



SUSTAINABLE DEVELOPMENT GOALS



Impact Assessment

Updated June 8, 2023

Nutrien[™]
Feeding the Future[™]

PROVIDING SOLUTIONS FOR A GROWING WORLD

By 2050, we'll need to grow food for approximately 10 billion people. That's why we're **raising expectations on what an agriculture company can be**. From the bottom of the mine to the top of the grain bin, our employees around the world are committed to sustainably feeding the future.

The United Nations [Sustainable Development Goals](#) (SDGs) bring the world together to address 17 global challenges. By leading the industry, we aim to drive **SDG 2: Zero Hunger** through sustainable and productive agriculture.

The agriculture sector has always had a deep commitment to stewardship. Growers rely on the land, air, and water to support their operation and livelihood. There is great pride in each and every harvest and that's only possible by balancing prosperity with social and environmental factors.

The deep roots of stewardship are integrated into how we do business as well. Our products, services, and digital technology offer opportunities to increase crop yields, on the same amount or less land, with optimal input use. In addition to stewardship, new solutions are needed to address climate change and ensure farms are more resilient to changing and extreme weather.

The SDGs are inherently about systems solutions. It's important to understand the connections between sustainably feeding our growing population with healthy, nutritious, safe, and affordable food; and the importance of sustainably using crop inputs such as fertilizers and crop protection along with other advancements in technology and regenerative practices. Productivity and sustainability are inextricably linked as SDG 2 indicates. We need to address climate change without threatening food production.

Feeding a growing population with environmental solutions will require global collaboration. We are working with communities, employees and all our other stakeholders across our value chain to build a sustainable pathway forward.

Priority Engagement

Nutrien took great care in identifying our SDG priorities. We selected priority indicators that were the most relevant to our stakeholders, and the extent to which a topic can be influenced by Nutrien. We understand our efforts impact many indicators through our daily business and value chain; however, these are our most significant risks and opportunities:



Level 1: Purpose. This SDG directly impacts Nutrien's core business of sustainable agriculture and is connected directly to our Purpose. Our efforts extend across our company and value chain. Ambitious commitments have been set related to the goal indicators.



Level 2: Commitments. These SDGs have significant environmental or social impact and are relevant to Nutrien's operations and represent a high interest for our stakeholders. Transformational commitments have been set to help advance specific indicators.



Level 3: Foundations. These SDGs drive strong foundations in our environmental, social and governance (ESG) performance such as integrity, responsible supply chain and safety. Many indicators have direct or indirect ties to our operations and product life cycles.

Systems-based Approach


Nutrien continues to assess our SDG influence across our value chain to mitigate negative impacts and strengthen positive impacts.

We know the world can't solve for one SDG without influencing another – that's why we have taken **a systems-based approach to transform agriculture**.

Our purpose is *Feeding the Future*. Join us on our journey.



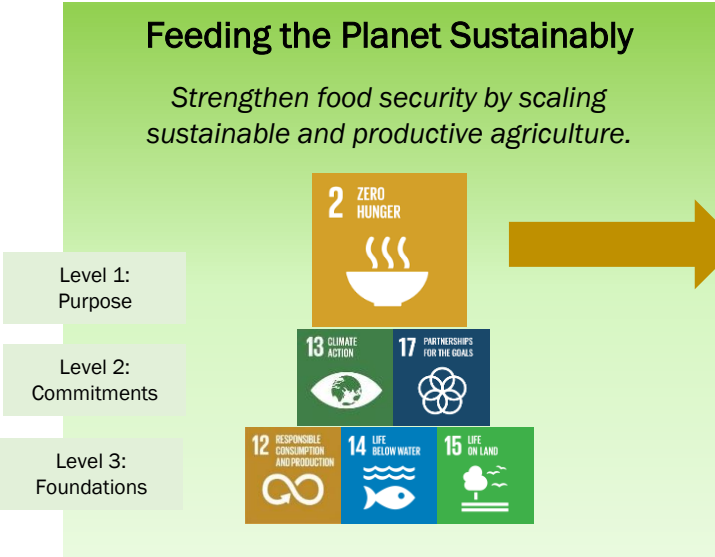
Sustainability Focus Areas & Strategic SDG Alignment



10
Billion People to Feed
by the year 2050

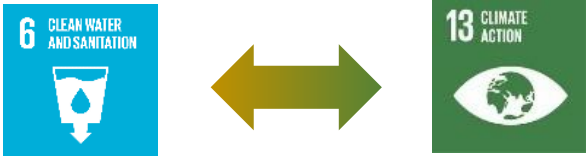
At Nutrien, our sustainability strategy is integrated throughout the company and how we interact with our communities.

We address our most material environmental, social and governance (ESG) risks while providing solutions for a growing world.



Priority Focus: SDG 2.4:
By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.

SDG Indicator 2.4.1: Proportion of agricultural area under productive and sustainable agriculture.

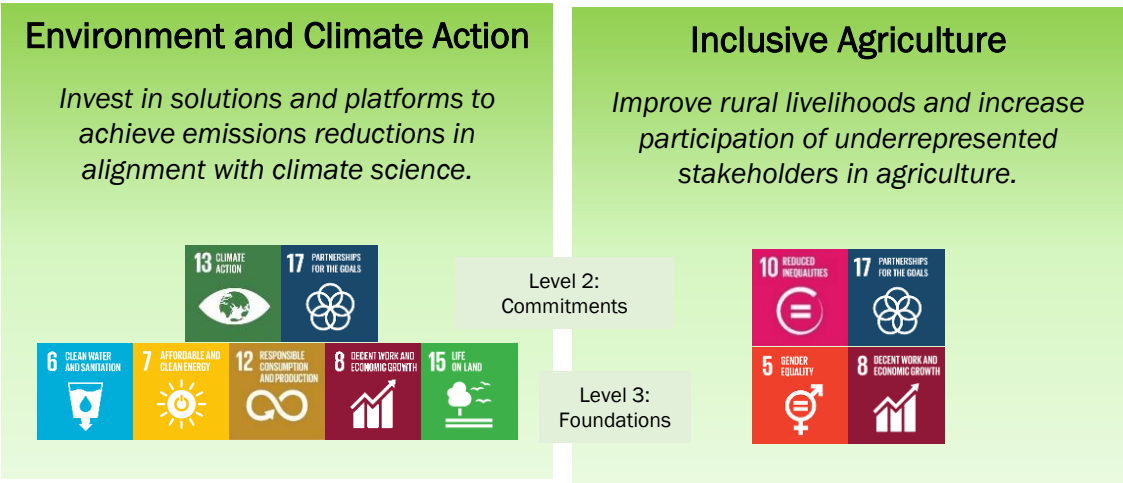


SYSTEMS-BASED APPROACH EXAMPLE:
End hunger and address climate change

SDG Indicator 13.2.1: Lower greenhouse gas emissions in a manner that does not threaten food production (SDG 2.4)



Opportunity: Natural climate solutions and soil carbon sequestration on agricultural land.

Fact: Soils are the largest terrestrial pool of carbon and could store up to 1.85 gigatonnes of carbon each year, equivalent to the amount produced by all of global transport (Cho, 2018)¹.





