

# Mosaic Partnerships on Nutrient Stewardship, Habitat Conservation and Watershed Restoration

## ► Nutrient Stewardship

Partnerships that promote 4R Nutrient Stewardship, conservation agriculture programs and best management practices in key watersheds, including:

4R Nutrient Stewardship Certification Program – Western Lake Erie Basin	Initiative to pilot a nutrient application standard encouraging agricultural retailers, service providers and other certified professionals in Indiana, Ohio and Michigan - where surrounding waters drain into the Western Lake Erie Basin - to adopt proven best practices through the 4Rs, which refers to using the Right Nutrient Source at the Right Rate and Right Time in the Right Place.
American Farmland Trust	An interstate water quality trading market project that helps approximately 230,000 farmers in the Ohio River Basin adopt conservation agriculture practices and potentially reduce nutrient runoff from as many as 2.2 million acres.
Conservation Technology Information Center	Annual lead sponsor of Conservation in Action Tour that provides on-farm information sharing and demonstration of innovative products and practices; Upstream Heroes program honors America's agricultural producers who efficiently manage nutrients while protecting water quality.
Florida Farm Bureau	Expand County Alliance for Responsible Environmental Stewardship (CARES) program into SW Florida counties, educating producers about Florida's BMPs, voluntarily enrolling farmers in the program with the Florida Department of Agriculture and Consumer Services (FDACS), and then certifying these farmers' improvements.
Freshwater Society	Funded a community-based pilot farmer-to-farmer mentoring program designed to reduce sediment and nutrient flow in vulnerable watersheds.
Global Landscapes Initiative at the University of Minnesota's Institute on the Environment	Assesses trends in global agricultural supply and demand to improve the balance of human needs with environmental stewardship, promoting secure landscapes.
Grazing Lands Conservation Initiative (GLCI)	The 5th Annual GLCI convened more than 400 ranchers, farmers, land managers, grazing specialists and conservationists from across the nation for education, technology advancements and grazing land sustainability training.
Illinois Foundation for Agronomic Excellence: "Keep It for the Crop by 2025"	"Keep it for the Crop by 2025" is a program to promote, implement and track the rate of adoption of enhanced nutrient stewardship practices in six Illinois priority watersheds.
National Future Farmers of America	Funded development of Environmental Science and Natural Resources curriculum and ongoing teacher training, career development events, and proficiency awards.
The Nature Conservancy: • Great Rivers Partnership • 4R Nutrient Stewardship for Specialty Crops in SW Florida	Two partnerships in key agricultural watersheds: in the Upper Mississippi River Basin's Root River (MN), Boone River (IA) and Mackinaw River (IL), working with local producers to address nutrient and sediment runoff in agricultural landscapes; and in SW Florida, starting a 4R Nutrient Stewardship program with outreach to specialty crop producers and the agricultural community in adopting 4R practices on field.
Sand County Foundation	Leopold Conservation Award Program recognizes achievement in voluntary conservation and builds bridges between agriculture, government, environmentalists, industry and academia to advance private lands conservation; presented in California, Colorado, Kentucky, Nebraska, South Dakota, Texas, Utah, Wisconsin and Wyoming.
University of Florida	Promote 4Rs of Nutrient Stewardship as a fertilizer best management practice through extension agent and producer training on various crops; sponsorship of 3rd Annual Water Institute Symposium explored emerging issues related to nutrient sources, management and policy from multiple perspectives.
University of Minnesota, CFANS	Department of Soil, Water and Climate will celebrate its centennial with activities and events that promote soil, water and climate research, teaching and outreach.
University of Illinois	Crop sciences research to develop advanced agronomic systems aimed at sustainably increasing corn productivity by combining fertilizer BMPs with other agronomic technologies.
World Congress on Conservation Agriculture	6 <sup>th</sup> WCCA, hosted for the first time in North America, increases awareness and educates farmers around the globe in innovative conservation and sustainability efforts.

