



HEALTH, SAFETY & ENVIRONMENT REPORT 2009

Nufarm Brazil, Fortaleza

**Nufarm is growing to service the Brazilian agricultural market. Implementation of People Development Process
 Launching new products - Implementation of Emergency Response Team - Waste Disposal Management.**

The plant

The plant is located in Maracanaú, in the State of Ceará. It is served by 2 harbours and an international airport through which raw materials are transported and delivered. The facility is located in an industrial district with 75 industries and a total workforce of approximately 15,000 people. The district also holds one of the major water treatment plants in South America. Today, Nufarm Brazil is an industrial park of 161,000 square meters covered with buildings of 41,000 square meters and about 300 employees. Nufarm Brazil contributes socially to the development of the municipality of Maracanaú by generating labour for the local population. The company also contributes through environmental protection programs linked with diverse safety processes, gas emission control, ozone generators and water treatment plant.

Health and safety performance

Last year, one man was injured during fire fighting training, when he received some rope burns. Also, our nurse broke a bone in her left hand while providing health care to an employee who was suffering a personal illness at the time.

As part of our safety program, in order to safeguard our employees and assets, we invested in the formation of a fire fighting team. 40 employees were selected and then properly trained in order to use the fire fighting equipment available on the site.

We are happy with the remodelling of the management building with newer and safer electric installations, and the security system for quick evacuation and two additional exits.

In order to offer more safety to staff, Nufarm trained 17 employees from different sectors as volunteer first aiders, thus contributing to the medical service. This group was trained to provide first aid before the victim is taken to medical facilities. For this purpose, emergency kits were placed all over the site for paramedical care containing stretchers, neck holders, and other first aid supplies. In 2008, we responded positively to the increasing demand for new safety corporate procedures across the site. 14 new safety procedures were successfully implemented pertaining to Incident Communication and Investigation, Accident Communication and Investigation, Personnel Access Control, Risk Work Authorisation, Contractors, Safety Integration, Waste Disposal, Working Environment, High Place Work Safety Measure, Excavating Work, High Temperature Work, Use of Safety Equipment, and Safety Tags.



Aerial view of Nufarm Brazil

Nufarm Brazil employee training programs

We set up a continuous training program with the purpose of further developing HSE culture on our site. We are proud to claim that in 2008 Nufarm Brazil endeavoured to guarantee safety to all employees. We take the opportunity to stress that 1% of the total working hours was dedicated to training, aiming at improving safety, environmental and health culture across the site. The table below outlines the time involved.

Course	Training man hours
Fire fighting training	1800
First Aid training	400
HSE Culture	289
HSE Corporate Procedures	4046
Internal Accident Prevention	280
Total hours on safety training	6815

Fire Fighting

In 2008 we implemented a fire fighting prevention system with a volume of water of 2,000 m³ for possible severe accidents in the plant. This system contains a jockey pump for low discharge, an electric pump for a more powerful discharge and an auxiliary diesel pump in case there is a power failure.

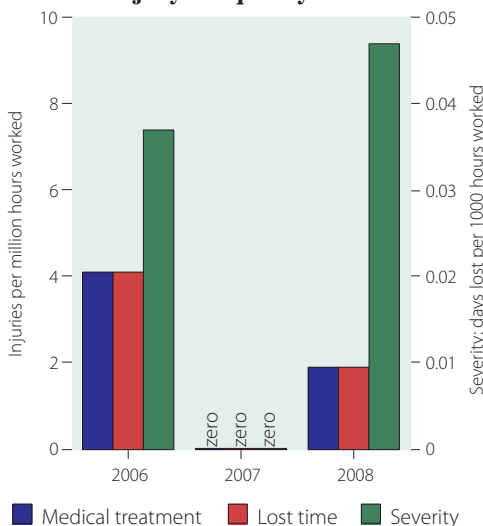


For respiratory protection in adverse situations, we acquired protective masks and air supply sets according to our core principles of value addition and safety.

Confined space is a problem! It is something that Nufarm Brazil takes seriously. In 2008, new equipment called explosimeter was acquired in order to detect and measure concentrations of combustible gases in the air inside confined spaces during maintenance operations.



Injury Frequency Rates



Note: All lost time injuries are also counted as medical treatment injuries

Energy use

We are a modest user of power, as we formulate and package agricultural products. Power consumption rises and falls with production volume. We introduced a number of energy saving programs in 2008 that should show up in efficiencies in future years.