SDG EVALUATION BY PRIORITY INDICATORS

Level 1: Purpose

<div></div> <div>United Nations SDG Goal 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture</div>	United Nations SDG Indicator	Challenges	Opportunities
	<p>2.4 By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality</p> <p>2.4.1 Proportion of agricultural area under productive and sustainable agriculture</p>	<p>Between 25 and 40 percent of the world’s potential crop production is lost annually because of weeds, pests and diseases! There is never a one-size fits all solution for agriculture because of the significant differences in agronomic variables not only by country or region but even from one field to the next and from one growing season to another. Understanding elements such as soil health, nutrients, water, weather, emissions, seeds, chemicals, pests, insects, weeds, biodiversity, laws, policies, and consumer preferences are all factors that must be considered.</p> <p>Growers operate independently of Nutrien; as a result, we can make recommendations and provide support, but we do not make the final on-farm decisions. Tracking sustainable acres with our digital tools relies on customer participation.</p>	<p>Feeding a growing population requires the agriculture sector to be a sustainable producer. We offer growers whole-acre solutions that consider a production acre to be a managed resource 365 days a year. We help growers develop year-round farming plans that include customized products and services, incorporate on-farm cultural practices, and provide options to implement new farm technologies, that can lead to measurable and sometimes verifiable environmental outcomes.</p> <p>SDG 2.4 is aligned to Nutrien’s purpose and vision. As the world’s largest provider of crop inputs and services we enable growers to sustainably feed the world. We are also the world’s largest provider of crop inputs and services to more than 500,000 grower-customers around the world.</p> <p>Sustainable agricultural production supports the global food system and enhances grower resilience and prosperity. Crop input management, regenerative and precision practices can improve soil health, carbon sequestration, nutrient-use efficiency and water retention while conserving and restoring nature. As a result, crop yields increase, which further builds soil organic matter and reduces the pressure to convert additional land to food production.</p> <p>There is another way to look at how sustainable agriculture helps end hunger and that’s from a nutrient level. Micronutrient-enriched fertilization, which involves using a specific nutrient that plants can accumulate in small quantities such as zinc and that also boosts human health, is considered one of the most promising ways to fight malnutrition and alleviate nutrient deficiencies worldwide. This process of increasing nutritional value of crops is also known as biofortification.</p> <p>Our international expertise brings customized, whole-acre solutions to the local grower. We enable growers to deliver higher crop yields while providing benefits from the adoption of sustainable products, services and practices.</p> <p>Our team of over 4,000 agronomists and field experts provides advice on best management practices such as environmental farm plans, leveraging 4R Nutrient Stewardship, integrated pest management plans, conservation tillage or no-till, cover crops, and crop rotation. We provide over 2,000 proprietary products including those that enhance sustainability practices and value-added services including custom application and soil and tissue sampling. In addition, our digital hub provides historical and real-time information, grower-specific analytics, and performance measurements to help growers make informed decisions.</p> <p>Nutrien’s sustainable agriculture approach aligns with the United Nations Food and Agriculture Organization (FAO) principles to increase productivity while protecting natural resources and enhancing grower resilience. Productive and sustainable agriculture is enabled by regenerative practices and precision agriculture and has the following dimensions: 1) <i>Increased crop input efficiency and increased output per acre</i>, 2) <i>increased farm income</i>, 3) <i>improved soil and water outcomes</i>, 4) <i>bio-diversity supportive practices</i>, and 5) <i>increased resilience to extreme weather</i>.</p>
	Examples of Initiatives	Commitments and Targets	<div> ESG Report/Grower Solutions/Community Relations</div>
	<ul style="list-style-type: none">❖ Nutrien’s Carbon Program (SDG 2, 6, 13, 14, 15) empowering growers and our industry to accelerate climate-smart agriculture and soil carbon sequestration while rewarding growers for their efforts.❖ In 2022, Nutrien supported almost 200 food-related organizations. By collaborating with our local charities, we were able to help them get food to tables, even under the most difficult circumstances.❖ We support charities who are educating youth on how to grow food such as Nutrients for Life (USA and Canada) and Agriculture in the Classroom Little Green Thumbs.❖ We are proud to partner on international collaborations that advance agricultural research and extension services such as Africa 4R Solution and Global Institute for Food Security in SK, Canada.❖ Nutrien’s Trinidad Model Farm and Agricultural Resource Centre in Trinidad continues to provide training and support for hundreds of smallholder farmers and students annually, in order to improve their skills as food producers and farm business owners	<ul style="list-style-type: none">❖ Enable growers to adopt sustainable and productive agricultural products and practices on 75 million acres globally by 2030.❖ By 2030, launch and scale a comprehensive Carbon Program,❖ Donated over \$33 million in 2022 to over 3,000 community partners. Sustainable agriculture and food solutions is one of our priority focus areas considered when making strategic investments.	




