliers utilizing innovative practices⁶ - New Zealand

Sources: 1. USDA Economic Research Service, "Precision Agriculture in the Digital Era: Recent Adoption on U.S. Farms", 2022; 2. Dialogue Earth, "Beef in the time of net zero: Reducing livestock emissions in Latin America", 2022; 3. European Commission, "Common Agricultural Policy," 2022; 4. International Rice Research Institute (IRRI), "Annual Report 2021", 2021; 5. Brookings Institution, "Overcoming the Barriers to Technology Adoption on African Farms", 2022; 6. New Zealand Agricultural Greenhouse Gas Research Centre (NZAGRC), "NZAGRC Annual Report 2021", 2021





Actions | Early-stage retailers can accelerate learning by leveraging existing programs; advanced retailers can scale through innovation

Early action should prioritize high-impact opportunities and leverage existing programs

Example activities include

- Inventory own ingredient landscape by identifying hotspots and ingredients with highest emissions
- Prioritize regen pilots for ingredients with highest emissions and value chain control, such as key ingredients for private label products or existing vertically integrated farms
- Identify and join existing supplier regenerative carbon insetting programs (e.g., established upstream programs looking to on-board retailer) to avoid steep learning curve and establish partnerships

Advanced action should focus on scaling established initiatives

Example activities include

- Engage in landscape-level initiatives¹ to share costs, amplify benefits and accelerate progress through a regional approach
- Develop advanced incentive/ penalty system to drive supplier action
- Build out digital supply chain capabilities for complex, fragmented systems (e.g., use satellite imagery and AI models to supplement supplier data to map sustainability risks/ opportunities across supply chain and enhance traceability)
- Consider business model innovation to mitigate risks and identify opportunities (e.g., backward integration of supply chain can increase control over product value chain and mitigate risks)

Rating

Notes





Relative impact & feasibility | Sustainable agriculture drives major emissions reduction and other benefits; financing is biggest barrier



High



Emissions reduction

High

Reduces carbon
emissions from
high-impact sources
like fertilizers & land
use change, as well as
lowering methane
emissions from
ruminants and rice
farming



Co-benefits (business, social, environmental)

High

Enhances supply chain resilience and yields ecosystem benefits including increased biodiversity and improved water quality



Affordability

Low

The transition to sustainable practices is expensive for farmers, and pilots are costly for CPGs, presenting a barrier



Medium

Ease of implementation

Medium

Though many sustainable ag practices are not highly technical, they require supplier training and a change in ways of working. Often the most difficult aspect is the measurement to prove impact



Public sector support

Medium

Government programs & international frameworks encourage sustainable practices through funding and regulation, though there is also strong lobbying against



Degree of control

Medium

Meaningful progress requires long-term supplier partnership and potentially preferential purchasing agreements







Case studies | Retailers leverage partnerships to accelerate adoption of regenerative agriculture across key crop supply chains



Levers in action: Retail case studies

Ahold Delhaize USA partners to launch farm-to-shelf regenerative agriculture pilot across wheat supply chain



Ahold Delhaize USA, Kellanova, Bartlett Announce Farm-to-Shelf Regenerative Agriculture Pilot to Decrease Emissions Across Value Chain

Ahold Delhaize USA, Kellanova, and Bartlett launched a regenerative wheat pilot to reduce Scope 3 emissions in the production of Cheez-It® and Club® crackers. The initiative blends regenerative and conventional wheat practices to enhance soil and water health, with products hitting 2,000 Ahold Delhaize stores by 2025

See Ahold Delhaize Press Release for more info

Walmart and PepsiCo partner to advance regenerative agriculture across 2 million acres for key crops



Walmart and PepsiCo launched a 7-year, \$120 million initiative to support regenerative agriculture on 2 million acres in North America for potato, oat, corn, wheat, soybeans and rice production. The program provides financial and technical resources to improve soil health, water quality, and cut greenhouse gas emissions by 4 million metric tons by 2030

See Walmart Press Release for more info

Tesco launches two low carbon trial farms in its UK supply chain

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Tesco is launching trial farms to test and scale technologies like low-carbon fertilizers, alternative fuels, efficient cold storage, and carbon removal. The aim of the trial farms is to provide a practical demonstration of a route to net zero. The farms may also host academic studies and trial innovations from Tesco's Agri T-Jam initiative, which supports sustainable agriculture start-ups