Our products are filled into small containers suitable for handling by our customers. To ensure prompt supply of empty containers, our container supplier has built a 'bottle' plant on our site.

While we report on their energy use (see table below), it is not part of the energy use of the Nufarm formulation operation. During the year, we upgraded our substation #2, replacing all components and installed the latest equipment, improving the power factor and decreasing the use of reactive consumption. We also replaced the electrical, air conditioning and lighting cabling as well as the electrical panels in the administrative buildings. The impact on safety and power factor was dramatic.

Energy use	2006	2007	2008
Oil BPF tonne	49	48	58
Diesel tonne	25	33	0
Electricity MWhr (plant)	1,513	1,909	1,781
Electricity MWhr (in house bottle plant)	0	482	3,496

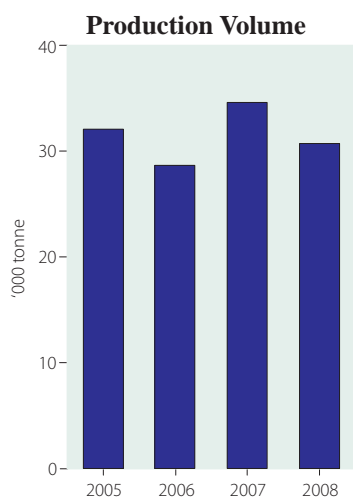
Wastes

We have developed environmental and health protection actions. The site has identification, storage and waste disposal procedures already spread all over the plants. In order to carry out those procedures, we have a waste collection station.

We keep drums in a specific place so as to avoid exposure to bad weather and possible odour emissions into the community. With this purpose, we invested in the enlargement of the waste collection station by building a shed for the containers. During the year, there were negotiations with Government bodies to obtain authorisation for external destruction of some of our wastes. While the authorisation was being obtained, that waste (in drums), was accumulated on site, hence we did not send any waste for incineration during the year.



Tonne	2006	2007	2008	Destination
Residues	28.7	153.8	130	Incineration
Soluble materials incl BOD	0.78	0.214	0.081	Sewer
Metals	.0048	0.0007	0.0003	Sewer
Plastics	144	82.5	39.4	Reprocessing
Steel drums	511	549	863	Steel recovery
Cardboard	45.6	32.8	124	Recycling



Award

On April 24th, we received an award for including the warning 'Caution Poison' in braille (both English and Portuguese) on all of our packages.

Expenditure

The largest single item of capital expenditure was the upgrading of the fire water ring main and associated fire fighting equipment. Another large expenditure was for paving of some of the internal roads. This has reduced the risk of injury to our people, especially to our forklift drivers.

External training was provided by a specialist company to a Nufarm emergency team in the use of the fire fighting system and equipment.

	\$A	2007	2008
Capital for safety		87,890	1,802,690
Safety Training Costs		9,294	4,145
People or safety equipment		125,880	14,017
Salaries for people on safety		190,624	154,070
Cost of workplace monitoring		40,071	4,605
Total expenditure, safety		453,850	1,979,526
Capital for environment		416,825	658,622
Environmental monitoring, internal		0	5,471
Environmental monitoring, external		9,294	9,892
Environmental training		40,071	0
Environmental licence		15,116	28,845
Other environmental expenditure		1,669,000	1,141,424
Total expenditure, environment		2,150,000	1,844,254

Complaints

There have been complaints from the community due to odour emissions in the past. The investments in odour control in the insecticides manufacture has resulted in a major decrease in the number of complaints, in fact, there have been no odour complaints in 2008 following this investment.

	2006	2007	2008
Total complaints	9	6	1
Accepted	9	2	1
Not Nufarm	0	1	0
Doubtful	0	3	0

Nufarm swimming team

The Nufarm swimming team is 3rd time national champion (2006-2007-2008) in the National Industry Sports Competition. In 2008, the swimming team was also placed first in the Regional Industry Contest (9 states), and were the major medals winners.



Address: Av. Parque Sul, 2138 – 1º Distrito Industrial
Maracanaú – Ceará - Brasil
Telephone: +55 85-3215.1000
Facsimile: +55 85-3215.1042 **Website:** www.nufarm.com