



# 2015 Supplemental Environmental Metrics

The Mosaic Company's 2015 Sustainability Report adheres to the Global Reporting Initiative's (GRI) G4 Core Sustainability Reporting Guidelines. This supplement provides additional environmental metrics – not covered under the G4 guidelines – and demonstrates our commitment to transparency. We encourage stakeholders to read this supplement in conjunction with our digital 2015 Sustainability Report, [www.mosaicco.com/2015sustainabilityreport](http://www.mosaicco.com/2015sustainabilityreport).

## Water

### Total Water Withdrawals and Intensity by Business Segment

2015 Global Water Withdrawals by Segment Total Water Used by Business Segment Megaliters (1,000 m <sup>3</sup> )						
Business Segment	Municipal	Reclaimed Water	Groundwater	Surface Water	Total Withdrawals	Total Withdrawal Intensity
Phosphate	641	4,101	59,062	203,721	267,526	0.0283
Potash	0	220	7,323	20,447	27,990	0.0033
International Distribution	88	3,194	1,885	0.0	5,167	0.0134
<b>Mosaic Total</b>	<b>730</b>	<b>7,515</b>	<b>68,341</b>	<b>224,168</b>	<b>300,683</b>	<b>0.0165</b>
<i>Note: Phosphate surface water withdrawals include once through cooling water totals. Total water intensity value measured in megaliters per tonne of finished product. Values include all water withdrawals and differs from Mosaic's freshwater intensity reduction target, as reported in Mosaic's Sustainability Report.</i>						

## Energy and Emissions

### Energy per Tonne Finished Product by Business Segment

2015 Energy Intensity by Segment GJ/Finished Product Tonnes	
Business Segment	
Phosphate	2.44
Potash	2.83
International Distribution	1.39
<b>Mosaic Total</b>	<b>2.60</b>
<i>Note: Energy totals are inclusive of energy generated through cogeneration.</i>	



## GHG Intensity Metrics

2015 GHG Intensity by Segment Tonnes/Finished Product Tonnes								
Business Segment	Total GHG	Direct GHG	Indirect GHG	Total CO <sub>2</sub>	Direct CO <sub>2</sub>	Indirect CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O
Phosphate	0.30	0.21	0.09	0.30	0.21	0.09	0.00	0.00
Potash	0.22	0.11	0.11	0.23	0.11	0.11	0.00	0.00
International Distribution	0.06	0.10	0.05	0.15	0.10	0.05	0.00	0.00
<b>Total</b>	<b>0.26</b>	<b>0.16</b>	<b>0.10</b>	<b>0.26</b>	<b>0.16</b>	<b>0.10</b>	<b>0.00</b>	<b>0.00</b>
Note: Total, Direct and Indirect GHG values are measured in tonnes CO <sub>2</sub> e per tonne of finished product.								

## Absolute GHG Metrics

2015 Absolute GHGs by Segment Million Tonnes CO <sub>2</sub> e, except CH <sub>4</sub> and N <sub>2</sub> O								
Business Segment	Total GHG <sup>1</sup>	Direct GHG <sup>1</sup>	Indirect GHG <sup>1</sup>	Total CO <sub>2</sub>	Direct CO <sub>2</sub>	Indirect CO <sub>2</sub>	CH <sub>4</sub> *	N <sub>2</sub> O*
Phosphate	2.83	1.97	0.86	2.83	1.97	0.07	986.00	969.00
Potash	1.90	0.95	0.95	1.89	0.95	0.09	1,412.00	684.00
International Distribution	0.05	0.04	0.02	0.06	0.06	0.04	40.00	217.00
<b>Total</b>	<b>4.78</b>	<b>2.96</b>	<b>1.82</b>	<b>4.78</b>	<b>2.96</b>	<b>2.96</b>	<b>2,438.00</b>	<b>1,870.00</b>
Note: Total, Direct and Indirect GHG values are measured in million tonnes CO <sub>2</sub> e; CH <sub>4</sub> and N <sub>2</sub> O are presented in tonnes.								