Level 2: Commitments

 <p>United Nations SDG Goal 10: <i>Reduce inequality</i></p> <p>Nutrien focusses on the agricultural industry and our operations.</p>	United Nations SDG Indicator	Challenges	Opportunities
	<p>10.2 By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status</p> <p>10.3 Ensure equal opportunity and reduce inequalities of outcome, including by eliminating discriminatory laws, policies and practices and promoting appropriate legislation, policies and action in this regard</p>	<p>Agriculture as a whole must ensure Equity, Diversity & Inclusion (EDI) is communicated and welcomed to ensure the best talent is attracted and retained. Innovation and progress come from EDI and new solutions will be required to feed the world with less. Across our operations we must ensure the adoption of EDI, globally in all of our divisions.</p>	<p>Our ambition is to create a Nutrien where our people, customers, suppliers, partners and communities feel welcome and are treated fairly, and we deliver value for all. Giving equal access and opportunities to all people to work under fair and equitable conditions is a moral imperative. We recognize that a focus on diversity without equity and inclusion is not enough. We aim to develop respectful and positive relationships with our stakeholders and contribute positively to society. We are challenging ourselves to make Equity, Diversity and Inclusion ("EDI") a natural part of how we think and work. We commit to a Nutrien where we all belong and together we all grow.</p> <p>We are developing a global EDI strategy for sustainable EDI success and plans that aligns with operating segment and local area objectives. We combine the use of data-driven insights with a human-centric approach to EDI that emphasizes employee experience, purpose and belonging, and enhances external partnerships and opportunities across our value chain. This transformation spans the breadth of our organization, brand, culture, processes, recruitment, reward and performance management, as well as inclusive and accessible working facilities, supported by technology.</p> <p>Nutrien believes our supply chain should be as diverse as the communities we serve. Our goal is to give diverse suppliers and their communities the opportunity and support they need to thrive as vital contributors to Nutrien's success. For more information, please see our Supplier Diversity. With a large operating base in Canada, we strive to contribute to closing the gaps faced by Indigenous Peoples. Nutrien's Indigenous Content Playbook provides guidance on how Nutrien incorporates Indigenous participation and content into our business practices and supply chain.</p> <p>We also go beyond our own supply chain and create economic prosperity and a more inclusive agriculture sector through partnerships and advocacy for inclusion. Across the industry, there is a need for bold leadership and new opportunities are required to help stakeholders impacted by historical inequities and disparities in agriculture. Nutrien's investments in cutting-edge agriculture technology bring new solutions to improve practices, products and services. In Nutrien's assessment of new opportunities, we will seek to partner with businesses and start-ups that not only deliver exceptional value but bring a commitment to meaningful contributions to EDI efforts. Leveraging innovation for inclusion is a new initiative and Nutrien is currently exploring how to effectively measure and assess impact.</p> <p>Inclusive agriculture means we can deliver a future where every grower has the capital needed to grow. It is important that grower financing encompasses a more holistic view of balancing social, economic and environmental outcomes. Transformative and inclusive financing can help growers overcome barriers. Potential barriers include access to capital, technology and services, among others. Challenges can be multi-faceted and complex and new levers and opportunities are required to accelerate change.</p>
	Examples of Initiatives	Commitments and Targets	<p> ESG Report/Equity, Diversity, and Inclusion/Responsible Supply Chain Supplier Diversity Statement Equity, Diversity and Inclusion</p>
<ul style="list-style-type: none"> ❖ In 2022, inclusion was elevated from a guiding principle to a core value at Nutrien. ❖ Partnered with Radical Growth on an Inclusion Challenge for ag-tech entrepreneurs committed to EDI. We invested \$500,000 in two ag-tech start-ups. ❖ Our National Black MBA Association partnership promotes academic and professional advancement for minorities in agriculture and related fields. ❖ Continued partnership with diverse grower groups such as the National Black Growers Council. ❖ In Canada, we provide mentorships, internships and skills training for Indigenous Peoples and training to our employees about Indigenous History. View our Indigenous Supplier Playbook here. ❖ Our Employee Resource Groups (ERGs) offer support for men, women, women in non-traditional environments and roles, black, LGBTQ+, young professionals and military. ❖ At our corporate office in Calgary, we offer private rooms for prayer, nursing, medical care or resting. ❖ Women in Nutrien (WIN) Network. ❖ Nutrien EDI Center of Excellence. ❖ Nutrien Global Inclusion Council. ❖ We conduct employee surveys and have an Integrity Helpline, as one of the speaking up methods, to allow for confidential, non-retaliatory reporting to ensure we are addressing any inequalities and concerns in the company. ❖ Policies such as Code of Conduct, Supplier Code of Conduct and Respect in the Workplace Policy. ❖ Financial support of community organizations supporting women and girls as well as other under-represented populations. 			









United Nations SDG Goal 13:
Take urgent action to combat
climate change and its impacts

United Nations SDG Indicator	Challenges	Opportunities
13.2.1: Integrated policy/strategy/plan which increases their ability to adapt to the adverse impacts of climate change, and foster climate resilience and low greenhouse gas emissions development in a manner that does not threaten food production	The manufacturing of nitrogen fertilizer accounts for approximately 95 percent of our total direct (Scope 1) and indirect (Scope 2) emissions. While the Haber-Bosch process of producing nitrogen fertilizer is one of the most important innovations for food and agriculture, it is an industrial chemical reaction that presents unique challenges when it comes to reducing emissions. Direct emissions are generated on site, primarily from natural gas feedstock in nitrogen production. Indirect emissions are from the off-site generation of purchased electricity, steam and heat.	<p>Agriculture can lead climate action. The potential impacts from climate-related risks are significant to Nutrien and have been identified as a top ESG concern by our stakeholders. We are focused not only on reducing the carbon footprint of our fertilizer production (primarily nitrogen), but also partnering with growers to sustainably increase crop yields while reducing in-field GHG emissions and sequestering more carbon in the soil.</p> <p>Nutrien's Feeding the Future Plan includes our commitment to reduce our GHG emissions and helps address our key climate-related risks, as well as taking advantage of climate-related opportunities. The commitments cover our GHG emission value chain with a focus on decreasing emissions directly related to our operations while supporting growers with products and services that help reduce their in-field emissions and store more carbon in their soil. As a diversified company both globally and in the products and services we sell, making these commitments further supports our resiliency and is intended to drive long-term value for all stakeholders. To learn more read Nutrien's Feeding the Future Plan. Our commitments reflect three climate-related areas of focus:</p> <p>Enabling climate resilience at the farm level: By helping growers focus on sustainable agriculture, we reduce their exposure to impacts from climate change by supporting the adoption of practices that increase soil health and crop resilience to extreme weather events.</p> <p>Reducing emissions from operations: We have a 30 percent targeted reduction in operational GHG emissions intensity by 2030 from a baseline year of 2018. To achieve this target, we estimate capital investment requirements of more than \$500 million by 2030. Going forward, we may deploy additional emissions abatement projects as the compliance landscape evolves and the direct and indirect costs of carbon as well as attractive opportunities to our business justify incremental capital investment. Targeting emissions reduction also addresses a key transition risk in our fertilizer operations related to regulations and existing and potential regional carbon taxes.</p> <p>Supporting sectoral decarbonization and global goals: Nutrien is committed to GHG emissions reduction and supports the goals of the Paris Agreement. This is demonstrated through our commitment to the Science Based Targets initiative ("SBTi"). To set a science-based target, Nutrien has engaged with the WBCSD and industry peers to develop a Sectoral Decarbonization Approach ("SDA"). An SDA is one of three possible methods for setting a science-based target. The role of nitrogen in food production, soil health and optimizing land use are unique attributes differentiating nitrogen fertilizer manufacturing from other chemical industries and need to be considered as part of the SDA process. Nutrien is also actively analyzing a pathway for low-carbon nitrogen fertilizer production.</p> <p>Climate Governance and Risk Management: We have used the TCFD recommended disclosures to report on our climate strategy and performance. To read about our climate governance and risk management.</p> <p> ESG Report/Climate Change/Grower Solutions</p>
Examples of Initiatives	Commitments and Targets	
<ul style="list-style-type: none">❖ Nutrien has several projects to reduce emissions by mitigating Nitrous Oxide (N₂O) emissions from nitric acid production, as well as improve energy efficiency and emissions performance across our manufacturing facilities.❖ We are exploring multiple opportunities for the responsible development of low-carbon fertilizers. Our near-term focus is on economically maximizing carbon capture, utilization and storage ("CCUS") using existing infrastructure and supporting the growth of Nutrien's leading low-carbon/clean ammonia production. As of 2022, Nutrien has annual production capability for approximately 1 million tonnes of low-carbon at our Geismar, Redwater and Joffre Nitrogen facilities.❖ We have joined a joint industry study for ammonia as an alternative marine fuel. Nutrien continued its partnership with EXMAR to explore developing an ammonia-fueled vessel utilizing low-carbon ammonia from our Geismar, LA facility.❖ Nutrien continued its partnership with the US Department of Energy ("DOE") and other industry partners to develop a clean ammonia plant with technology developed from the Renewable Energy to Fuels Through Utilization of Energy-Dense Liquids ("REFUEL") program.❖ Nutrien's Carbon Program (SDG 2, 6, 13, 14, 15)	<ul style="list-style-type: none">❖ By 2030, achieve at least a 30 percent reduction in greenhouse gas (GHG) emissions (Scope 1 + 2) per tonne of our products produced, from a baseline year of 2018.❖ By 2030, invest in new technologies and pursue the transition to low-carbon fertilizers, including low-carbon and clean ammonia.❖ By 2030, launch and scale Nutrien's Carbon Program.❖ Reduce GHG emissions in nitrogen production by one million tonnes CO₂e by the end of 2023.❖ Deploy self-generated wind and solar energy at four potash facilities by the end of 2025 (see SDG 7).❖ Our disclosures align with the Task Force on Climate-related Financial Disclosures (TCFD).❖ We have committed to setting science-based targets in alignment with Science Based Targets initiative (SBTi).	