See <u>Tesco's Greenprint for UK farming</u> for more info





Resources | Evolving regulations demand greater supply chain transparency and understanding of upstream sustainable practices

(Non-exhaustive)	Description	Relevant resource(s)
Regulations directly impacting supply chain reporting & disclosure requirements (Mandatory)	EU Corporate Sustainability Reporting Directive (CSRD): Requires companies with significant EU activities to disclose their environmental and social impact (including supply chain), increasing transparency and accountability in sustainability efforts	<u>CSRD Reporting Essentials</u><u>CSRD FAQ</u>
		CS3D overviewCS3D FAQ
	US SEC Climate Disclosure Rules (pending challenges¹)	US SEC Climate Disclosure overview
	California SB 261 ¹ : Requires companies with business in California to disclose climate-related financial risks in registration and measures adopted to address risks in reports	SB-261 GHG: Climate-related financial risk overview
Agriculture-specific regulation that will impact sourcing (Mandatory)	Denmark's 2030 carbon tax on livestock: Will tax livestock farmers \$40-100/ tonne of CO ₂ e emissions emitted by cows, sheep and pigs. It is the first carbon tax on agriculture and signals trajectory of regulations to come and will impact some prices 2030 and onward	• <u>Denmark 2030 carbon tax overview</u>
	Mandatory regulation Voluntary standard, framework, or guidance	

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Resources | Variety of frameworks and optional resources to support sustainable agriculture & livestock management (I/II)

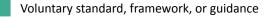
(Non-exhaustive)	Description	Relevant resource(s)
Frameworks and target-setting guidance (Voluntary)	OP2B Regenerative Agriculture framework: Promotes biodiversity, soil health, and reduced environmental impact through agroecological methods, lower chemical inputs, and integrated crop-livestock systems for long-term sustainability and resilience	 <u>Cultivating Farmer Prosperity: Investing in</u> <u>Regenerative Agriculture (BCG report in conjunction with OP2B)</u>
	SAI Platform: Works with the food & beverage industry to develop solutions for sustainable and regenerative agriculture, providing tools and programs to enable measurable progress	SAI Platform Programmes & Tools
	Regen10: Global multi-stakeholder initiative to support an inclusive regenerative and equitable food systems transition	 Regen10 Farmer-Centric Outcome-Based Framework
Certification standards (Voluntary)	Organic certification is offered by numerous certifying bodies globally and is widely recognized by consumers. Organic agriculture is input-based, avoiding synthetic fertilizers and pesticides, but can require more land and resources, potentially leading to unintended negative environmental impacts	 Rising Consumer Demand Reshapes Landscape for U.S. Organic Farmers
	Regenerative and Biodynamic certifications cover a range of food products and are typically more stringent than Organic certification, which focuses on input restrictions. In contrast, Regenerative certifications are outcome-based, prioritizing soil and ecosystem restoration	 Regenerative Organic Certified labeling guidelines Demeter (primarily in Europe)
	Commodity-specific standards address the unique context of raising and growing certain animal and plant products	 American Grassfed (beef) Land to Market (meat, produce) Sustainable Rice Platform (SRP)
Funding /incentive programs (Voluntary)	NRCS Environmental Quality Incentives Program: Provides financial and technical assistance to agricultural producers for implementing conservation practices	• EQIP Fact Sheet
	Mandatory regulation Voluntary standard, framework, or guidance	





Resources | Variety of frameworks and optional resources to support sustainable agriculture & livestock management (II/II)

(Non-exhaustive)	Description	Relevant resource(s)
Business guidance (Voluntary)	Several resources exist that provide actionable guidance and recommendations for enhancing sustainable agriculture & livestock management at the corporate level	 Recipe for Transformation: Embedding sustainability across food+beverage business functions (Quantis report) Scope 3 Action Agenda for the Agrifood Sector (Quantis publication) Regenerative Agriculture: Bridging the disconnect between corporates and farmers (Quantis webinar)











How to become the next changemaker:

1 Explore practical resources to tackle key sustinabaility challenges

Connect with our experts to accelerate your sustainability journey

3 Join the CGF to collaborate with industry leaders and drive positive change

