



First Progress Report:

Reporting Period from 1 June to 30 September 2006

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GENERAL DATA ON THE PROJECT

Donor number: STDF 114

Title: Validation and transfer to the key stakeholders of a sustainable and effective aflatoxin management system in the Brazil nut production chain for recovering and consolidating export markets, particularly in Europe.

Duration: 1 June 2006 – 31 May 2008 (2 years)

Executing agency: CIRAD (Centre de coopération internationale en recherche agronomique pour le développement), France

Partners:

NFA (National Food Administration), Sweden

CSL (Central Science Laboratory), United Kingdom

R-Biopharm AG company, Germany – As a sub-contractor of CSL

MAPA (Ministério da Agricultura, Pecuária e Abastecimento), Brazil

EMBRAPA (Empresa Brasileira de Pesquisa Agropecuária), Brazil

Specific objectives:

1. Characterization of the Brazil nut production chain, and formulation of organizational and incentive strategies for safety control.
2. Validation of recommended good practices in the Brazil nut production chain for aflatoxin control.
3. Validation and implementation of a rapid aflatoxin surveillance system for use along the Brazil nut production chain.
4. Knowledge and technology transfer to the key stakeholders.
5. To strengthen the public-private dialogue and partnership in the Brazil nut sector.

PROJECT STATUS

1. Describe briefly the major tasks or activities achieved during this reporting period (attach details on available training material, summary reports, etc...)

1.1. Management project activities

The implementation of the SafeNut project consisted of a series of preliminary and essential management actions aiming its good progress.

Administrative arrangements between CIRAD and the other SafeNut partners for partnership formalization and commitment

Contracts of technical and financial cooperation between CIRAD and the other SafeNut partners were prepared by following the model of the contract signed by CIRAD and WTO, in order to commit the SafeNut partners to the execution of the collaborative project activities in a sound financial manner and to respect the STDF and WTO rules. These contracts are:

- A contract between CIRAD and NFA that was already signed,
- A contract between CIRAD and CSL under signature,
- A contract between CIRAD, EMBRAPA and FUNARBE under validation,
- A contract between CIRAD, MAPA and FUNARBE under validation.

In Brazil, institutions usually make project commitments through contractual modalities with private foundations managing their financial resources, and especially when the budgets are coming from outside donors and international projects. For that reason, the FUNARBE foundation (Fundação Arthur Bernades - <http://www.funarbe.org.br/>), legal entity of private law, was selected to facilitate the transfer and management of the financial resources of the Brazilian partners (EMBRAPA and MAPA), as well as prepare their cost statements. CIRAD has already committed this foundation for work within the framework of European projects (INCO-DEV). In accordance with the Article 6 (Sub-contracting) of the CIRAD-WTO contract, the SafeNut general coordinator contacted the WTO for its prior written authorization to assign the contracts with FUNARBE.

Once all the contracts of technical and financial co-operation between CIRAD and the other SafeNut partners are signed, the agreement of co-operation between the R-Biopharm AG company and the project partners will be prepared and also signed. This agreement will specify among others that the company will not make any exclusive or non-competitive contracts signed.

Fund transfer to the SafeNut partners

CIRAD has transferred funds to the SafeNut partners (50 % of their total budget) that have already signed the contract of technical and financial cooperation, i.e. NFA. The pending transfers will be carried out as soon as the signed contracts will be received by CIRAD. In the meantime, CIRAD assumes directly the expenses of the partners as necessary, in particular the Brazilian ones, in order not to compromise the execution of the project activities. The advanced amounts will be deduced from the first fund transfer for these partners.

SafeNut rules to be respected by all the partners

The rules of project running and management, including the STDF and WTO ones, were presented and clarified for the whole consortium members during the SafeNut kick off meeting (see 1.2. Specific Objective 5).

Use of a tool called Lots® for developing a SafeNut action plan

This tool (see www.lots.mindo.com) was brought to the project and presented by Dr. Monica Olsen, NFA and used during the SafeNut kick off meeting (see 1.2. Specific Objective 5). A SafeNut action plan was developed and sent to the project partners for their comments and corrections before dissemination within the consortium and to the WTO.

1.2. Scientific & dissemination project activities

The deliverables and milestones expected during the reporting period are indicated and synthesised below within the corresponding project specific objectives, and also other relevant project progress.