<div> <div>17 PARTNERSHIPS FOR THE GOALS</div>  </div> <p>United Nations SDG Goal 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development</p>	United Nations SDG Indicator	Challenges	Opportunities
	<p>17.16 Enhance the Global Partnership for Sustainable Development, complemented by multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology and financial resources...</p> <p>Examples of Initiatives</p> <ul style="list-style-type: none"> ❖ Partner in Africa 4R Solutions providing training, resources and financial aid for 80,000 smallholders. ❖ Partnerships with Indigenous communities including the Saskatoon Tribal Council (STC). ❖ Member of World Business Council for Sustainable Development (WBCSD), Global Compact Network Canada (GCNC), and founding member of Alberta SDG Network. ❖ Community partner in youth education prompting the SDGs including: Journey 2050, Farmers 2050 and Global Hero. ❖ Nutrien's Carbon Program. ❖ Nutrien collaborates with charitable, non-profit, academic and civic organizations to support a broad spectrum of stakeholders. 	<p>Navigate complex and disaggregated regulatory frameworks that mandate and incentivize different environmental practices related to farming (SDG 2).</p> <p>Commitments and Targets</p> <ul style="list-style-type: none"> ❖ Donated over \$30 million in 2022 to over 3,000 community partners. ❖ Employees volunteer at least 25,000 hours, by 2025. ❖ Host quarterly education and training on cybersecurity for our community partners and stakeholders. 	<p>Nutrien works with others to create shared-value partnerships. We encourage ongoing collaboration, sharing of information and pooling of resources for collective efforts. Many partnerships are long term and go beyond one-off funding, instead spearheading opportunities that create world-changing impact.</p> <p>For example, as discussed in SDG 13, we are partnering with industry peers to create a sectorial decarbonization approach for climate change; and have a comprehensive Carbon Program that brings value-chain partners together to support growers in soil carbon sequestration and carbon credit transactions.</p> <p>We also collaborate with over 3,000 community partners to advance our sustainability and community focus areas.</p> <p> ESG Report/Community Relations</p>

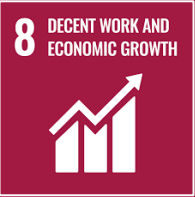



Level 3: Foundations

<div> <div>5 GENDER EQUALITY</div>  </div> <p>United Nations SDG Goal 5: Achieve gender equality and empower all women and girls</p>	United Nations SDG Indicator	Challenges	Opportunities
	<p>5.1 End all forms of discrimination against all women and girls everywhere</p> <p>5.5.2 Proportion of women in managerial positions</p> <p>Examples of Initiatives</p> <ul style="list-style-type: none"> ❖ Radical Growth Inclusion Challenge. ❖ Nutrien EDI Center of Excellence. ❖ Nutrien Global Inclusion Council. ❖ Employee Resource Groups (ERGs). ❖ Provide engagement and financial support for women's professional development through organizations such as Aspire to Grow Conference, Women in Mining, and Women in Nuclear Saskatchewan Inc., and Women in Agribusiness. ❖ Nutrien Academy is a leadership development program to build business competency in women at junior levels of the organization. ❖ In 2022, inclusion was elevated to a core value at Nutrien ❖ Policies. 	<p>Mining and retail operations have historically hired more male agricultural professionals.</p> <p>Commitments and Targets</p> <ul style="list-style-type: none"> ❖ Women comprise no fewer than 30 percent of the Board of Directors (maintain annually). ❖ 30 percent women in leadership (director and above) by 2025. ❖ EDI is a focus area in our Community Donations to help direct our investments to initiatives supporting women, girls and LGBTQ2S. 	<p>Nutrien provides a safe and respectful work environment for our employees. We support gender equality and empower women throughout our organization. This is table stakes for us. We also leverage our size to reinforce the value of EDI in the industry.</p> <p>Nutrien's EDI actions are guided by our Code of Conduct, Inclusive Workplace Commitment and Respect in the Workplace Policy. Our global Inclusion Council of senior operational and functional leaders from each operating segment and geography is sponsored by our President & CEO. We build inclusion capabilities internally through training and educational resources, leadership development and our Employee Resource Groups.</p> <p>We are committed to a Nutrien where we all belong and, together, we all grow. Inclusive agriculture is a primary focus area in our Feeding the Future Plan. In 2022, we evolved our approach and launched a new Strategic Inclusion Plan to focus on our unique opportunities across our global operations and value chain to achieve equitable outcomes, address gaps and disparities.</p> <p>See SDG 10 for additional details on our EDI efforts.</p> <p> ESG Report/Equity, Diversity, and Inclusion Equity, Diversity and Inclusion</p>







