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1.2. Manganese Market Overview

In 2011 manganese production estimated 000 million metric tons, a 1.6% increase from that of 2010.

Table 1. World mine production of manganese, 2006-2011, thousand metric tons

2006	2007	2008	2009	2010	2011

Figure 1. World mine production of manganese, 2006-2011, thousand metric tons

The leading producer of manganese ore is China with about 33% of world total.

Table 2. Manganese ore: world mine production, by country, 2010-2011, thousand metric tons

Country	2010	2011
Australia		
Brazil		
China		
Gabon		
Ghana		
India		
Kazakhstan		
Mexico		
South Africa		
Ukraine		
Other		
World total (rounded)		

Figure 2. Manganese ore: world mine production structure, by country, 2011



The leading producer of ferro- and silicomanganese is China with about 61% of world total.

Table 3. Ferro- and silicomanganese production, by country, 2010-2011, thousand metric tons

Country	2010	2011
Argentina		
Australia		
Brazil		
China		
Egypt		
France		
Georgia		
India		
Indonesia		
Italy		
Japan		
Kazakhstan		
Mexico		
Norway		
Poland		
Russia		
Slovakia		
South Africa		
South Korea		
Spain		
Ukraine		
Venezuela		
World total (rounded)		

Figure 3. Ferro- and silicomanganese production structure, by country, 2010-2011, thousand metric tons



3. LATIN AMERICAN MARKET OF MANGANESE

3.1. Brazil

Production change in 2011 YoY: no change

Consumption change in 2011 YoY: up 8.8%

Table 4. Manganese production and consumption in Brazil, 2006-2011, metric tons

	2006	2007	2008	2009	2010	2011
Production						
Consumption						

Figure 4. Manganese supply and demand trends in Brazil, 2006-2011, metric tons

Producers

Vale SA

PO Box: 20.030-900

Av. Graça Aranha # 26, Centro

Rio de Janeiro, Brazil

Phone: 55-21-38144477 | 55-21-38148888

Fax: 55-21-38148820

Website: <http://www.vale.com/>



Foreign Trade

Table 5. Export and import of Manganese ores and concentrates in Brazil, 2006-2011

	2006	2007	2008	2009	2010	2011
Export, thousand \$						
Export, tons						
Import, thousand \$						
Import, tons						
Trade balance, tons						

Figure 5. Export and import dynamics of Manganese ores and concentrates in Brazil in 2006-2011, metric tons

Figure 6. Trade balance of Manganese ores and concentrates in Brazil in 2006-2011, metric tons

Table 6. Structure of Manganese ores and concentrates export by Brazil in 2010-2011

Period / Brazil - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share,%
2010				
total				
including:				
China				
France				
India				
Argentina				
Spain				
Norway				
Ukraine				
Venezuela				
Colombia				



Mexico				
2011 total including: China France Argentina Norway Venezuela Ukraine Iran USA Colombia Poland				

Table 7. Structure of Manganese ores and concentrates import by Brazil in 2010-2011

Period / Brazil - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share,%
2010 total including: South Africa Japan China Germany Peru Argentina				
2011 total including: Japan China Argentina USA Germany				



Table 8. Export and import of Ferromanganese in Brazil, 2006-2011

	2006	2007	2008	2009	2010	2011
Export, thousand \$						
Export, tons						
Import, thousand \$						
Import, tons						
Trade balance, tons						

Figure 7. Export and import dynamics of Ferromanganese in Brazil in 2006-2011, metric tons

Figure 8. Trade balance of Ferromanganese in Brazil in 2006-2011, metric tons

Table 9. Structure of Ferromanganese export by Brazil in 2010-2011

Period / Brazil - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share,%
2010 total including: Argentina USA Netherlands Chile Paraguay Bolivia (Plurinational State of)				
2011 total including: Argentina Chile Spain				



USA				
Colombia				
Ecuador				
Paraguay				
Peru				
Uruguay				
Bolivia (Plurinational State of)				

Table 10. Structure of Ferromanganese import by Brazil in 2010-2011

Period / Brazil - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share,%
2010 total including: France South Africa Switzerland Mexico Zambia India Venezuela Bahrain China				
2011 total including: France South Africa Norway Switzerland Venezuela Mexico China China, Hong Kong SAR				



Table 11. Export and import of Silicomanganese in Brazil, 2006-2011

	2006	2007	2008	2009	2010	2011
Export, thousand \$						
Export, tons						
Import, thousand \$						
Import, tons						
Trade balance, tons						

Figure 9. Export and import dynamics of Silicomanganese in Brazil in 2006-2011, metric tons

Figure 10. Trade balance of Silicomanganese in Brazil in 2006-2011, metric tons

Table 12. Structure of Silicomanganese export by Brazil in 2010-2011

Period / Brazil - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share,%
2010				
total				
including:				
Argentina				
Netherlands				
Peru				
Ecuador				
Uruguay				
Turkey				
Italy				
Japan				
Mexico				
Belgium				
2011				
total				
including:				



Argentina				
Netherlands				
Peru				
Colombia				
Ecuador				
Spain				
Italy				
Venezuela				
Mexico				
Paraguay				

Table 13. Structure of Silicomanganese import by Brazil in 2010-2011

Period / Brazil - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share,%
2010 total including: Ukraine Norway South Africa Austria Venezuela India USA				
2011 total including: Norway Mexico India China Luxembourg USA France				



Table 14. Export and import of Manganese and articles thereof, including waste and scrap in Brazil, 2006-2011

	2006	2007	2008	2009	2010	2011
Export, thousand \$						
Export, tons						
Import, thousand \$						
Import, tons						
Trade balance, tons						

Figure 11. Export and import dynamics of Manganese and articles thereof, including waste and scrap in Brazil in 2006-2011, metric tons

Figure 12. Trade balance of Manganese and articles thereof, including waste and scrap in Brazil in 2006-2011, metric tons

Table 15. Structure of Manganese and articles thereof, including waste and scrap export by Brazil in 2010-2011

Period / Brazil - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share,%
2010				
total				
including:				
USA				
Japan				
Sweden				
South Africa				
Netherlands				
China				
Argentina				
Uruguay				
Peru				
Chile				
2011				



total				
including:				
Japan				
USA				
Argentina				
Peru				
Chile				
Paraguay				
Uruguay				

Table 16. Structure of Manganese and articles thereof, including waste and scrap import by Brazil in 2010-2011

Period / Brazil - Partner	Trade value, \$	Net weight, kg	Average price, \$/kg	Country share,%
2010				
total				
including:				
China				
South Africa				
Luxembourg				
Viet Nam				
China, Hong Kong SAR				
France				
USA				
United Kingdom				
India				
Spain				
2011				
total				
including:				
China				
South Africa				
China, Hong Kong SAR				
Viet Nam				
USA				



United Kingdom				
India				
Sweden				
Mexico				
Germany				