

Standard Summary Project Fiche

1. Basic Information

- 1.1 **Désirée Number:** RO 2002/000-586.04.07
- 1.2 **Title:** Disposal of pesticides
(Re-packaging, collect and elimination of pesticide residues on the Romanian territory)
- 1.3 **Sector:** Agriculture
- 1.4 **Location:** Romania

2. Objectives

2.1 Overall Objectives:

- Reduction of pollution sources within the limits of environment, human and animal acceptance level
- Creation of an environmental-friendly agriculture and rational use of the agricultural potential.

2.2 Project purpose:

- Re-packaging, collect and elimination of pesticide residues on the Romanian territory, which currently constitute important sources for the pollution of the environment (soil, water, air).

2.3 Accession Partnership and NPAA priority

Accession Partnership 2001

- Integrate environmental protection requirements into the definition and implementation of all other sectoral policies with a view to promoting sustainable development

NPAA 2001 – short term

- Preparation a draft law regarding the approval of the amendment of Convention on the control of trans-boundary movements of hazardous wastes and their disposal (Basel Convention).

2.4 Contribution to National Development Plan

Assure the protection of environment, human and animal health, through:

- Sector strategies and programmes for the administration of pesticide residues resulted from agriculture and monitoring of implementation of these programmes by commercial firms and economic operators acting in this sector
- Specific regulations regarding the administration of pesticide residues resulted from agriculture, with the approval of the central public authority for environment protection (Ministry of Water and Environment Protection).

2.5 Cross Border Impact

N/A

3. Description

3.1 Background and justification:

Following several Decisions of the Ministry of Agriculture, Food and Forests (compliant with the legislation in force) issued between 1985 - 1992, a large quantity of pesticide residues and empty packaging (tin and PVC) were stored in the storehouses of the County Phytosanitary Directions.

These stocks were accumulated as a result of:

- Ministerial Order no. 20/1985, which forbade the use in Romania of organic-chlorate insecticides based on DDT (dichlorodiphenyltrichloethane) and HCH (hexachlorocyclohexane)
- The reduction of the utilisation of pesticides after 1985 (in the period 1970-1985, the application dose of pesticide used in agriculture per arable hectare exceeded 30 kg.)

The aggregation forms of the pesticides wastes are the following: liquid, powder and granule.

In addition, the pesticide stocks existing in the storehouses of the former agricultural organisations, CAP (Agriculture cooperative) and IAS (Agriculture State Enterprise), constituted another important source; these stocks were transferred, a part of them, in the storehouses of the county Phytosanitary Directions.

The Ministry of Agriculture, Food and Forests, through its county Phytosanitary Directions, has performed the monitoring of pesticide residues and empty packaging materials according to his attributions stipulated in Law no.85/1995. The total quantity of pesticide residue existing at country level rises up to about 1130 tonnes, out of which:

- Around 400 tonnes can be found in the storehouses of the county Phytosanitary Directions;
- Around 730 tonnes can be found in the storehouses of some economic agents (legal or physical persons from the private sector).

These pesticides are stored in around 340 different storage points all over the country. Additional detail on the quantity of pesticides, storage conditions and storage points are given under annexes 4 and 5.

Taking into consideration that most of the storehouses are not maintained in appropriate conditions, deteriorated, that the packaging materials are in an advanced status of corroding and that, in some cases, there is no way to insure the security of those storehouses, serious implications for human, animal and environmental health could occur. Also, the cans of PVC or tin, bags or polyethylene bags as packages, are the most of them, deteriorated, not proper for manipulation and transport, therefore we consider as necessary the re-packaging of these waste.

Since no adequate facility to eliminate these wastes exist in Romania, it is foreseen to repack these wastes, collect them, temporary store them in Romania and send them in a Member State or a Phare Country signatory of the Basel Convention with adequate facility to treat them (neutralisation, incineration, disposal). The trans frontier shipment

of the waste will be performed in compliance with the relevant UN, Basel Convention and EU regulations, in particular 94/774/EU and 259/93.

3.2 Linked activities:

A similar project (AL960801 – SCR-E/111834/D/W/AL) was financed in Albania for the re-packaging, transport, temporary storage, trans-boundary shipment and disposal of around 250 tons of obsolete pesticides and pesticides wastes. This project was successfully tendered in late 2001 and is now under implementation. Romania will benefit from this experience.

They are no linked activities in Romania.

