



# Supplemental Environment Metrics

The Mosaic Company's 2014 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 2014 Sustainability Report, [www.mosaicco.com/2014sustainabilityreport](http://www.mosaicco.com/2014sustainabilityreport).

## Water

### Total Water Withdrawals and Intensity by Business Unit

| 2014 Global Water Withdrawals<br>Total Water Used by Business Unit |            |              |               |                |                |  |
|--|------------|--------------|---------------|----------------|----------------|--|
| All units Megaliters (1,000 m <sup>3</sup> )                       |            |              |               |                |                |  |
| Business Unit  | Municipal  | Waste Water  | Groundwater   | Surface Water  | Total          | Total Withdrawal Intensity (Megaliter per Tonne of finished product) |
| Phosphate  | 541        | 3,206        | 52,486        | 223,152        | 279,385        | 0.0247   |
| Potash   | 0.0        | 223          | 8,439         | 17,629         | 26,291         | 0.0026   |
| International and Distribution                                     | 241        | 0.0          | 3,454         | 0.0            | 3,695          | 0.0007   |
| <b>Mosaic Total</b>  | <b>781</b> | <b>3,429</b> | <b>64,380</b> | <b>240,780</b> | <b>309,371</b> | <b>0.0170</b>  |

Note: Phosphate surface water withdrawals include once through cooling water totals. Total water intensity value includes all water withdrawals and differs from Mosaic's freshwater intensity reduction target.

## Energy and Emissions

### Energy per Tonne Finished Product by Business Unit

| Energy Intensity by BU<br>GJ/Finished Product Tonnes |             |
|--|-------------|
| Business Unit  | 2014        |
| Phosphate-All  | 2.36        |
| Potash-All   | 2.91        |
| International and Distribution                       | 1.44        |
| <b>Total</b>   | <b>2.59</b> |

Note: Energy totals are inclusive of energy generated through cogeneration.

## Greenhouse Gas Intensity Metrics

| GHG Intensity by BU<br>Tonnes CO2e/Finished Product Tonnes |                        |                         |                           |              |              |              |              |
|--|------------------------|-------------------------|---------------------------|--------------|--------------|--------------|--------------|
|  | Total GHG <sup>1</sup> | Direct GHG <sup>1</sup> | Indirect GHG <sup>1</sup> | Direct CO2   | Indirect CO2 | CH4          | N2O          |
| Business Unit  | 2014                   |                         |                           |              |              |              |              |
| Phosphate-All  | 0.307                  | 0.205                   | 0.103                     | 0.203        | 0.090        | 0.000        | 0.000        |
| Potash-All   | 0.220                  | 0.116                   | 0.104                     | 0.116        | 0.116        | 0.000        | 0.000        |
| International and Distribution                             | 0.147                  | 0.113                   | 0.035                     | 0.108        | 0.018        | 0.000        | 0.000        |
| <b>Total</b>   | <b>0.264</b>           | <b>0.162</b>            | <b>0.102</b>              | <b>0.157</b> | <b>0.101</b> | <b>0.000</b> | <b>0.000</b> |

<sup>1</sup>Measured in tonnes CO2e per tonne of finished product

## Absolute Greenhouse Gas Metrics

| Absolute GHGs by BU<br>Tonnes /Finished Product Tonnes |                        |                         |                           |                  |                  |               |              |
|--|------------------------|-------------------------|---------------------------|------------------|------------------|---------------|--------------|
|  | Total GHG <sup>1</sup> | Direct GHG <sup>1</sup> | Indirect GHG <sup>1</sup> | Direct CO2       | Indirect CO2     | CH4           | N2O          |
| Business Unit  | 2014                   |                         |                           |                  |                  |               |              |
| Phosphate-All  | 2,856,943              | 1,909,898               | 956,045                   | 1,877,966        | 834,099          | 14.947        | 3.08         |
| Potash-All   | 1,799,198              | 948,638                 | 850,560                   | 947,624          | 949,046          | 18.244        | 2.20         |
| International and Distribution                         | 55,957                 | 42,832                  | 13,125                    | 42,834           | 11,857           | 0.305         | 0.9          |
| <b>Total</b>   | <b>4,721,097</b>       | <b>2,901,368</b>        | <b>1,819,730</b>          | <b>2,868,423</b> | <b>1,795,002</b> | <b>33.496</b> | <b>21.46</b> |

<sup>1</sup>Measured in tonnes CO2e