



# **HAITI RELIEF AND REHABILITATION PROJECT- HURRICANE NOEL**

## **FINAL REPORT**

**December 15, 2007 - to October 15, 2008**

**For  
The UNITED STATES AGENCY  
FOR INTERNATIONAL DEVELOPMENT**

**OFFICE OF FOREIGN DISASTER ASSISTANCE**

**GRANT NO. DFD-G-00-08-00052-00**

**January 14, 2009**

**Submitted by:**

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**FINAL REPORT**

**REPORTING PERIOD**

**December 15, 2007 – October 15, 2008**

**GENERAL REFERENCE**

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- C. AID AGREEMENT NO.** DFD-G-00-08-00052-00
- D. DATE OF THIS REPORT** January 14, 2009
- E. PROGRAM TITLE** USAID/WCDO Haiti Relief and  
Rehabilitation Project – Hurricane Noel
- Country/Region** Haiti/ South Department  
**Type of Disaster/ Hazard:** Increase Livelihood Security

**PROGRAM OVERVIEW AND PERFORMANCE**

**Program Goal:** To save lives and alleviate suffering caused by Hurricane Noel through restoring the livelihoods of subsistence farmers.

**Objective #1:** Improve household livelihood and food security for crop and livestock farmers most affected by Hurricane Noel.

**Number/Type of Beneficiaries targeted:** A total of 2,050 beneficiaries were targeted, of which 1,550 were to receive agricultural inputs and 500 were to receive animals (goats/sheep). **Final results:** A total of 2,091 beneficiaries were reached, of which 1,550 beneficiaries received agricultural inputs and 541 received animals.

**Dollar Amount Requested from OFDA:** \$150,000; **Dollar Amount Used from OFDA:** \$150,000

**ACTIVITIES ACCOMPLISHED**

In January 2008, WCDO received the Pre-Approval Letter from the OFDA/USAID to launch this relief and rehabilitation project in South of Haiti for those suffering from the effects of Hurricane Noel. To implement the project the following activities were accomplished:

### **Recruit project staff**

To launch the project and implement the activities WCDO recruited a project manager, two field supervisors, an accountant, a secretary, a driver and 20 agricultural/veterinary agents. Once recruited, the staff was oriented in the management of the project. They were well trained and motivated to achieve the goals of the project. They have worked in conjunction with the local authorities and other agencies involved in relief projects in the localities where this project was implemented.

### **Identify and select seed and pharmaceutical suppliers**

Many seed suppliers were contacted to supply the project with the different agricultural materials which the project needed. After receiving their bids, WCDO selected AGRITECH to provide to the project 5 Metric Tons (MT) of Maize/corn (*Zea mays*), 10 MT of Black Beans (*Phaseolus vulgaris*), 2 MT of Rice (*Oryza sativa*), and 50,000 yam cuttings (*Dioscorea* spp). DAWILL VERTE was selected to provide 3,000 fruit tree seedlings, which included 1,200 Mango (*Mangifera indica*), 450 Avocado (*Persea Americana*), 200 Guava, and 1,150 Citrus (*Citrus* spp) seedlings. Christian Veterinary Mission provided the medicines for the treatment of the goats (anti-parasite medicine). All agricultural inputs and veterinary medicines were procured in accordance with the terms set forth in WCDO's program description included in the grant award dated February 15, 2008.

### **Select project beneficiaries**

A survey was taken to identify the potential beneficiaries of the project. The selection criteria was discussed and then distributed to the local committees, in conjunction with the agricultural/veterinary agents, to identify the beneficiaries. One application was designed for the beneficiaries receiving agricultural inputs and one for those receiving animals. The local committee, in conjunction with the Civil Protection Committee, filled out a form for each beneficiary. The forms were then submitted to the WCDO office to be evaluated and priority was given to those families who lost their garden or their livestock during the hurricane and were not able to re-establish their herds. 55% of the beneficiaries were women.

### **Distribute seeds to the beneficiaries.**

Before receiving the seeds, each beneficiary filled out a form and signed a contract with the project. The purpose of the contract was to insure that the beneficiary would plant the seeds received from the project. A total of 2,091 beneficiaries were selected, of which 1,550 received agricultural inputs and 541 received goats or sheep. WCDO exceeded this objective by 41 beneficiaries (the original target was 500 beneficiaries to receive animals). Each farmer received a seed package sealed with the USAID logo containing one type of seed. Each package (per beneficiary) was 15.5 kg of black bean seeds or 7.75 kg of corn seeds or 12.5 kg of rice or 500 yam cuttings.