3.3 Results:

- Elimination of the existing environment pollution sources in compliance with the environmental legislation.
- Provision of measures to prevent accumulation of such toxic residues by drawing up national programs, in co-operation with the Ministry of Water and Environment Protection.
- Reinforcement of the national legal framework, harmonized with the EU legislation provisions in the field, in co-operation with the Ministry of Water and Environment Protection

3.4 Activities:

Component 1 – Disposal of pesticides

Under this component, the following activities:

Repackaging – The original packaging of the pesticides has deteriorated over time so that the total quantity of pesticides will require packaging. Collection and repackaging will be performed after clear identification of the chemicals stored at each site. If there is any doubt, the pesticides will be analysed in order to avoid any mixing of incompatible substances. Any handling of the pesticides wastes shall be performed under strict personal protection conditions. All containers used for repackaging will be UN certified and comply with the adequate standard (e.g. Appendix 5 of the ADR (European Agreement on Road Transport of Hazardous Materials) in its 2nd edition of 1999). The original packaging material will also be repackaged for shipment with the pesticides wastes.

Clean-up of storage sites – After the repackaging operation, all the storage sites will be submitted to a thorough cleaning procedure, using hand tools to remove solid chemicals adhered to the floor and walls and industrial vacuum cleaner to remove the dust (clean-up limited to the removal of chemicals on the floor and walls, no structure material will be touched). The waste collected during cleaning procedure will be packaged and shipped together with the pesticides wastes.

Transport in Romania – The collected wastes will be transported to a suitable site for temporary storage prior to trans frontier shipment. All road transport means will comply with the correspondent safety regulation.

Temporary Storage - A temporary storage of the pesticides wastes is considered necessary to obtain the permits and authorisations according to the Basel Convention for trans boundary road transport. A 24-h surveillance service will be established during the storage time in order to impede access of unauthorised persons to the site.

Trans Boundary Shipment – It includes the withdrawal of the freight containers from the temporary storage sites, road / sea / railway transport to the disposal facility. The transport will be performed according to the EU legislation

Disposal of pesticides wastes – The pesticides wastes will be disposed in a facility located in an EU member state or in a Phare beneficiary country signatory of the Basel Convention. The organic wastes will be disposed of by high temperature incineration in a facility licensed for such work by the relevant national authorities. The inorganic waste (if any) will be stored in a final deposit. The incinerator(s) selected shall be of recent construction and provide the necessary guarantee as regards gas treatment, disposal of the slag, ashes, filter dust and other wastes produced during the incineration.

The estimated budget for this component 1 is €4,2 million

– Polypropylene bags for pesticides waste repackaging EURO	200.000
– Containers for pesticides waste repackaging (liquids) EURO	500.000
– Manual labour for repackaging EURO	200.000
– Manual labour for loading	100.000 EURO
– Cleaning of the storage point EURO	200.000
– Internal transportation EURO	250.000
– Manual labour for loading	50.000 EURO
– International transportation EURO	1.100.000
– Neutralisation (destruction) into an authorised installation EURO	1.600.000

Component 2 – Supervision and Technical Assistance (Independent supervision and technical assistance)

Supervision – An independent supervision will be contracted to make sure that all the existing legislation in the field of environment, transport of hazardous substances, health is applied by the contractor that will perform component 1. The supervisor will carefully monitor the works (re-packaging, cleaning, transport, incineration).

Technical (policy) assistance – This component will also include some assistance to the Ministry of Agriculture in order to prevent such a problem (stocks of unauthorised pesticides) to happen again in Romania. It will review the Romanian legislation, audit the Romanian institutions involved in this issue, and propose a concrete action plan or corrective measures so that Romania is not confronted to a similar problem in the following years.

The estimated budget for this component 2 is €0.6 million

3.5 Lessons learned:

N/A

4. Institutional Framework

Ministry of Agriculture, Food and Forests (MAFF) is the national authority in the field of plant protection, phytosanitary quarantine and products for phytosanitary use (pesticides), which co-ordinates and controls the application of the specific legal provisions through its Phytosanitary Direction.

The Phytosanitary Direction was set up, within the structure of MAFF, as a Direction, by reorganisation of the Phytosanitary Agency. It has in his structures two Services with a total number of 8 employees, and has the following attributions:

- organising the plant protection and phytosanitary quarantine activity at national level, based on an unitary conception, in order to ensure the health of plants under crop, forests, natural pasture lands and hay fields and other useful vegetation forms as well as the health of stored agricultural products;
- elaboration and promotion of draft legal acts in the field of plant protection and phytosanitary quarantine activity as well as the elaboration of the products for phytosanitary use, in order to improve the national legislation and harmonise it with the community legislation;
- control of the enforcement and observance of all legal provisions in the phytosanitary field and in the field of products for phytosanitary use;
- organisation and monitoring of the provision of technical and material endowment of the county and Bucharest Phytosanitary Directions as well as the endowment of the Central Laboratory for Pesticide Residues Control in Plants and Vegetal Products.