The project started with the organization of the kick off meeting and a first international workshop at mid-July (see below Specific Objective 5). The other SafeNut activities were effectively launched after the kick off meeting, i.e. once the partners have discussed and defined in detail how they were going to organize themselves and interact with each other for the project implementation.

The general coordinator would like to highlight the good cooperation between all the European and Brazilian SafeNut partners for executing the different project activities.

Specific objective 1:

Characterization of the Brazil nut production chain, and formulation of organizational and incentive strategies for safety control

Milestones expected during the reporting period (no deliverable expected):

Research methodology defined by month 3 (August 06)

Secondary data collected, and an Info Gap Matrix constructed by month 4 (September 06)

The activities of the specific objective 1, and the corresponding methodology were discussed in working groups during the kick off meeting and a detailed work plan was prepared. The following two activities, in accordance with the project proposal, were initiated after the kick off meeting:

1. The inventory of the different regulations applied to Brazil nuts for commercialization,
2. The literature review on the current conditions of Brazil nut production and commercialization in the Brazilian States of Acre and Pará.

The collected secondary data are synthesized into two reports (one for each activity) by underlining the information on the Brazil nut production chain still lacking. The synthesised reports will be finalized and delivered until the end of October 2006.

Specific objective 2:

Validation of recommended good practices in the Brazil nut supply chain for aflatoxin control

No deliverable and milestones expected during the reporting period.**Relevant project progress:**

A French student from ENSAR (Ecole Nationale Supérieure Agronomique de Rennes) was identified to support the activity A2.2 (Collection of data) in the state of Acre, during a period of 6 months.

Specific objective 3:

Validation and implementation of a rapid aflatoxin surveillance system for use along the Brazil nut production chain

No deliverable and milestones expected during the reporting period.**Relevant project progress:**

Validation data is currently being examined for both the ELISA and Lateral Flow Devices (LFDs) brought into the project for total aflatoxins in Brazil nuts. This is to ensure that both assays are fit for

purpose for use in the analysis of samples in the project and in the Brazil nut production area and also to provide data for reports.

For technology transfer of the assays, as a first step preparation of material is under way for the course which has been planned for the last week in October 2006.

Specific objective 4:

Knowledge & technology transfer to the key stakeholders

Milestones expected during the reporting period:

Project specific website established by month 3 (August 06)

A project specific website was established and sent to the WTO for prior authorization to put on the internet. This website mainly includes information on the SafeNut project. It will be completed with other relevant information in October 2006 and updated during the entire duration of the project.

Other relevant project progress:

Scientific and specific sector publications

- Announcement of the financing of the SafeNut project by the STDF program in the Electronic Journal of Cendotec, Number 75, March 2006, p. 3 (<http://www.cendotec.org.br/be/be75.pdf>): “Maîtriser la qualité de la noix du Brésil”.
- Announcement of the SafeNut first workshop and kick off meeting in the rubric "Noticias" of the Embrapa Acre web site (<http://www.cpa fac.embrapa.br/>) : “Setores do agronegócio da castanha-do-brasil participam de Workshop Internacional”

Preparation of the two following training courses

- 1) Rapid immunodiagnosics methods for the detection of aflatoxins in Brazil Nuts
- 2) Microbiological analysis of aflatoxin producing moulds by the AFPA culturing method.

These courses will take place at the Embrapa Acre, Rio Branco, State of Acre, Brazil on October 25-27, 2006 (See Invitation in Annex 1).

Reference material

A reference material of freeze dried mixtures of fungi, including aflatoxin producers, and pure cultures of *Aspergillus flavus/parasiticus* have been produced and will be distributed to the partners for use as internal control in mycological analysis.

Specific objective 5:

To strengthen the public-private dialogue and partnership in the Brazil nut sector

Deliverables expected during the reporting period:

Kick off meeting and first workshop by month 2 (July 06)

- ☞ **Kick off meeting** held in Rio Branco, State of Acre, Brazil on July 12-14. (See Program and List of participants in Annex 2 and 3, respectively).

A three days kick off meeting was organized in the Amazon region for the project launch, with the local support of EMBRAPA Acre and the participation of key representatives of all the project partners.

The activities stated in the SafeNut Specific Objectives were thoroughly discussed and their implementation and execution planned in working groups, by using Lots®. The outputs and conclusions were discussed in plenary session. A detailed work plan was elaborated for each project specific objective, including the actions to be carried out (what), methodology (how/where), expected products, human resources (who/responsible for each product) by considering competence and relationships, chronogram (when), follow-up (list of check points to ensure the good progress of the activities) and identified risks. The work plans, as part of the SafeNut action plan, will be disseminated within the

consortium and to the WTO after receiving the comments and corrections of the project partners on the full document.