Locations	Seeds distributed				Number of Beneficiaries				Total
	Black Bean Phaseolus vulgaris MT	Corn Zea Mays MT	Rice Oryza sativa MT	Yam cuttings Dioscorea spp	Black Bean Phaseolus vulgaris	Corn Zea Mays	Rice Oryza sativa	Yam cutting Dioscor ea spp	
Cavaillon	1				64				64
Camp Perrin	2	1			131	129			260
Chantal	2	1	0.50	10,000	128	129	40	20	317
Ducis	1	1			64	129			193
Leprete				15,000				30	30
Torbeck			1.50				120		120
Maniche		2				258			258
Port à piment	1				64				64
Rendel	1			25,000	64			50	94
Les Anglais	2				130				130
<b>Total</b>	<b>10</b>	<b>5</b>	<b>2</b>	<b>50,000</b>	<b>645</b>	<b>645</b>	<b>160</b>	<b>100</b>	<b>1,550</b>

1,550 beneficiaries (100% of the targeted beneficiaries) have received agricultural inputs. 645 farmers received black bean, 645 farmers received corn, 160 farmers received rice seeds and 100 farmers received yam cuttings.

**Train beneficiaries in food production: Training for beneficiaries receiving agricultural inputs**

Once seeds were distributed to the farmers, a one-day training session was held in their respective locality. To organize the training on the field, WCDO contracted two agronomists to assist the field agents with the training for the beneficiaries. The field agents were selected from among the most capable in the communities and have basic skills in food production and weed control. The training was to help them improve their knowledge of agricultural production. During the lifetime of the project, 1,550 farmers were trained on agricultural practices of major crops, integrated pest management and improving soil fertility. Specifically related to rice production, the following topics were discussed with the beneficiaries: land selection, water requirements and management, seedbed preparation, varieties and seeding dates, seed treatments, fertilization, weed control, performance of rice varieties, insect control, disease control, harvesting and storage.

**Farmers receiving training:**

Period	Number of beneficiaries	Percentage
January-March 08	645	41.61%
April – Mid June 08	765	49.36%
End of June	140	9.03%
<b>Total</b>	<b>1,550</b>	<b>100%</b>

- **Purchase, treat and distribute goats/sheep to the beneficiaries**

WCDO used our previous experience in animal husbandry in the south Haiti peninsula and our strong partnerships with the local committees to ensure the smooth implementation of this activity. A contract was signed between WCDO and the local committees to supply the project with 1,000 goats/sheep. According to the contract, the local committees agreed to buy the goats or sheep in the local markets and carry out the distribution conjointly with the project staff. Each animal was treated for internal and external parasites and vaccinated. With the three month no-cost extension, the project was able to add 41 new beneficiaries in the animal distribution component; an additional 82 goats were purchased and distributed to 41 families.

By distributing the goats/sheep to the beneficiaries in their respective locality, we trained and encouraged them to take care of their animals. During the seminars we discussed livestock production systems that are non-damaging to the environment or to other farmers' fields and improved forage production by planting grasses such as Elephant grass (*Pennisetum purpureum*), Guinea grass (*Panicum maximum*), or forage legumes such as *Glyricidia sepium* or *Leucaena leucocephala*. In the contract that WCDO signed with them, they have a commitment to keep the animals for reproduction.



*Goat distribution*

World Concern veterinary agents will conduct regular follow-up visits to assure that the beneficiaries continue to take care of the animals. We vaccinated and treated them for internal and external parasites at the time of distribution. Additional veterinary clinics will be organized in their localities, at their expense, to keep the animals in good health.

During the project, 1,082 goats/sheep were distributed to 541 families (108%), each having received a pair of goats or sheep. Most of the beneficiaries are vulnerable women. Most have expressed that this is the biggest gift they have received after losing all their assets during Hurricane Noel.

<b>Distribution of Goats/Sheep</b>		
<b>Location</b>	<b>Quantity of Animal</b>	<b>Number of beneficiaries</b>
Pelerin	40	20
Chantal	40	20
Cavaillon	80	40
Coteaux	110	55
Camp Perrin	172	86
Chardonnières	100	50
Aquin	80	40
Ducis	80	40
Faugasse	80	40
Morency	80	40
Torbeck	80	40
Leprete	140	70
<b>Total</b>	<b>1,082</b>	<b>541</b>

### **Distribute tree seedlings**

3,000 grafted fruit tree seedlings (100% of planned) were ordered from local nurseries and have been distributed to 300 project beneficiaries. Four tree species were selected for distribution. These include mango (*Mangifera indica*), avocado (*Persea Americana*), guava (*Psidium guajava*) and citrus (*Citrus spp*). The tree seedlings were all distributed and planted during the rainy season. These species are commonly found in the region and are all well-adapted to the local conditions.

The beneficiaries receiving seedlings were selected from those receiving agricultural inputs or animals and are included in the beneficiary count of the agricultural and animal input beneficiaries. The seedlings were distributed depending on the needs of the farmers. The locations selected to receive the tree seedlings were Ducis/Dubreuil, Chantal, Rendel and Cavaillon.

At Chantal, three orchards were established with about 30 seedlings in each species. At Ducis, two orchards were established with about 50 trees each. The planting of the tree seedlings is helping to restore tree cover, reduce soil erosion and ensure the long-term diversification of the rural families' source of income.

