

# Stewardship Commitment | Metrics at a Glance

FIELD		
Priority	Indicator	Metric
Feed Impact	Land use, irrigation water use, water quality and soil	<ul style="list-style-type: none"> <li>The Innovation Center for U.S. Dairy® continues to work with Field to Market® to ensure these indicators and metrics are useful and relevant to dairy.</li> </ul>
	Greenhouse gas (GHG) and energy intensity	<ul style="list-style-type: none"> <li>U.S. dairy's LCA for U.S. Milk underpins GHG and energy metrics for feed production. Metrics mirror those used at the dairy farm and are reported in aggregate.</li> </ul>
	Biodiversity	<ul style="list-style-type: none"> <li>Written and implemented plans or programs that preserve, restore and/or improve biodiversity</li> <li>Implemented practices that preserve, restore, and/or improve biodiversity</li> </ul>
DAIRY FARM		
Priority	Indicator	Metric
Energy Use	Energy intensity	<ul style="list-style-type: none"> <li>Total energy use (converted to MMBTU)/lb. of milk (FPCM)</li> </ul>
GHG Emissions	GHG intensity	<ul style="list-style-type: none"> <li>Total GHG emissions (tonnes CO<sub>2</sub>e)/lb. of milk (FPCM)</li> </ul>
Water Quantity	Water use (on-farm)	<ul style="list-style-type: none"> <li>Gallons of water withdrawn (for lactating cows)/lb. of milk (FPCM)</li> </ul>
Nutrient Management	Nutrient Management Plan	<ul style="list-style-type: none"> <li>Do you implement and maintain a written Nutrient Management Plan? (Y/N)</li> </ul>
Animal Care	Farm Animal Care	<ul style="list-style-type: none"> <li>Do you participate in the FARM Animal Care program? (Y/N)</li> </ul>
PROCESSOR		
Priority	Indicator	Metric
Energy Use	Energy intensity	<ul style="list-style-type: none"> <li>Total energy use (converted to MMBTU)/lb. of production output</li> </ul>
GHG Emissions	GHG intensity	<ul style="list-style-type: none"> <li>Total GHG emissions (tonnes CO<sub>2</sub>e, Scope 1 and 2)/lb. of production output</li> </ul>
Water Quantity	Water withdrawal	<ul style="list-style-type: none"> <li>Gallons of water withdrawn by source of water supply/lb. of production output</li> </ul>
	Water efficiency	<ul style="list-style-type: none"> <li>Gallons of water withdrawn/lb. of production output</li> </ul>
	Water recycling and reuse	<ul style="list-style-type: none"> <li>[Gallons of water supplied that are captured for reuse within the facility + milk water captured for use]/lb. of production output</li> </ul>
	Milk water use	<ul style="list-style-type: none"> <li>Gallons of water captured from milk for use within facility/lb. of production output</li> </ul>
	Surplus water	<ul style="list-style-type: none"> <li>[Discharge volume - water withdrawn]/lb. of production output</li> </ul>
Water Quality	Water discharge and quality	<ul style="list-style-type: none"> <li>Policy, program or monitoring system to ensure routine compliance with industrial or storm water permit parameters (Y/N)</li> </ul>
Resource Recovery	Waste diversion	<ul style="list-style-type: none"> <li>Percent waste stream (lbs.) diverted from landfill or incineration without energy recapture</li> </ul>
	Throughput efficiency	<ul style="list-style-type: none"> <li>Total waste stream/lb. of production output</li> </ul>
	Resource utilization	<ul style="list-style-type: none"> <li>Food/organics repurposed to feed hungry people</li> <li>Food/organics donated or repurposed as animal feed and non-food recycled or composted (lbs.)/total waste stream (lbs.)</li> <li>Food/organics repurposed for industrial uses or compost and non-food repurposed for energy recovery (lbs.)/total waste stream (lbs.)</li> <li>Waste sent to landfill or incineration without recapturing energy (lbs.)/total waste stream (lbs.)</li> </ul>
Packaging	Recycled content	<ul style="list-style-type: none"> <li>Research/investment in use of post-consumer and/or post-industrial recycled content (Y/N)</li> </ul>
	Material optimization	<ul style="list-style-type: none"> <li>Exploring options to reduce or replace non-recyclable and/or non-compostable packaging (Y/N)</li> </ul>
	Material utilization	<ul style="list-style-type: none"> <li>Materials used for product packaging, differentiated by primary, secondary, and tertiary packaging</li> </ul>
Workforce Development	Human resources	<ul style="list-style-type: none"> <li>Total number of jobs supplied and full-time employees at the end of year</li> <li>Indirect and non-monetary benefits available to employees</li> </ul>
	Worker safety	<ul style="list-style-type: none"> <li>Leading indicators to measure/encourage safe worker behavior (Y/N)</li> <li>Describe measurement systems employed, and how this has led to a safer workforce.</li> <li>Days of restricted work activity or job transfer (DART) rate</li> <li>Explain why this has changed over time.</li> </ul>
Community Contributions	Community volunteering	<ul style="list-style-type: none"> <li>Volunteer activities performed by employees</li> </ul>
	Monetary and product donations	<ul style="list-style-type: none"> <li>Monetary and product donation activities</li> </ul>
	Educational opportunities	<ul style="list-style-type: none"> <li>Describe community educational events per year and the total number of participants.</li> </ul>
	Product contributions	<ul style="list-style-type: none"> <li>Servings of dairy donated or consistently supplied to a non-profit organization to feed food insecure people. (For Stewardship Commitment reporting, companies report in lbs.)</li> </ul>
Product Safety & Quality	Food safety	<ul style="list-style-type: none"> <li>Validated, verifiable food safety programs and management systems in place (Y/N)</li> <li>Frequent reassessment of food safety programs to ensure efficacy and to reflect new food safety tools/practices and ensure continuous improvement (Y/N)</li> </ul>
	Traceability	<ul style="list-style-type: none"> <li>Commitment to voluntary <i>U.S. Dairy Traceability Guidelines</i> (Y/N)</li> </ul>