The administrative and financial rules for project running and management to be respected by all the partners were also discussed and clarified during the kick off meeting.

Field visits were organized on July 15-16: There was a visit of the Brazil nut processing unit of COOPEACRE, Brasília, state of Acre. Unfortunately however, because of problems of access, a visit to Brazil nut production area was not possible.

☞ **International first workshop** on “Prevention and Control of Brazil Nut Contamination by Aflatoxins” held in the auditorium of the EMBRAPA Acre, Rio Branco, State of Acre, Brazil on July 10-11 (see Program, banner, band and list of participants in Annex 4, 5, 6 and 7, respectively).

The SafeNut kick off meeting was preceded by a two day workshop that was organized with the financial support not only of the STDF program but also of the International Nut and Dried Fruit Council (INC). About 60 people participated at the workshop, coming from the three main Brazil nut producing countries (Brazil, Bolivia, Peru) and European countries as partners of the SafeNut project (France, Sweden and United Kingdom). The participants attending the workshop belonged to the scientific community (universities and research centres), the private sector (associations of Brazil nut producers/extractivists, processors and exporters), the government authorities and their services (technical assistance, rural extension, etc.) and Non-Government Organizations. Six speakers (2 from Peru, 3 from Bolivia and one from Brazil) were invited to the workshop and were financed from the SafeNut budget:

- Carlos Diego Bazán, Quality Control and R&D Manager, Candela Peru, Lima, Peru
- Miguel Chavez Pinchi, Professor, Universidad Nacional Amazónica de Madre de Dios –UNAMAD, Puerto Maldonado, Peru
- Brigido Orellana Camacho, Cooperativa Integral Agroextractivistas Campesinos de Pando Ltda (COINACAPA), Pando, Bolivia
- Jorge Cardenas Kanoth, Asociación Campesina de Extractivistas Ecologicos de la Reserva Manuripi (ACEERM), Manuripi, Bolivia
- Rodrigo Ramallo (Forest engineer), Tahuamanu SA, Cobija, Bolivia
- Aguimar Vasconcelos Simões, Technical manager, AGROCON- Projects and consulting in agro-ambient businesses, Manaus, AM, Brazil

The workshop facilitated discussions on the current situation for the Brazil nut sector in the three main Amazon producing countries. This included the results and conclusions of the research work carried out up to now for improving Brazil nut safety and quality as well as the projects and actions undertaken for controlling Brazil nut contamination by aflatoxins. It was also an opportunity for the SafeNut partners to identify and get to know key stakeholders of the Brazil nut sector and in particular those from Peru and Bolivia.

The outputs of the workshop were therefore very useful for the SafeNut kick off meeting, and were synthesized in the SafeNut action plan as “Present Situation: What has happened, where are we today and what insights have we gained? What do we believe about the future?”.

2. Briefly list any issues/ problems which impeded project implementation during this reporting period or which might affect project implementation in the future:

Delay occurred for some administrative arrangements and the transfer of funds between CIRAD and some SafeNut partners. Nevertheless, as mentioned previously, CIRAD assumed directly the expenses of the partners as necessary, in particular those from Brazil, in order not to compromise the execution of the project activities. The advanced amounts will be deduced from the first fund transfers for these partners.

The scientific & dissemination project activities were effectively launched after the kick off meeting; this explains that the first milestones of the Specific Objective 1 were slightly delayed (see 1.2.).

3. Describe briefly any measurable project impacts in the reporting period (as distinct from project outputs)

Through the organization of the first international workshop on “Prevention and Control of Brazil Nut Contamination by Aflatoxins”, the following were reinforced:

- The dialogue and collaboration between the private and public sectors: high participation of both sectors during the debates in plenary session and working groups. It is expected that the SafeNut project will facilitate the continuation of this dialogue and partnership for the future years.
- A regional impact in the Amazon through the participation of key partners from the three main Brazil nut producing countries (Brazil, Bolivia, Peru). The workshop facilitated and strengthened the exchange of scientific and technical information and experiences on Brazil nut issues between the different countries, as well as the dialogue and debate on research results and their application in the Brazil nut production chain and on further research needs.