<div><div><div>6</div><div>CLEAN WATER AND SANITATION</div><div></div></div><div>United Nations SDG Goal 6: Ensure availability and sustainable management of water</div></div>	<div>United Nations SDG Indicator</div> <div>6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally</div> <div>6.4: By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity</div> <div>6.6 By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes</div>	<div>Challenges</div> <div>Water is an essential component to our operations and is essential for our grower customers. Changes in reliability of supply (due to quality and quantity issues) can impact the entire value chain.</div> <div>Agricultural product runoff can lead to eutrophication and hypoxic water conditions. Historically, wetlands have been converted, altered, or removed in urban and agricultural areas, yet they are increasing.</div>	<div>Opportunities</div> <div>Nutrien works diligently to ensure our responsible use of fresh water. Our primary uses of water are for producing nutrients, such as milling in mining operations, steam generation and process cooling at our fertilizer production facilities. Water is also used to produce some of our liquid products. The majority of our fertilizer production facilities use freshwater resources (for example, rivers or groundwater) to supply the water needed for operations. At some locations we use alternative water sources, including gray water or ocean water. We recycle water where possible to reduce freshwater use and increase production efficiencies.</div> <div>Nutrien is committed to improving our water stewardship performance by using best practices found within the Alliance for Water Stewardship International Water Stewardship Standard. We use global thinking to make plans at regional levels and support local action to make a difference across the agricultural community. By taking a management approach to water resources we find local, basin-specific outcomes that efficiently optimize water use in each watershed where we operate, such as collection and treatment of onsite stormwater or process water treatment and reuse. Nutrien’s environmental management system is designed to ensure compliance with all applicable laws pertaining to water use and discharge and we report discharges to surface water annually in our ESG Report. We aim to increase water use efficiency at our facilities to reduce costs and potential impacts.</div> <div>Our whole-acre grower solutions include a full suite of products, services and solutions to address water management as part of sustainable agriculture and water stewardship. Given climate change and growing competition for water resources amid increasing water scarcity, finding opportunities to make agriculture more water efficient, and building resilience in cropping systems are key.</div> <div>Our Community Relations and Investment team builds shared-value partnerships with conservation groups for environmental protection, remediation, and conservation initiatives. For example, our Ducks Unlimited Canada donation for wetland restoration helps filter nutrients, protect biodiversity and mitigate flooding across the western provinces.</div> <div> ESG Report/Water Stewardship</div>
	<div>Examples of Initiatives</div> <div><ul style="list-style-type: none">❖ Partnered with The Water Council to pilot the Corporate Water Stewardship Accelerator. In 2022, Nutrien became one of the first companies to achieve external verification for the WAVE program.❖ Alliance for Water Stewardship International Water Stewardship Standard leveraged to think globally, plan regionally, act locally. We have completed a site water balance and made significant efforts to optimize and reuse water where feasible.❖ Nutrien joined ALUS and others to launch the Lake Winnipeg Water Stewardship Project. This project is expected to mitigate water-related risk, build farm resilience and enhance value for stakeholders and communities in the Lake Winnipeg basin.❖ In 2009, \$1,150,000 Cdn donation to Ducks Unlimited Canada for wetland restoration. Our donation continues to restore wetlands in 2023.❖ Nutrien’s Carbon Program (SDG 2, 6, 13, 14, 15)</div>	<div>Commitments and Targets</div> <div><ul style="list-style-type: none">❖ Completed a watershed risk assessment of our production sites in 2021❖ Reduce annual freshwater use in current operations at higher-risk and higher-use manufacturing facilities by 3.0 million cubic meters by 2025, which cumulatively is expected to reduce freshwater use by 30 million cubic meters by 2030.❖ Collaborate with partners in and outside of our supply chain to achieve water stewardship outcomes through sustainable agricultural solutions.❖ Environmental stewardship is a focus area in our Community Donations.</div>	
<div><div><div>7</div><div>AFFORDABLE AND CLEAN ENERGY</div><div></div></div><div>United Nations SDG Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all</div></div>	<div>United Nations SDG Indicator</div> <div>7.3 By 2030, double the global rate of improvement in energy efficiency</div>	<div>Challenges</div> <div>Initial cost to implement clean energy may be higher than current practices and the maintenance of these sources may be unknown.</div>	<div>Opportunities</div> <div>Energy use is especially important in our manufacturing operations and we are committed to continuous improvement. We intend to reduce the direct GHG emissions from our manufacturing facilities and the indirect emissions from purchased energy through efficiency projects and using renewable energy sources. Energy efficiency varies by operation. The industry is actively working towards innovative, more sustainable methods of production, including low-emission processes powered by renewable energy. Though it will take time for these technologies to scale and be cost-competitive, there are still ways we can improve the emissions intensity of conventional fertilizer production in the short term. We have deployed renewable-based wind and solar meteorological energy resource data collection stations at four additional Potash sites, for a total of six stations since 2021. We have paused our onsite renewables program until 2024 to engage in consultations with our provincial utility provider, SaskPower, related to their clean energy transition initiative and the adoption of related regulations</div> <div> ESG Report/Climate Change</div>
	<div>Examples of Initiatives</div> <div><ul style="list-style-type: none">❖ Waste heat recovery example: Aurora, NC and White Springs, FL, USA. During the sulfuric acid manufacturing process (to treat phosphate during production) a significant amount of heat is produced, which we re-direct to generate steam-based electricity.❖ Deployed renewable-based wind and solar meteorological energy resource data collection stations at four additional sites, for a total of six stations.</div>	<div>Commitments and Targets</div> <div><ul style="list-style-type: none">❖ Deploy self-generated wind and/or solar energy at four potash facilities, by the end of 2025.</div>	



<div>  <p>8 DECENT WORK AND ECONOMIC GROWTH</p> </div> <p>United Nations SDG Goal 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all</p>	<p>United Nations SDG Indicator</p> <p>8.2 Achieve higher levels of economic productivity through diversification, technological upgrading and innovation...</p> <p>8.5 By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value</p> <p>8.7 ...eradicate forced labour, end modern slavery and human trafficking...child labour...in all its forms</p> <p>8.8 Protect labour rights and promote safe and secure working environments for all workers</p>	<p>Challenges</p> <p>Become more representative of our local markets in our employment and procurement.</p> <p>Ensure that our suppliers have the same standards that we do.</p>	<p>Opportunities</p> <p>We employ over 26,000 permanent and temporary/casual employees globally. Ensuring that Nutrien employees feel valued, respected, and engaged in their own success are essential factors in attracting and retaining the talented people who will help Nutrien achieve its purpose.</p> <p>Our high standard for doing business with integrity and strengthening community vitality are core to who we are and how we operate. Nutrien also has a supplier risk module and procurement policy to do business with under-represented groups such as Indigenous and women-owned businesses.</p>
	<p>Examples of Initiatives</p> <ul style="list-style-type: none"> ❖ Procurement policy to do business with under-represented groups (specifically Indigenous and women-owned businesses). ❖ Inclusive financing options for growers ❖ Policies such as Code of Conduct 	<p>Commitments and Targets</p> <ul style="list-style-type: none"> ❖ Committed to the United Nations Global Compact 10 Principals and 100 percent compliance with these Principals. ❖ All employees, directors and officers complete mandatory Code of Conduct training annually. ❖ Zero-tolerance policy for corruption and bribery as well as anti-competitive practices. 	<p> ESG Report/Human Capital/Responsible Supply Chain/Integrity/Cybersecurity and Data Privacy/</p>
<div>  <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p> </div> <p>United Nations SDG Goal 12: Ensure sustainable consumption and production patterns</p>	<p>United Nations SDG Indicator</p> <p>12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment.</p> <p>12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse.</p> <p>12.6 ...adopt sustainable practices and to integrate sustainability information into their reporting cycle.</p>	<p>Challenges</p> <p>Ability to trace end of product-life cycle.</p>	<p>Opportunities</p> <p>Across our company, we aim to ensure business practices continuously maximize production while minimizing natural resource impact.</p> <p>Approximately 95 percent of the waste we produce is nonhazardous.</p> <p>Our Global Waste Minimization Standard communicates non-mining waste management requirements for all Nutrien operating segments and locations. Each site must conduct a biennial non-mining waste review and use it to develop a site-specific waste minimization strategy, considering, in order of preference, reduction, reuse and recycling of materials. Since mining activities can generate large volumes of tailings and waste, we pay special attention to the management of our Potash and Phosphate operations. Our tailings management areas and gypstacks comply with applicable laws, regulations and environmental standards. We manage our waste responsibly and look for opportunities to reuse or recycle our non-hazardous waste. When considering the recycling and reuse of mining tailings and waste, we are exploring circular economies to find innovative ways to leverage material life cycles. We are also exploring risk rating systems for products we sell and increasing grower training to ensure optimal application.</p>
	<p>Examples of Initiatives</p> <ul style="list-style-type: none"> ❖ Partnered with Arkema S.A. to produce anhydrous hydrofluoric acid at our Aurora, NC which is a by-product of phosphoric acid production. Arkema will use it to produce environmentally friendly coolants. This reduces Arkema's dependence on importing raw materials from resource-intensive sources and utilizes our by-products for alternate use. ❖ Youth education programs teaching sustainability concepts: Journey 2050, Farmers 2050, Global Hero. 	<p>Commitments and Targets</p> <ul style="list-style-type: none"> ❖ New Loss of Containment ("LOC") target: Reduce the three-year moving average LOC Index from 1.52 in 2022 to 1.25 by 2030.. ❖ Revised Retail waste goal: Retail will continue to broaden and implement our Global Waste Minimization Standard, with a focus on improving our data management system and analytics with an aim to set a target by 2025 ❖ Complete risk evaluation profiles of NPK (fertilizer) manufactured products by 2024. 	<p> ESG Report/Grower Solutions/ Water Stewardship/Waste and Tailings/Product Responsibility</p>