<b>Distribution of tree seedlings</b>						
<b>Locality</b>	<b>Mango</b>	<b>Avocado</b>	<b>Citrus</b>	<b>Guava</b>	<b>Total seedlings distributed</b>	<b>Total beneficiaries</b>
Cavaillon	100	100	200	200	600	60
Chantal	600	250	400		1,250	125
Ducis/Dubreuil	250	100	300		650	65
Rendel	250		250		500	50
<b>Total</b>	<b>1,200</b>	<b>450</b>	<b>1,150</b>	<b>200</b>	<b>3,000</b>	<b>300</b>

When the seedlings were distributed, the beneficiaries were trained in seedling planting to ensure the best survival rate. The training sessions focused on general principles of tree planting, watering, fertilizing, composting, trimming and pruning. The agricultural agents regularly monitored the planting to offer assistance and advice where needed.

### **Information, coordination and services with other agencies**

In order to avoid duplication and the wasting of resources, WCDO organized different meetings with the Civil Protection Committees of different communities working with the project, the CRS team and the representative of the Agricultural Ministry of the South Region. During the meetings, WCDO shared with each partner the content of the project and the communities that were targeted by the services. With the assistance of the Civil Protection Committee and local farmers associations, WCDO made the list of beneficiaries according to the criteria previously set up.

### **Problems encountered**

In Cavaillon during the month of March 2008, the farmers faced a severe drought period; at that time they could not plant the black bean seed they had received. However, the beans were planted later which allowed for a good harvest. Also in some regions, some of the animals distributed to the beneficiaries were killed by the last hurricanes. In total, 132 were lost, as shown in the following table:

<b>Localities</b>	<b>Number of animals</b>
Chardonnières	32
Leprete	34
Camp Perrin	26
Aquin	15
Ducis	13
Torbeck	12
<b>Total</b>	<b>132</b>

**Project Progress According to Indicators**

	Indicator	No. of Beneficiaries Targeted	No. Reached Jan-Mar 08	No. Reached Apr-July	Total	Percentage achieve
Seeds & Agricultural Inputs	Farmers receiving agricultural inputs	1,550	1,450	100	1,550	100%
	Farmers receiving seeds	1,450	1,450	0	1,450	100%
	Farmers receiving tree seedlings	100	0	100	100	100%
	Tree seedlings distributed	3,000	0	3,000	3,000	100%
	Farmers receiving training	1,550	645	785	1,430	92%
Livestock	Farmers receiving animals	500	0	541	541	108%
	Animals vaccinated	1,000	0	1,082	1,082	108%

• **Impact of the project**

According to the testimony of the farmers, the report of the field agents and the report of the evaluation, the project has had a positive impact on the livelihood of the beneficiaries.

Seeds	Quantity distributed (MT)	Quantity harvested (MT)	Price on the local market MT/ \$US	Total Value in \$US
Black Bean	10	61	2,750	167,750
Corn	5	60	1,125	67,500
Rice	2	10	1,125	11,250
<b>Total</b>	<b>17</b>	<b>131</b>	<b>5,000</b>	<b>246,500</b>

- **Project Monitoring & Evaluation**

The project field staff collected data from the beneficiaries on a regular basis. The data collected on animal husbandry included breeding date, birth date, birth weight, animal feeding, birth rate, pasturage, animal offspring returned to the project and any losses recorded during the last hurricanes. Data collected on agriculture included areas planted in the different crops, crop yield, crop management and storage. The data collected was analyzed by the technician and the project coordinator to evaluate the results. Once a month, the project coordinator, assisted by the south office Coordinator, held a meeting with the field agents and all the project staff. During those meetings, they discussed the results of the project; the problems encountered and determined solutions.

At the end of the project, a consultant was contracted to evaluate the project results. The first draft of the report submitted to WCDO has shown that all the objectives planned for the project (seeds and animal distribution, training) were completed as proposed to OFDA. This evaluation has been received in French and is available upon request.

**Success Story: TANIA SIMEON**

Tania is a woman who lives in Maniche, a commune in the South Department of Haiti. She is 45 years old and is the mother of eight children, four daughters and four sons. During Hurricane Noel, Mrs. Simeon lost almost everything she owned, including her animals and gardens.

After the hurricane, she was unable to take care of her children and herself and found herself in a very difficult economic situation. It was impossible for her to pay for her children's school tuition. When the OFDA project was implemented in her community, Tania was selected as one of the beneficiaries of the project. She received 15 pounds of corn seeds from the project in April 2008. From planting to storage, Tania benefited from the technical assistance of the project staff, particularly from the agricultural agent working in her locality. She received training in corn production. In July she harvested 750 pounds of corn. She considers this an excellent harvest, even though some of her neighbors harvested more than she did. She sold 500 pounds of corn at \$0.37/pound and kept some for cooking and some for seeds for the next planting season.



*Tania Simeon*

She recently stated that with the training she received from the project and the corn seeds she has available now, she hopes to be able to work her garden in the next planting season

without any outside help. She thanks OFDA/USAID and WCDO for bringing hope to her family and to other people in Maniche.