ANNEXES

Annex 1:

Invitation to the training courses organized in October 2006



SafeNut Project –
Effective aflatoxin management in the Brazil nut production



CONVITE PARA CURSOS

- 1. Métodos rápidos de imunodiagnóstico para detecção de aflatoxinas em castanha-do-Brasil** (máximo de 8 participantes)
- 2. Análises microbiológicas de fungos produtores de aflatoxinas pelo método de cultura em AFPA** (máximo de 20 participantes)

Descrição dos cursos

Métodos rápidos de imunodiagnóstico para detecção de aflatoxinas em castanha-do-Brasil, 25-26 de outubro de 2006.

O curso apresentará a última novidade em kits diagnósticos para detecção de aflatoxinas em castanhas do Brasil.

As técnicas serão ELISA para o uso no laboratório, e um kit mais rápido simple, no formato de Fluxo Lateral, que levará menos que 30 minutos para ser realizado.

O curso consistirá em palestras teóricas e aplicação prática dos kits em laboratório, com demonstração e manuseio.

Organizadores:

John Banks da CSL, UK e Dan Kaplan da R-Biopharm, Argentina.

Análises microbiológicas de fungos produtores de aflatoxinas pelo método de cultura em AFPA, 25-27 de outubro de 2006.

O curso ensinará a técnica de cultivo de fungos em placas utilizando meio AFPA para detecção e contagem simples e rápidas de fungos produtores de aflatoxinas como *Aspergillus flavus* e *Aspergillus parasiticus*.

O curso consistirá de aulas teóricas com demonstrações bem como de aulas práticas onde os participantes terão a chance de praticar o método no laboratório.

Organizadores

Pernilla Johnsson e Ann Gidlund, National Food Administration, Suécia.

Custo

Não será cobrada taxa de inscrição nos cursos ou materiais utilizados. No entanto, não serão cobertas despesas de viagem, estadia e alimentação ficando estas, por conta dos participantes.

Onde?

Os cursos acontecerão na EMBRAPA Acre, localizada na BR 364, quilômetro 14 (sentido Porto Velho – RO), Rio Branco – Acre, Brasil.

Como se inscrever para os cursos?

Através do telefone (68) 3212 3274 ou dos e-mails sac@cpafac.embrapa.br ou dorila@cpafac.embrapa.br. Por favor, especifique o curso de sua escolha.



Annex 2:

Kick off meeting - Program

Wednesday 12 of July, 2006

Meeting introduction and objectives Moderator : Adriana Chagas, CGAL-MAPA	
9h00-9h15	Welcome of participants Catherine Brabet, CIRAD / NEPA-UNICAMP, General project coordinator Monica Olsen, NFA, Scientific project coordinator
9h15-10h00	Presentation of the STDF Brazil nut project (objectives, activities, planning) Catherine Brabet
10h00-10h30	Coffee Break
10h30-12h00	Presentation of the institutions and participants - 15 min for each institution: CIRAD: Catherine Brabet and Isabelle Vagneron NFA: Monica Olsen CSL: John Banks R-Biopharm: Guilherme Andrade MAPA: Eugenia Vargas EMBRAPA: Cleisa Cartaxo
12h00-12h30	Presentation of the objectives and expected outputs of the meeting Catherine Brabet
12h30-14h00	Lunch
Organization and planning of the research activities Moderator : Monica Olsen	
14h00-14h45	Recommendations to the working groups on the main issues to be discussed and the outputs expected + organization of the groups Monica Olsen
14h45- 15h45	Working groups: <ol style="list-style-type: none"> 1) Specific objective 1: Characterization of the Brazil nut production chain 2) Specific objective 2: Validation & updating of good practices 3) Specific objective 3: Validation & implementation of a rapid aflatoxin surveillance system
15h45-16h15	Coffee Break
16h15-17h15	Working groups: Specific objectives 1, 2 & 3

Thursday 13 of July, 2006

Organization and planning of the research activities Moderator : Monica Olsen	
9h00-10h30	Working groups: Specific objectives 1, 2 & 3
10h30-11h00	Coffee Break
11h00-12h30	Working groups: Specific objectives 1, 2 & 3
12h30-14h00	Lunch
14h00-15h00	Presentation of the outputs and conclusions of the working groups 1, 2 & 3 (30 min each) followed by a discussion Rapporters of the WG 1, 2 & 3
15h00-15h30	Coffee Break
15h30-17h30	Presentation of the outputs and conclusions of the working groups 1, 2 & 3 (30 min each) followed by a discussion Rapporters of the WG 1, 2 & 3