 <p>United Nations SDG Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development</p>	United Nations SDG Indicator 14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution	Challenges When fertilizers are applied to crops, some nutrients may leach into groundwater or reach surface water by runoff. Nutrient enrichment of water bodies contributes to algae growth and reduced oxygen availability, which can adversely affect water quality and aquatic life. Runoff or overapplication of crop protection products can also impact ground and surface waters. It may be difficult to determine nutrient source pollution. Agriculture, municipal and industrial use of nutrients can be untreated sources.	Opportunities By promoting the adoption of agronomic best practices and products, we help reduce nutrient runoff from fields to support a healthy environment for life below water. The use of mineral and organic fertilizers to improve soil health is essential to achieving sustainable global food systems. Two essential elements of progress to protect waterbodies are higher nutrient use efficiency (the fraction of fertilizers taken up by the plant) and lower nutrient losses to the environment as a result of 4R Nutrient Stewardship , which is the use of the right nutrient source, at the right rate, at the right time, and in the right place. We also sell specialty fertilizers including stabilized, slow- and controlled-release fertilizers and water-soluble fertilizers. For example, Environmentally Smart Nitrogen (ESN) is the only controlled-release nitrogen designed for broad acre agriculture that delivers a significant return on investment through increased nitrogen efficiency. ESN releases nitrogen based on soil temperature. ESN gives crops the nitrogen it needs, when needed; thus, reducing nitrogen loss to the environment.
	Examples of Initiatives <ul style="list-style-type: none"> ❖ Ducks Unlimited Canada wetland restoration ❖ Upper Blackfoot Confluence Conservation and collaboration ❖ South Maybe Canyon Cross Valley Fill Reclamation ❖ Environmentally Smart Nitrogen ❖ 4R Nutrient Stewardship ❖ By the end of 2022, we measured and documented approximately one million sustainable and productive acres in North America and Australia. ❖ Nutrien's Carbon Program (SDG 2, 6, 13, 14, 15) 	Commitments and Targets <ul style="list-style-type: none"> ❖ By 2030, enable growers to adopt sustainable and productive agricultural products and practices on 75 million acres globally. ❖ Complete risk evaluation profiles of NPK (fertilizer) manufactured products by 2024. 	 ESG Report/Grower Solutions/Water Stewardship Nutrien Premium Technologies
 <p>United Nations SDG Goal 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation and halt biodiversity loss</p>	United Nations SDG Indicator 15.3 By 2030, combat desertification, restore degraded land and soil...to achieve a land degradation-neutral world 15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity...	Challenges Restore degraded agricultural land and soil.	Opportunities Agriculture is dependent on healthy ecosystems to sustain our global food supply. Supporting solutions that protect ecosystems is paramount to meeting this demand. Loss of biodiversity is a key risk to our growers, as it provides a buffer against variability in farm productivity, improves crop pollination, and increases natural resistance to weed, pest, and disease invasions. Nutrien recognizes the intrinsic value of protected areas and legally recognized areas of high biodiversity, and we are committed to being in regulatory compliance. In the normal course of operations, if a planned project may impact a protected species, or is subject to a regulatory review, we work through proper permitting including measures to minimize potential impacts. Nutrien protects non-agricultural production lands through conservation and the reclamation and remediation of lands where Nutrien has, or has had, operations. For example, for every wetland acre impacted at our Aurora, NC and White Springs, FL Phosphate mine sites, we are required to restore or create up to two wetland acres that are often more diverse and productive than prior to disturbance. We work with environmental authorities and properly restore land (postmining) using local and native plant varieties, which can often enhance biodiversity. Our products and services improve yields on existing agricultural land, reducing the need to convert more land for agricultural purposes and protecting biodiversity, and many of them protect our natural carbon sinks and biodiversity. Our agronomists and scientists specifically focus on safe use of products, pest- and disease-resistant seed, and integrated pest management strategies. In addition, development of on-farm biodiversity conservation planning is part of our agronomic service offering.
	Examples of Initiatives <ul style="list-style-type: none"> ❖ Since 2021, we have reclaimed over 3,500 acres of land back to productive use at our Aurora, NC and White Springs, FL Phosphate mine sites. During this time, we have also planted over 1.3 million trees. ❖ At our Aurora, NC Phosphate operations, an area being reclaimed is 1,165 acres in size, which includes a 645-acre lake that will be up to 50 feet deep, surrounded by vegetated uplands and planned for public recreational use. ❖ 4R Nutrient Stewardship ❖ In Saskatchewan, we support watershed stewardship through WUQWATR. ❖ Participate in the Natural Climate Solutions Alliance. ❖ We sponsor Caring for our Watersheds an environmental education contest for students ❖ Nutrien's Carbon Program (SDG 2, 6, 13, 14, 15) 	Commitments and Targets <ul style="list-style-type: none"> ❖ Determine how digital on-farm tools can identify and track opportunities to enhance biodiversity conservation on agricultural landscapes by 2023. ❖ Environmental stewardship is a focus area in our Community Donations. 	 ESG Report/Grower Solutions/Biodiversity Deforestation Position Statement



Governance

At Nutrien, we believe sustainability is best achieved through strategic integration. Nutrien’s Board of Directors oversees our sustainability performance, which support the SDGs. The Board Safety and Sustainability (“S&S”) Committee provides oversight of sustainability policies, strategy, risk management and performance. The Board S&S Committee works with our Executive Leadership Team to review and evaluate key issues, performance indicators and initiatives. We also use compensation as a tool to encourage appropriate risk-taking and to drive performance in accordance with our strategic targets.

Nutrien has an Executive ESG and Strategic Issues Committee to oversee our strategy. In addition, the strategic management of sustainability is shared within an established framework among numerous committees and corporate groups who monitor best practices, develop policies and standards, and support our operating segments. The daily management of sustainability commitments and implementation of programs is guided by all Nutrien operating segment leaders and their teams. Effective corporate governance helps us manage risks and opportunities and demonstrates accountability to our stakeholders. We believe this plays an important role in living our purpose and achieving our vision.

