

# ADF Industry Research on Sustainability Targets

ADM	<ul style="list-style-type: none"> <li>Sustainable farming practices</li> <li>Energy efficiency</li> <li>Bio based material solutions</li> <li>Follow 17 SDG</li> <li>Climate action</li> </ul>	<ul style="list-style-type: none"> <li>100% deforestation free by 2030</li> <li>1.5% reduction in GHG by 2025</li> <li>6% reduction in energy intensity by 2025</li> <li>5% reduction in water intensity by 2025</li> <li>87% diverted waste from landfill by 2025</li> </ul>
INGREDION	<ul style="list-style-type: none"> <li>Prioritize long term healthy of employees, products, and supply chain partners</li> <li>Drive sustainable innovation by aligning with one of UN SDG's</li> <li>Support water conservation in communities of high water stress</li> <li>Increase yellow pea protein processing capabilities</li> </ul>	<ul style="list-style-type: none"> <li>Reduce water use intensity by 30% by 2030</li> <li>Achieve 25% reduction in GHG by 2030</li> <li>50% of purchased electricity from renewable sources by 2030</li> <li>Achieve 100% avoidance of waste to landfill by 2030</li> <li>Reduce Biological Oxygen Demand by 10% from wastewater discharges by 2030</li> <li>Have 40% of new products aligned with UN SDG's by 2025, 75% by 2027</li> </ul>
TATE AND LYLE	<ul style="list-style-type: none"> <li>Maintain sustainable acreage equivalent to volume of corn purchased per year</li> <li>Scope 1: Direct emissions from owned sources</li> <li>Scope 2: Indirect emissions from generation of purchased energy</li> <li>Scope 3: Indirect emissions from growing and production of purchased materials</li> </ul>	<ul style="list-style-type: none"> <li>20% reduction in scope 1 and 2 greenhouse gas emissions by 2025</li> <li>15% reduction in scope 3 greenhouse gas emissions by 2030</li> <li>By 2025 eliminate all coal from operations</li> <li>Reduce water intensity by 15% by 2030</li> <li>Use 100% of waste beneficially by 2030 via nutrients for animals and local farms</li> </ul>
GPC	<ul style="list-style-type: none"> <li>Manage fuel consumption</li> <li>Lowering GHG emissions</li> <li>Diverting material from waste streams</li> <li>Conserving water</li> </ul>	<ul style="list-style-type: none"> <li>Improved MPG for vehicles by 25%</li> <li>Reduced fuel consumption by 8% since 2015</li> <li>Reduced water consumption by 27 million gallons since 2015</li> <li>Increased amount of recycled waste by 7%</li> <li>Reduced carbon emissions by 7.4 million pounds</li> </ul>
ROQUETTE AMERICA INC.	<ul style="list-style-type: none"> <li>Source locally to optimize transportation</li> <li>Improve quality of raw material</li> <li>Optimize energy consumption and preserve water</li> <li>Improved pea protein production</li> </ul>	<ul style="list-style-type: none"> <li>Avoid 1 million tons annually of Carbon Dioxide by 2025</li> <li>Targeting 70% of projects to meet "sustainable chemistry" criteria</li> <li>Reduce fresh water consumption by 5% by 2025</li> </ul>
CARGILL	<ul style="list-style-type: none"> <li>Improve soil health practices on farms</li> <li>Align with Paris Climate agreement to limit global warming</li> <li>Develop technology to improve farm production without land expansion</li> <li>Develop sustainable solutions for customers</li> <li>Improve sustainable supply chains (animal feed, corn, palm oil, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>Reduce Scope 3 emissions by 30% per ton by 2030</li> <li>Reduce 5 million kg of water pollutants in watersheds</li> <li>Improve access to safe drinking water</li> </ul>
BUNGE	<ul style="list-style-type: none"> <li>Promoting regenerative agriculture practices</li> <li>Eliminate deforestation from all supply chains by 2025</li> <li>Focusing on Energy Optimization Program (per 2020 sustainability report)</li> <li>Improve traceability to palm oil</li> <li>Continue to develop and use renewable energy sources</li> </ul>	<ul style="list-style-type: none"> <li>Reduce emissions by 10% per metric ton of production by 2026</li> <li>Reduce freshwater consumption by 10% by 2026 (25% per metric ton in areas of higher risk)</li> </ul>
PERDUE	<ul style="list-style-type: none"> <li>Working on getting more facilities LEED certified</li> <li>Reduce use of fossil fuels via Solar farms</li> <li>Use biomass to produce energy</li> </ul>	<ul style="list-style-type: none"> <li>Reduce GHG intensity by 30% by 2023</li> <li>Reduce water usage intensity by 25% by 2023</li> <li>Decrease solid waste sent to landfills by 90% by 2023</li> <li>30% reduction in Scope 1 and 2 carbon emissions by 2022</li> </ul>
LOUIS DREYFUS	<ul style="list-style-type: none"> <li>Global commitment to no deforestation</li> <li>Assess each asset for its relative environmental and social impact</li> <li>Research on more sustainable and eco friendly farming practice</li> <li>Purchasing material from vendors with higher quality products that have agreed to special environmental terms</li> <li>Improve traceability in direct sourcing (soybeans from Brazil)</li> </ul>	<ul style="list-style-type: none"> <li>Reduce water consumption by 5% between 2018 and 2022 (1% each year has been met)</li> <li>Reduce solid waste sent to landfill by 5% between 2018 and 2022</li> <li>Reduce accident frequency by 5% each year</li> <li>Reduce fleet emissions by 15% per ton mile</li> </ul>