The Phytosanitary Direction co-ordinates, from a technical point of view, the following public institutions:

- County and Bucharest Phytosanitary Directions
- The Laboratory for Pesticide Quality Control within the Central Laboratory for Phytosanitary Quarantine
- The Central Laboratory for Pesticide Residues Control in Plants and Vegetal Products
- The Plant Protection Research Institute.

The county and Bucharest Phytosanitary Directions are legal budgetary units, subordinated to the county General Directions for agriculture and food industry, and to Bucharest respectively, and they have the following attributions:

- Testing of the biological action of the products for phytosanitary use, for the certification in production conditions.
- Authorisation of economic operators for marketing activities and for services with phytosanitary-use products
- Pesticide quality control
- Monitoring the entire plant protection activity at country level
- Phytosanitary police activity

5. Detailed Budget

	Phare Support					
	Investment Support	Technical Assistance	Total Phare (=I+C)	National Co-financing*	IFI*	TOTAL
Component 1 Disposal of pesticide	3.15		3.15	1.05		4.2
Component 2 Supervision and Technical Assistance		0.6	0.6			0.6
Total	3.15	0.6	3.75	1.05		4.8

(*) MAAP will provide the necessary co-financing

6. Implementation Arrangements

6.1 Implementing Agency

The Implementing Agency is the Central Finance and Contracts Unit (CFCU) within the Ministry of Public Finances, which retains overall responsibility for the implementation of the project (preparation of tender documents, organisation of clarification meetings, preparation of evaluation criteria, bids evaluation, signature of contracts, authorisation and payments of invoices).

Implementing Agency: Central Financing and Contracts Unit (CFCU), Ministry of Finance
 Address: No. 36-38 Mendeleev St., sector 1 – Bucharest
 Tel: + 40 1 313 66 30
 Fax: + 40 1 315 3536

The Implementing Authority is the Ministry of Agriculture, Food and Forests (MAFF), which is responsible to the Implementing Agency for the preparation of Terms of Reference and participation in the evaluation process, and the operational management of the project.

Implementing Authority: Ministry of Agriculture, Alimentation and Forests
 Contact person: Elena Leaota, Director
 Directorate for plant protection and phytosanitary quarantine
 Address: 24; Carol I Blvd.; sector 3; Bucharest; Romania
 Tel: + 40 1 315 90 29
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For the efficient implementation of the Project, the MAFF will collaborate with the Ministry of Waters and Environment Protection – Direction for Residues and Injurious Chemical Substances.

6.2 Twinning
 N/A.

6.3 Non-standard aspects

There are no 'non-standard aspects'. The Practical Guide to Phare, Ispa, and Sapard contract procedures will be strictly followed.

6.4 Contracts

Component 1 – Disposal of pesticides

According to the PRAG, this sub-project will be tendered through the international restricted tender procedure. One single tender (Phare part and Romanian part) will be launched according to Phare rules. Then the awarded company will sign two contracts, one with the CFCU (Phare funds) and one with XXXX (Romanian funds). Phare funds will not exceed 75% of the total cost of the works.

Component 2 – Supervision and Technical Assistance (independent supervision and technical assistance)

This sub-project will be implemented through one service contract, which will also include limited supply of equipment. According to the PRAG, this sub-project will be tendered through the international restricted tender procedure

7. Implementation Schedule

COMPONENT	Start of tendering	Start of project activities	Completion
Component 1 – Disposal of pesticides	May 2003	November 2003	March 2006
Component 2 – Supervision and technical assistance	May 2003	November 2003	March 2006

8. Equal Opportunity

Equal opportunity for men and women to participate in all the components of the project will be ensured. Considering the type of activity which is envisaged (loading / unloading / packaging / transport), it is likely that more men than women are involved in this project. However, the contractor will keep statistics on the respective participation of men and women in this project.