 [Learn more here.](#)

Integration & Engagement

To increase engagement and strategic alignment with the SDGs we have identified and/or established the following priority action items:

- 2020-Ongoing: Established an SDG Steering Committee to oversee the implementation of awareness and engagement strategies.
- 2018-Ongoing: Determined baseline data for most of our sustainability and SDG targets. Continue to ensure data collection, analysis and monitoring is in place. Decision-useful information is key in meeting our annual goals and 2030 ambition.
- 2015-Ongoing: Incorporated SDG awareness into our youth education programs such as [Caring for our Watersheds](#) (free environmental contest for students to turn ideas into realistic solutions), [Journey 2050](#) (free school program for Jr/Sr high students to explore world food sustainability), [Farmers 2050](#) (free virtual farm game where players plant crops, craft goods, trade in international markets and compete in challenges to advance the SDGs. Download in [App Store](#) and [Google Play](#)) and Global Hero (free app featuring 17 exciting mini-games that showcase each SDG at a high level. Download in [App Store](#) and [Google Play](#))
- 2021-Ongoing: Launch an internal SDG employee awareness and engagement campaign.
- 2021-Ongoing: Launch an employee education program to share information on the SDGs and how employees can take action.
- 2022-Ongoing: Communicate our ESG progress annually [here](#)



Impact Evaluation

We are committed to evaluating our performance, investing in innovative and new solutions, and always striving to make a meaningful impact on the SDGs. The following *Value Chain Impact Diagram* highlights our current impact at a high level across our value chain.



 Learn about the [ripple effect of agriculture](#) on the SDGs.



Value Chain Impact

Encourage ongoing collaboration to amplify our collective efforts and create world-changing impact.



By sustainably increasing crop yields we help produce more food for the growing population, while providing environmental solutions.

Increasing Positive Impact



Minimizing Negative Impact



Minimize environmental impacts from mining activities, invest in reclamation and remediation for impacted areas and explore alternative uses for materials.



Promote equity, diversity and inclusion across the entire industry for example providing opportunities to Indigenous groups and local minorities.



Support innovation in crop genetics, crop protection and input providers for sustainable agriculture.



Invest in clean energy and renewables as well as energy efficiency.



Provide a respectful work environment. We support a living wage for all, gender equality and empower women across our organization. We also have training programs and maintain an Integrity Helpline to ensure continuous improvement.



Everyone Home Safe, Every Day. Provide a safe work environment for all employees and safety protocols for suppliers.



Ensure efficient freight and product transportation.

Promote our environmentally innovative products such as ESN, precision agriculture, and digital tools.

Explore circular economy for example alternative phosphate materials use.

Collaborate with partners to improve positive watershed outcomes.



Completed a watershed risk assessment of our production sites in 2021. Set a new target to reduce annual freshwater use in operations.



Reduce waste by tracking leading indicators of systemic problems with process reliability, plant reliability and process safety.



Reduce greenhouse gases within our operations; as well as help growers reduce emissions and capture carbon through soil sequestration.



Strive to share best management practices for product use to reduce runoff into waterways or other unintended environmental consequences.



Work with growers to offer innovative, environmental solutions that improve soil health and biodiversity on current agricultural lands rather than land expansion.

Forward-Looking Statements

Certain statements and other information included in this document, including within the “Our 2030 Sustainability Commitments”, “ESG Performance Goals and Targets Summary” and “ESG Performance Goals/Targets” sections, constitute “forward-looking information” or “forward-looking statements” (collectively, “forward-looking statements”) under applicable securities laws including the U.S. Private Securities Litigation Reform Act of 1995 (such statements are often accompanied by words such as “anticipate”, “forecast”, “expect”, “believe”, “continue”, “may”, “seek”, “might”, “plan”, “predict”, “project”, “target”, “will”, “would”, “should”, “estimate”, “intend”, or the negative of these terms or other similar words). All statements in this document, other than those relating to historical information, facts or current conditions, are forward-looking statements, including, but not limited to: Nutrien’s business strategies, plans, prospects, opportunities and its sustainability, climate change and ESG plans, initiatives and strategies; Nutrien’s ESG opportunities and expectations and the risks related thereto; expectations regarding Nutrien’s Feeding the Future Plan and its 2030 commitments and ESG performance targets; Nutrien’s 2030 GHG emissions reduction commitment, including its plans, expectations and strategies with respect thereto and anticipated capital expenditures required to achieve such commitment; the potential deployment of additional emissions abatement projects; Nutrien’s initiatives to promote sustainable and productive agriculture and food production and its commitments and goals related thereto; our ability to integrate energy efficiency initiatives throughout our operations; expectations regarding global population growth; expectations regarding operational water use; our commitment to invest in new technologies to support a transition to low- and zero-carbon fertilizers, including low-carbon and clean ammonia and the launch of Retail products reducing packaging and plastic waste and/or increasing plastic reuse; our initiatives relating to the reduction of Scope 1 and 2 GHG emissions and assessments of Scope 3 GHG emissions, including, but not limited to, process improvements at Nutrien’s nitrogen facilities, energy efficiency initiatives for its nitrogen and potash operations, cogeneration projects and plans related thereto and the availability of energy from renewable sources; Nutrien’s near-term focus on economically maximizing CO2 capture and sequestration; Nutrien’s pursuit of opportunities relating to its low-carbon and clean ammonia, including evaluation of the Geismar clean ammonia facility project, and other opportunities for reducing GHG emissions associated with ammonia production; the implementation of our Carbon Program and the anticipated benefits to Nutrien and growers therefrom; Nutrien’s ability to implement technology to reduce GHG emissions and leverage data analytics in our pursuit to meet our ESG commitments; our commitment to leverage partnerships and investments to drive innovation and inclusion and the anticipated benefits thereof; our commitment to create new financial solutions to strengthen social, economic and environmental outcomes in agriculture; our equity, diversity and inclusion initiatives and expected timing thereof; our expectations regarding future ESG reporting, including ESG ratings; our strategies, plans, opportunities and initiatives relating to the decarbonization priority project areas and related expectations; Nutrien’s ability to successfully reclaim land and its asset retirement obligations, including the cost, timing and anticipated results of future reclamation expenditures; expected market and industry conditions with respect to planted acres; our ability to implement changes to make our business processes more resilient to cyberattacks; expectations regarding our health and safety initiatives, including the future reporting of results and performance in connection therewith; Nutrien’s community investment initiatives, including its ability to implement its strategic sustainability priorities and the impact therefrom; and expectations in connection with our ability to deliver long-term value for all stakeholders. These forward-looking statements are subject to a number of assumptions, risks and uncertainties, many of which are beyond our control, which could cause actual results to differ materially from those expressed, implied or anticipated by such forward-looking statements. As such, these statements are inherently uncertain and undue reliance should not be placed on these forward-looking statements.