► **Habitat Conservation and Watershed Restoration**

Partnerships that conserve resources and encourage stewardship of the environment, including biodiversity and habitat protection, including:

Charlotte Harbor Environmental Center	The Environmental Center's Watershed Education Programs support youth education.
Charlotte Harbor National Estuary Program	The Charlotte Harbor Water Atlas Program is designed as a one-stop data warehouse to help connect multiple stakeholders on water resource management.
Conservation Foundation of the Gulf Coast	CFGC acquired and placed a conservation easement on 150 acres – expanding the total acres of Robinson Preserve to 637 acres – and it will restore wetlands, remove invasive plant species, and offer pedestrian and kayak and paddle trails.
Conservation Trust for Florida	Supporting education and outreach to identify design and protect areas within the Florida Wildlife Corridor.
Ducks Unlimited	With Louisiana Chapter, enhanced public lands through wetlands restoration of Sherburne Wildlife Management Area; and with Saskatchewan Chapter, restoring at least 500 wetland acres over 10 years.
Florida Wildlife Corridor Expedition	Documentary sponsorship of team which traveled 1,000 miles in 100 days, journeying north from Everglades National Park to Okefenokee National Wildlife Refuge in Georgia, highlighting habitat corridors and cross-sector partnerships to conserve land.
The Hillsborough River Watershed Alliance	A program established in Hardee County, FL to educate local students about environmental science and the Peace River/Charlotte Harbor Estuary.
Louisiana State University AgCenter Botanic Gardens at Burden	Expand trees, trails and Black Swamp Boardwalk while integrating site into new wetlands education program.
The Mosaic Coastal Education Center	A nationally award-winning environmental education program in Central Florida to teach children the importance of the estuary
Mote Marine	Successful snook enhancement and aquaculture program as well as Sea Trek Distance Learning program, a live-televised ocean science education program that reached more than 2,000 K-12 students and provided 100 in-school experiences.
Museum of Science and Industry	Science On the Go Mobile Lab engages students in STEM innovative, exciting hands-on science experiments, demonstrations and simulations.
National Audubon Society	A joint effort of Audubon Florida and Audubon Louisiana as part of a hemispheric flyways program to expand coastal habitat and reverse shorebird population declines.
Nature Wise	Title sponsor for the documentary "Save Space for the Gopher Tortoise" is provided to all of Florida's public television stations.
Peace River Wildlife Center	The Center supports rehabilitating and resident wildlife programs while educating the public through formal outreach activities.
Restore America's Estuaries	Lead sponsor of national conference for alliance of 10 regional, coastal conservation organizations with more than 290,000 volunteer-members dedicated to preserving the nation's estuaries.
Tampa Bay Estuary Program	Establishing the Tampa Bay Environmental Fund, a multi-entity public-private partnership, provides competitive grant funds for the highest priority conservation goals in the Tampa Bay watershed.
Tampa Bay Watch	A multi-year, comprehensive, community-based oyster habitat and water quality initiative promotes watershed protection and supports youth education programs.
The Florida Aquarium	Lead grant to support capital campaign to expand region's premier aquarium and conservation outreach programs, and since 2003, Mosaic has transported seawater in its barge ballasts to meet the aquarium's saltwater needs.
The Nature Conservancy	A multi-year oyster bed restoration project in Southwest Florida's Charlotte Harbor enhances effective, long-term conservation work.
Wildlands Conservation	Peace River Greenway Initiative focuses on continuous corridors along the River and its major tributaries, including public and private conservation and agricultural lands.
Wildlife Foundation of Florida	The Conservation Adventures program through the Florida Youth Conservation Centers Network engages youth in outdoor, conservation-related recreation that fosters an understanding of the value of Florida's natural resources and cultivates a desire to actively protect and preserve Florida's conservation lands, fish and wildlife.

► **Cross-Sector and Industry Partnerships**

Partnerships that advance cutting-edge scientific research and best management practices to improve our operations and our industry.

Carbon Disclosure Project (CDP)	Mosaic supports CDP's aims to improve transparency with respect to greenhouse gas emissions and water disclosures.
Global Reporting Initiative (GRI): Focal Point Sector USA	Mosaic is a founding U.S. sector leader, helping to boost the number of U.S. companies reporting on sustainability and to improve the quality of those reports.
Field to Market	An alliance of producers, agribusinesses, food and retail companies, conservation associations, universities, and the Natural Resources Conservation Service that identifies value chain strategies to define, measure, and promote continuous improvement for agriculture.
International Fertilizer Industry Association (IFA)	Mosaic supports IFA's efforts to represent the industry among various stakeholders, including policymakers, regulators, farmers and society-at-large.
International Plant Nutrition Institute (IPNI)	Mosaic contributes to and benefits from IPNI's information about crop nutrients, distribution and influence on soil fertility.
Nutrients for Life	Mosaic supports Nutrients for Life's commitment to provide science-based information to help educate people and educators about fertilizer.
The Fertilizer Institute (TFI)	Mosaic supports IFA's efforts to represent the industry among various stakeholders, including policymakers, regulators, farmers and society-at-large.
United Nations Global Compact (UNGC)	In 2011 Mosaic became a signatory to the UNGC, affirming our deep commitment to operating responsibly.