



# Health, Safety & Environment fact sheet

## Yara Brazil - Rio Grande, 2009



**Location:** Rio Grande, Brazil

**Number of employees:** 350

**Annual production capacity (ton)**  
**NPK:** 600,000

**Certification:**  
 ISO 9001, ISO 14001, OHSAS 18001

**Other systems:**  
 EFMA Product Stewardship, ISPS

Health and safety indicators	
Employee sickness rate (%)	4.7
LTI-rate for own employees	0
LTI-rate for contractors	0
LTI-rate for employees and contractors	0
TRI-rate for own employees	0
Major accidents during the year	0

Plant energy and water consumption	
Plant electrical energy consumption (kWh)	29,702,000
Water consumption (m <sup>3</sup> )	135,734

Emissions and waste	Ton per year	% of permit	Possible impacts
Dust to air	81	60	Local nuisance and haze formation
F to air	0.8	46	Regional acid precipitation and local haze formation
NH <sub>3</sub> to air	22	21	Regional acid precipitation and local haze formation

### Actions for further improvements

- BBS – Behaviour Based Safety
- Consolidation of WOC as our main leadership tool for safety
- Full conformance with Yara TOPS standards (new self assessment and action plans)
- Conclusion of de-dusting projects – NPK plants
- New scrubber system in Acidulation Plant

### Community activities

- Rio Grande open doors: program for site visits for schools and universities
- Sponsoring of schools
- Sponsoring of cultural programs

LTI (Lost-Time Injury) rate: Number of injuries with absence from work in excess of day of injury, per million hours worked

TRI (Total Recordable Injury) rate: Number of injuries with absence from work + temporary lighter work tasks + medical treatment, per million hours worked

Major accident: Accident leading to fatality, property damage or loss of production in excess of €10 million, significant environmental incident

"Ton" in this document refers to metric ton, equal to 1000 kilograms.