



# Water

Social Responsibility 2013

*Responsible use of water is a fundamental component of Mosaic's global sustainability vision. Our water management programs actively engage in facility-specific and business unit-wide initiatives to reduce our water footprint. Facilities continuously monitor and evaluate systems to minimize water usage and maximize reuse and recycling.*

## Water Management

Over the last 20 years, Mosaic's Central Florida operations have decreased groundwater use by more than 50 percent. Mosaic's Florida concentrates plants reduced net groundwater consumption from a historic range of 1,700 to 2,000 gallons per tonne of finished phosphate to approximately 1,450 gallons per tonne. This equates to an annual reduction of approximately 1.6 billion gallons of groundwater usage (assuming average production) and has contributed to a 30 percent reduction of permitted peak groundwater withdrawals.

We are continually updating our long-term water strategy for our Florida operations, with the goal of conserving water resources and reducing the amount of water we impound for operational use.

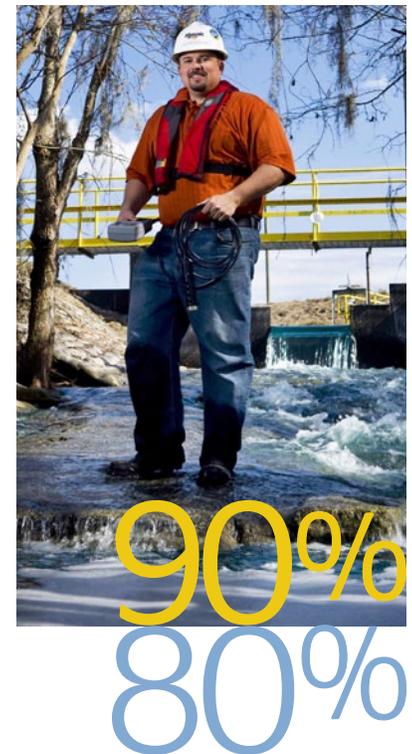
Mosaic's Canadian potash facilities help preserve water quality offsite by maintaining a zero-discharge approach, with the capture of all surface water runoff from the sites. Any excess brine from facility operations is evaporated or injected into pre-existing deep brine formations. Our Canadian shaft mines are able to satisfy approximately 80 percent of water needs through recycling and reuse.

## Risks and Opportunities

At Mosaic, we understand the risks and opportunities associated with water scarcity for our operations and agricultural customers, and are planning accordingly. Future changes in rainfall patterns, storm intensities and temperature levels will likely vary by geographic region. These fluctuations could make growing crops using traditional methods less productive in some regions and more productive in others. We believe our balanced approach to soil fertility will be a strategy to mitigate the adverse effects of drought, floods, storms and plant disease.

# 4Rs

Mosaic advocates applying the right nutrients in the right place, at the right rate and at the right time, ensuring the nutrients remain available to crops and increase yields with less potential for nutrient runoff.



We reuse or recycle approximately 90 percent of all water used in our Florida Phosphate operations and more than 80 percent in our Canadian Potash shaft operations.



### **RICHARD T. PAUL ALAFIA BANK BIRD SANCTUARY HILLSBOROUGH BAY, FLORIDA**

Since 1934, Audubon of Florida and the Riverview Plant now owned by Mosaic have collaborated to protect birds that nest, forage and roost on the spoil islands originally created by dredging in Hillsborough Bay. These spoil islands, owned by Mosaic and managed by the Audubon Sanctuaries program through a long-term lease, comprise the Richard T. Paul Alafia Bank Bird Sanctuary. This bird sanctuary is a key component of the Hillsborough Bay Important Bird Area, recognized by BirdLife International, the National Audubon Society and Audubon of Florida for its globally significant bird population.



### **COASTAL EDUCATION CENTER GIBSONTON, FLORIDA**

Situated at Fiddler's Cove at the mouth of the Alafia River on Hillsborough Bay, Mosaic's Coastal Education Center is an outdoor classroom created to teach environmental education to fourth-grade students in southeast Hillsborough County. The program is a unique learning experience designed to prepare fourth graders for the science portion of the Florida Comprehensive Assessment Test. Through hands-on experience, children develop an appreciation and understanding of why the Tampa Bay estuary is important and how it can be protected for the future. The Center is staffed primarily by volunteer Mosaic employees, and more than 1,000 students study at the center each year. The National Association of Environmental Professionals honored Mosaic with the National Environmental Excellence Award for Education Excellence. The Center has received three previous awards from local, regional and statewide organizations.

**GROUNDWATER  
USE DOWN  
50%  
OVER 20 YEARS**

Over the last 20 years, Mosaic's Central Florida operations have decreased groundwater use by more than 50 percent.

### **CONSERVATION TECHNOLOGY INFORMATION CENTER (CTIC)**

Mosaic is a sponsor of CTIC, a national, public/private partnership that envisions agriculture using environmentally beneficial and economically viable natural resource systems. CTIC is comprised of members of the agriculture industry, conservation organizations and producers, and is supported by the U.S. Environmental Protection Agency, Natural Resources Conservation Service and other public entities. Mosaic also supports CTIC's work on the Upstream Heroes, a program that honors America's agricultural producers who efficiently manage their nutrients while protecting water quality as part of a comprehensive conservation system.

Mosaic made a grant to Ducks Unlimited for

**\$2 MILLION**  
that will restore a minimum of 50 acres of wetlands over a 10-year period in Saskatchewan.

This fact sheet contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements include, but are not limited to, statements about future financial and operating results. Such statements are based upon the current beliefs and expectations of The Mosaic Company's management and are subject to significant risks and uncertainties. These risks and uncertainties include but are not limited to the predictability and volatility of, and customer expectations about, agriculture, fertilizer, raw material, energy and transportation markets that are subject to competitive and other pressures and economic and credit market conditions; the level of inventories in the distribution channels for crop nutrients; changes in foreign currency and exchange rates; international trade risks; changes in government policy; change in environmental and other governmental regulation, including greenhouse gas regulation, implementation of the U.S. Environmental Protection Agency's numeric water quality standards for the discharge of nutrients into Florida lakes and streams or possible efforts to reduce the flow of excess nutrients into the Gulf of Mexico; further developments in judicial or administrative proceedings; difficulties or delays in receiving, increased costs of or challenges to necessary governmental permits or approvals or increased financial assurance requirements; the effectiveness of the Company's processes for managing its strategic priorities; adverse weather conditions affecting operations in Central Florida or the Gulf Coast of the United States, including potential hurricanes or excess rainfall; actual costs of various items differing from management's current estimates, including, among others, asset retirement, environmental remediation, reclamation or other environmental regulation, or Canadian resources taxes and royalties; accidents and other disruptions involving Mosaic's operations, including brine inflows at its Esterhazy, Saskatchewan, potash mine and other potential mine fires, floods, explosions, seismic events or releases of hazardous or volatile chemicals, as well as other risks and uncertainties reported from time to time in The Mosaic Company's reports filed with the Securities and Exchange Commission. Actual results may differ from those set forth in the forward-looking statements.



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