All of the forward-looking statements are qualified by the assumptions that are stated or inherent in such forward-looking statements, including the assumptions referred to below and elsewhere in this document. Although we believe that these assumptions are reasonable, having regard to our experience and our perception of historical trends, the assumptions set forth below are not exhaustive of the factors that may affect any of the forward-looking statements and the reader should not place undue reliance on these assumptions and such forward-looking statements. Current conditions, economic, geopolitical and otherwise, render assumptions, although reasonable when made, subject to greater uncertainty.

In respect of our GHG emissions reduction commitment and other sustainability and climate-related initiatives and targets, we have made assumptions with respect to, among other things: that such target is achievable by deploying capital into N2O abatement at our nitric acid production facilities, energy efficiency improvements, carbon capture, utilization and storage, the use of natural gas to generate electricity and waste heat recovery; our ability to successfully deploy capital and pursue other operational measures, including the successful application to our current and future operations of existing and new technologies; the successful implementation by Nutrien of proposed or potential plans in respect thereof; projected capital investment levels, the flexibility of Nutrien’s capital spending plans and the associated sources of funding; our ability to otherwise implement all technology necessary to achieve our GHG emissions reduction commitment and other sustainability and climate-related initiatives and targets; and the development, availability and performance of technology and technological innovations and associated expected future results.

Additional key assumptions that have been made in relation to the operation of our business as currently planned and our ability to achieve our business objectives include, among other things: assumptions with respect to our ability to successfully complete, integrate and realize the anticipated benefits of our already completed and future acquisitions and divestitures, and that we will be able to implement our standards, controls, procedures and policies in respect of any acquired businesses and realize the expected synergies; that future business, regulatory and industry conditions will be within the parameters expected by us, including with respect to prices, margins, demand, supply, product availability, supplier agreements, availability and cost of labor and interest, exchange, inflation and effective tax rates; the receipt, in a timely manner, of regulatory and third-party approvals; assumptions with respect to global economic conditions and the accuracy of our market outlook expectations for 2022 and in the future; our expectations regarding the impacts, direct and indirect, of the COVID 19 pandemic on our business, customers, business partners, employees, supply chain, other stakeholders and the overall economy; our expectations regarding the impacts, direct and indirect, of the conflict between Ukraine and Russia on, among other things, global supply and demand, energy and commodity prices, global interest rates, supply chains and the global macroeconomic environment, including inflation; the adequacy of our cash generated from operations and our ability to access our credit facilities or capital markets for additional sources of financing; our ability to identify suitable candidates for acquisitions and divestitures and negotiate acceptable terms; our ability to maintain investment grade ratings and achieve our performance targets; our ability to successfully negotiate sales contracts; our ability to successfully implement new initiatives and programs; Nutrien’s ability to successfully deploy capital and pursue other operational measures, and the anticipated benefits therefrom; the successful implementation by Nutrien of proposed or potential strategies and plans in respect thereof; projected capital investment levels; the flexibility of Nutrien’s capital spending plans and the associated source of funding; and the development and performance of technology and technological innovations and the future use and development of technology and associated expected future results. Additional key assumptions relating to the operation of Nutrien’s business as currently planned and the ability to achieve its business objectives are detailed from time to time in Nutrien reports, including its 2022 annual report dated February 16, 2023 and its annual information form dated February 16, 2023 for the year ended December 31, 2022, filed with the Canadian securities regulators and the Securities and Exchange Commission in the US. Events or circumstances could cause actual results to differ materially from those in the forward-looking statements. Such events or circumstances include, but are not limited to: (i) with respect to Nutrien meeting its 2030 climate and GHG emissions reduction commitment, including: our ability to deploy sufficient capital to fund the necessary expenditures to implement the necessary operational changes to achieve this commitment; our ability to implement requisite operational changes; our ability to implement some or all of the strategy and technology necessary to efficiently and effectively achieve expected future results, including in respect of such GHG emissions reduction commitment; the availability and commercial viability and scalability of emission reduction strategies and related technology and products; the development and execution of implementing strategies to meet such GHG emissions reduction commitment; (ii) in respect of Nutrien’s other 2030 commitments, including: our ability to deploy sufficient capital to fund the necessary expenditures to implement the necessary operational changes to achieve these commitments; our ability to implement requisite operational changes; our ability to implement some or all of the technology necessary to efficiently and effectively achieve and measure expected future results; the availability and commercial viability and scalability of required technology and products; development and growth of end market demand for sustainable products and solutions; the performance of third parties; the development and execution of implementing strategies to meet such commitment; and (iii) with respect to Nutrien’s business generally and its ability to meet its other targets, commitments, goals, strategies, and related milestones and schedules disclosed herein: general global economic, market and business conditions; failure to complete announced and future acquisitions or divestitures at all or on the expected terms and within the expected timeline; the successful and timely implementation of capital projects; climate change and weather conditions, including impacts from regional flooding and/or drought conditions; crop planted acreage, yield and prices; the supply and demand and price levels for our products; governmental and regulatory requirements and actions by governmental authorities, including changes in government policy (including tariffs, trade restrictions and climate change initiatives); government ownership requirements, changes in environmental, tax and other laws or regulations and the interpretation thereof; political risks, including civil unrest, actions by armed groups, or conflict and malicious acts including terrorism; the occurrence of a major environmental or safety incident; innovation and cybersecurity risks related to our systems, including our costs of addressing or mitigating such risks; counterparty and sovereign risk; delays in completion of turnarounds at our major facilities; interruptions of or constraints in availability of key inputs, including natural gas and sulfur; any significant impairment of the carrying amount of certain assets; risks and uncertainties associated with obtaining regulatory, third-party and stakeholder approvals outside of Nutrien’s control for its operations, projects, initiatives and activities and the satisfaction of any conditions to such approvals; the impact of technology and risks associated with developing and implementing new technologies; the accuracy of cost estimates; risks related to reputational loss, including failure to achieve goals, targets or commitments with respect to ESG matters; certain complications that may arise in our mining processes; the ability to attract, engage and retain skilled employees; labour strikes or other forms of work stoppages; the COVID 19 pandemic, including variants of the COVID-19 virus and the efficacy and distribution of vaccines and treatments in respect thereof, and its resulting effects on economic conditions, fiscal and monetary responses by governments and financial institutions and disruptions to global supply chains; the conflict between Ukraine and Russia and its potential impact on, among other things, global market conditions and supply and demand, energy and commodity prices; and other risk factors detailed from time to time in Nutrien’s reports, including its 2022 annual report dated February 16, 2023 and its annual information form dated February 16, 2023 for the year ended December 31, 2022, filed with the Canadian securities regulators and the Securities and Exchange Commission in the US, which should be read in addition to this report for a more complete understanding of such risk factors. In light of the significant uncertainties in these forward-looking statements, investors should not regard these statements as a representation or warranty by Nutrien or any other person that Nutrien will achieve its objectives and plans in any specified time frame or at all. The forward-looking statements in this document are made as of the date hereof and Nutrien disclaims any intention or obligation to update or revise any forward-looking statements in this document as a result of new information or future events, except as may be required under applicable Canadian securities legislation or applicable US federal securities laws.

