



HEALTH, SAFETY & ENVIRONMENT REPORT 2009

Colombia

Nufarm Colombia, located near Cali, Colombia, formulates and packages agricultural products.

The plant

The plant is located in the Trocadero Industrial Park 14 km from Cali (Valle de Cauca) at Puerto Tejada (Cauca). It is in the heart of sugar cane country, being surrounded by some 200,000 ha of cane. The plant commenced operations at this location in 2002 and produces and packages agrochemical products, mainly herbicides, fungicides and insecticides.

Health and safety performance

During 2008 we suffered three injuries that resulted in lost time:

- One person cut his hand when he put it in his pocket and was cut by a knife in the pocket, 6 days lost
- A person fell down some steps and twisted her ankle, 24 days lost
- A person stumbled and cut his hand when the fluorescent lamp he was carrying broke, 3 days lost

We are currently working with ARP (Professional Risk Management), a private consultant company who is helping us to produce safety procedures and then, assisting us in training our people in those procedures.

Safety procedures, as they are written, are placed in the Nufarm global procedures database.

Our CCTV system has been upgraded

We have purchased two SCBA sets and trained people in their use.

We have purchased three mobile foam generators for fire fighting. Thermographic testing has been done on our electrical installations, and earthing continuity has been checked.

The safety committee has been meeting regularly in the plant.

Our statistical performance is in the table below.

	LTIFR	MTIFR	Severity
2006	9.77	13.02	0.231
2007	2.8	2.8	0.006
2008	9.2	9.2	0.099

LTIFR = Number of lost time injuries per million hours worked

MTIFR = number of lost time injuries and medical treatment injuries per million hours worked

Severity = number of days lost per 1000 hours worked

Achievement in Production

In the continuing measurement of our processes improvement options, our team has found improvements which they have introduced into the plant. Our GLYPHOSATE 480 SL formulation process has decreased the manufacturing time by 36%, increasing our daily production capacity by 23%, due to some physical and procedural changes, for example the process of packing GLYPHOSATE 747 SG 60gr product. The development of a new packaging

(box and foil pouch) and the purchase of a continuous band sealing machine is able to increase the performance of the line by 400%, when measured in units / hour.



Energy performance

We are a small user of energy, as can be seen from the usage figures in the table. The consumption of energy has increased due to the installation of new machinery to grow our production capacity and the separation of production packing lines dedicated to each

	MW hr	Production tonnes	MW hr / tonne
2006	65	3,318	0.0194
2007	125	4,056	0.0307
2008	96.5	3,348	0.0288

type of product: herbicides, fungicides and insecticides.

Expenditure

We have had close control of our expenditures over the last few years. Following the HS&E audit, we were able to invest more in equipment and in training our people.

The most significant expenditure last year and this year has been the ASINFAR program. This program is one which collects used agrochemical packaging from around Colombia, for recycling or final disposal of plastic and wood.

A new system of domestic waste water treatment stations was installed

as well as solid waste collection based on classification and

segregation at source.

	\$A	Col peso
2006	110,000	180,000,000
2007	238,800	433,144,000
2008	258,400	442,860,000

Wastes

The table below shows the quantity and destination of waste from our site over the last three years.

The material sent for incineration consists of cardboard, some bags and bottles which are contaminated with products. It also includes activated carbon after use in our water treatment plant. The overall amount of waste generated has not changed significantly over the last three years.

Waste destination (tonne)	2006	2007	2008
Recycling	35.4	64.4	60.6
Internal re-use	30.7	53.2	16.4
Landfill	7.0	18.7	7
Incinerator	39.6	0.1	40.5
River - waste water contents	0.04	0.01	0.009
Total	112.8	136.3	124.6



Nufarm, Colombia

We aim to carry out our business with no adverse effects on our people, the community or the environment. We strive for sustainable development and continuous improvement.

Forklift training

Forklifts can be dangerous unless the people who drive them have been properly trained. To ensure our people can work safely, we provide training on our own site. The photo shows one of the drivers being shown how to manoeuvre a forklift safely in a narrow space.



Health day

Nufarm employees and their relatives spent a day (Health Day) with medical services getting information on a variety of issues, including sexual education. Basic dental treatment was part of the day, while games were provided for the children.

This day is devoted to the integration of the administrative area with staff workers and their families by providing different types of health services, recreation and culture, training in the care of family and home were some of the topics. The event finished with a soccer championship in which the protagonists were the plant workers.



Fire fighting training

To improve the safety of the plant, we carry out annual training in fire fighting so that, if we ever have a fire, our people know what to do to extinguish it.

We also have our people trained in first aid in case someone is injured on site.



Community

Throughout the year and especially at Christmas time, the families and children of our community and their happiness are a priority for our company. At this time, our kangaroo Matilda, delivers gifts to the children of the villages, giving a little joy to our allies along the path of progress and development.



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