AGP	<ul style="list-style-type: none"> <li>Renewable energy technology (onshore wind, solar, energy storage system)</li> <li>Developing new technology to provide integrated solutions for farmers</li> <li>Accelerating transition to a zero-carbon future</li> <li>Finding alternative food sources is critical as populations continue to rise</li> </ul>	<ul style="list-style-type: none"> <li>Developing 26 wind, 67 solar, and 5 battery storage projects</li> <li>Supporting growth of Asparagopsis (red algae) to lower methane production from livestock</li> </ul>
AK STEEL	<ul style="list-style-type: none"> <li>Use natural gas to reduce iron oxide and GHG production</li> <li>Evaluating use of hydrogen as a replacement for natural gas</li> <li>Hydrogen will be able to replace up to 30% of plants natural gas consumption</li> <li>Developing domestically sourced high quality iron ore</li> </ul>	<ul style="list-style-type: none"> <li>Goal to reduce GHG emissions by 25% by 2030</li> <li>Install new steam turbine to supply 75% of plants electrical demand (73 MWh, Cleveland) depending on access to large amounts of hydrogen and equipment upgrades</li> </ul>
ARCELOR MITTAL	<ul style="list-style-type: none"> <li>Aim to be carbon neutral by 2050</li> <li>Develop new technology to decarbonize steel through different low emission strategies</li> <li>Use bio-energy via agriculture and sustainable forestry for steelmaking</li> </ul>	<ul style="list-style-type: none"> <li>Reduce CO2 emissions by 30% by 2030</li> <li>Low carbon steel making</li> <li>Innovating steel solutions and technologies</li> </ul>
ATI ALLEGHENY LUDIUM	<ul style="list-style-type: none"> <li>Adding more water treatment equipment to improve water recycling capabilities</li> <li>Researching new ways to improve scrap recycling and reusing capabilities</li> <li>Reducing amount of waste in landfills by selling byproducts to customers</li> </ul>	<ul style="list-style-type: none"> <li>46% decline in GHG intensity per ton of production since 2018</li> <li>Over 62% of materials used in production are recycled</li> <li>Reduce energy intensity by &amp; CO2 emissions by 7% by 2030</li> <li>Increase recycled materials in production to 83% by 2030</li> </ul>
US STEEL	<ul style="list-style-type: none"> <li>Plans to develop and commercialize 20-30 different grades of low carbon footprint steel</li> </ul>	<ul style="list-style-type: none"> <li>20% GHG emission reduction by 2030</li> </ul>
ASH GROVE CEMENT COMPANY	<ul style="list-style-type: none"> <li>Researching carbon capture and storage technologies</li> <li>Creating biodiversity plans for areas under high environmental stress</li> </ul>	<ul style="list-style-type: none"> <li>Reduce CO2 emissions by 25% by 2020 (achieved)</li> <li>Reduce CO2 intensity by 520kg CO2/ton of cementitious product by 2030</li> </ul>
CEMEX USA	<ul style="list-style-type: none"> <li>Researching carbon capture and storage technologies</li> <li>Creating biodiversity plans for areas under high environmental stress</li> </ul>	<ul style="list-style-type: none"> <li>Reduce CO2 emissions by 25% by 2020 (achieved)</li> <li>Reduce CO2 intensity by 520kg CO2/ton of cementitious product by 2030</li> <li>Reduction of NO and SO emissions by 47 and 67 % respectively</li> <li>Aiming to have 40% of power consumption from clean energy sources</li> </ul>
MARTIN MARIETTA	<ul style="list-style-type: none"> <li>Land reclamation</li> </ul>	<ul style="list-style-type: none"> <li>15% reduction of scope 1 CO2 intensity from cement operations</li> <li>10% reduction of scope 1 CO2 intensity from magnesia specialties</li> </ul>
TITAN CEMENT	<ul style="list-style-type: none"> <li>Reduce all CO2 emissions by 2030</li> <li>Monitoring scope 3 CO3 emissions of supply chains</li> <li>Increasing annual investment in reasearch and innovation to 20 million euros</li> </ul>	<ul style="list-style-type: none"> <li>Covering 70% of water consumption with recycled water</li> <li>70% of suppliers meet titan esg standards</li> </ul>
DSM	<ul style="list-style-type: none"> <li>Produce all forms of protein (plant, meat, egg, fish) in a sustainable fashion</li> <li>2021 focus is on human and animal nutrition</li> <li>More consumers are seeking personalized products based on lifestyle, diet, genetic make-up</li> <li>Increase capability to develop new nutritional ingredients with health benefits</li> </ul>	<ul style="list-style-type: none"> <li>All North American eletricity needs to be 100% renewable starting from the end of 2021</li> <li>Transition to net zero by 2050</li> <li>Improve energy efficiency by more than 1% each year until 2030</li> <li>GHG reduction to 30% by 2030 vs reported 2016 figures</li> <li>Scope 1 &amp; 2 emission reduction of 30% by 2030</li> <li>Scope 3 emission reduction of 28% by 2030</li> </ul>