9. Environment

No negative effects are anticipated

10. Rates of return

N/A

11. Investment criteria

N/A

12. Conditionality and sequencing

- MAAP will provide the co-financing for sub-project 3, and undertakes to finance any additional costs which may arise in order to ensure timely completion of the proposed study

ANNEXES TO PROJECT FICHE

1. Logical framework matrix in standard format
2. Detailed implementation chart
3. Contracting and disbursement schedule by quarter for full duration of programme
(including disbursement period)

Annex 1 - Logframe Planning Matrix Disposal of pesticides <i>(Re-packaging, collect and elimination of pesticide residues on the Romanian territory)</i>		Contracting period expires: 30/11/2004	Disbursement period expires : 30/11/2006
		Total Budget: 4,8 Meuro	Phare budget: 3,75 Meuro
Overall objective	Objectively verifiable indicators	Sources of Verification	
<ul style="list-style-type: none"> Reduction of pollution sources within the limits of environment, human and animal acceptance level Creation of an environmental-friendly agriculture and rational use of the agricultural potential. 	<ul style="list-style-type: none"> Legislative framework according with the Acquis Communautaire 	<ul style="list-style-type: none"> Commission Regular Report Government strategy 	
Project purpose	Objectively verifiable indicators	Sources of Verification	Assumptions
<ul style="list-style-type: none"> Re-packaging, collect and elimination of pesticide residues on the Romanian territory, which currently constitute important sources for the pollution of the environment (soil, water, air). 	<ul style="list-style-type: none"> 1100 to of pesticide residues eliminated 	<ul style="list-style-type: none"> Publications Statistical reports and surveys Quarterly reports of the Project 	<ul style="list-style-type: none"> Government commitment to UE integration
Results	Objectively verifiable indicators	Sources of Verification	Assumptions
<ul style="list-style-type: none"> Elimination of the existing environment pollution sources in compliance with the environmental legislation. Provision of measures to prevent accumulation of such toxic 	<ul style="list-style-type: none"> Number of regions (areas) clean-up by pesticides wastes National programme regarding to prevent accumulation of toxic 	<ul style="list-style-type: none"> Quarterly reports of the Project M&A Reports Romanian harmonized legislation 	<ul style="list-style-type: none"> Availability of government resources Support from other relevant institutions

<p>residues by drawing up national programs, in co-operation with the Ministry of Water and Environment Protection.</p> <ul style="list-style-type: none"> Reinforcement of the national legal framework, harmonized with the EU legislation provisions in the field, in co-operation with the Ministry of Water and Environment Protection. 	<p>residues drew up</p> <ul style="list-style-type: none"> Romanian legislation harmonized with UE legislation 	<ul style="list-style-type: none"> EU directives and regulations International recommendations 	
Activities	Means		Assumptions
<p>Component 1</p> <ul style="list-style-type: none"> Repackaging of pesticides wastes Clean-up of storage sites Transport of collected wastes in Romania Temporary storage of the pesticides wastes Trans boundary shipment Disposal of pesticides wastes <p>Component 2</p> <ul style="list-style-type: none"> Independent supervision Providing assistance to the MAAP in order to prevent the storage of pesticides wastes 	<p>Service procurement contract</p> <p>Technical assistance contract</p>		<ul style="list-style-type: none"> Effective co-operation between MAAP and Ministry of Waters and Environment Protection Both organizations recruit and retain adequate staff
			Preconditions
			<ul style="list-style-type: none"> Money just in time

Annex 2 – Detailed implementation chart																																										
Disposal of pesticides (Re-packaging, collect and elimination of pesticide residues on the Romanian territory)																																										
Compon ents	2002						2003						2004						2005						2006																	
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			
1. Disposal of pesticides										D	D	D	D	D	E	C	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	R					
2. Supervision and TA										D	D	D	D	D	E	C	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	R					
D = Design/Tender preparation C = Contracting I = Implementation/works R = Review/evaluation																																										

Annex 3 – Contracting and disbursement schedule by quarter

Disposal of pesticides

(Re-packaging, collect and elimination of pesticide residues on the Romanian territory)

Components	Cumulative contracting schedule by quarter in MEUR (planned)																		Total Phare Allocation
	2002		2003				2004				2005				2006				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1. Disposal of pesticides						3.15	3.15	3.15	3.15	3.15									3.15
2. Supervision and TA						0.6	0.6	0.6	0.6	0.6									0.6
Total contracting:						3.75	3.75	3.75	3.75	3.75									3.75

Components	Cumulative disbursement schedule by quarter in MEUR (planned)																		Total Phare Allocation
	2002		2003				2004				2005				2006				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1. Disposal of pesticides							0.12	0.50	0.65	0.70	0.78	0.98	1.02	1.85	3.15				3.15
2. Supervision and TA							0.06	0.13	0.19	0.27	0.35	0.42	0.48	0.52	0.6				0.6
Total disbursement:							0.18	0.63	0.84	0.97	1.13	1.40	1.50	2.37	3.75				3.75