Friday 14 of July, 2006

Dissemination of the project information and results Moderator: Cleisa Cartaxo, Embrapa Acre	
9h00-10h30	Working groups: 4) Specific objectives 4 & 5: Training courses, final workshop & progress meeting 5) Specific objective 4: Website, leaflet, TV programmes, ...
10h30-11h00	Coffee Break
11h00-12h30	Working groups: Specific objectives 4 & 5
12h30-14h00	Lunch
14h00-15h00	Presentation of the outputs and conclusions of the working groups 4 & 5 (30 min each) followed by a discussion Rapporters of the WG 4 & 5
15h00-15h30	Coffee Break
15h30-16h30	Presentation of the outputs and conclusions of the working groups 4 & 5 (30 min each) followed by a discussion Rapporters of the WG 4 & 5
Administrative and financial issues	
16h30-17h30	STDF administrative and financial rules Scientific reports and cost statements: guidelines and deadlines Catherine Brabet and Monica Olsen
Meeting closure	
17h30-18h00	Presentation of the main meeting conclusions Catherine Brabet and Monica Olsen

Annex 3:

Kick off meeting - List of participants

Institution / Name
CIRAD C. Brabet MG Picketty I. Vagneron
NFA Monica Olsen Pernilla Johnsson
CSL John Banks
R-Biopharm AG company Guilherme Andrade
MAPA Eugenia Vargas (Lanagro-MG) Mauricio Araújo (Lanagro-PA) Otavio Durans (SFA6PA) Ricardo Raski (DIPOV-SDA) Adriana Cláudia Chagas (CGAL) Ariane Thomazini (SFA-AC) Manoel Mendes (SFA-AC)
EMBRAPA-Acre Cleisa Cartaxo Marcio Muniz Albano Bayma Rivadalve Coelho Gonçalves

Annex 4:

International first workshop - Program

COMMITTEE OF ORGANIZATION

Catherine Brabet, Cirad / Nepa-Unicamp
 Lucia Wadt, Dorila Gonzaga and Cleisa
 Cartaxo, Embrapa Acre
 Adriana Chagas, Ricardo Raski and Eugenia
 Vargas, MAPA
 Monica Olsen, NFA
 John Banks, CSL

GENERAL INFORMATION**Scientific activities**

All scientific sessions including Poster sessions
 will be held in the auditorium of the Embrapa
 Acre, BR 364 - Km 14 - Rio Branco - Acre.

Official languages

English/Portuguese/Spanish.
 Simultaneous translation will be provided from
 Portuguese/Spanish to English and from
 English to Portuguese.

Attendance Certificates

Attendance certificates will be available to all
 registered participants at the end of the
 workshop, at the Secretariat.

ORGANIZERS

Centre de Coopération Internationale en Recherche
 Agronomique pour le Développement, France



Centre Science Laboratory, United Kingdom



National Food Administration, Sweden



Empresa Brasileira de Pesquisa Agropecuária, Brazil

Ministério da
 Agricultura, Pecuária
 e Abastecimento

**WITH THE SUPPORT OF:**

The Standards and Trade Development Facility (STDF), a joint initiative of the Food and Agriculture Organization (FAO), the World Organization for Animal Health (OIE), the World Bank, the World Health Organization (WHO) and the World Trade Organization (WTO).



The International Nut and Dried Fruit Council (INC)



International Workshop

PREVENTION AND CONTROL OF BRAZIL NUT CONTAMINATION BY AFLATOXINS

10 - 11 July, 2006
Auditorium of Embrapa
Rio Branco - Acre - Brazil

CONTEXT

This workshop is organized within the framework of an STDF project on effective aflatoxin management in Brazil nut production. The objective of the project, which was approved in March 2006, is to validate and transfer to the different key stakeholders of the Brazil nut production chain a sustainable and effective management system for preventing and controlling the occurrence of aflatoxins. The STDF is a joint initiative of the Food and Agriculture Organization (FAO), the World Organization for Animal Health (OIE), the World Bank, the World Health Organization (WHO) and the World Trade Organization (WTO). More information on the STDF can be obtained at <http://www.standardsfacility.org>.

OBJECTIVES

- To have a better knowledge of the development of and the current situation for the Brazil nut sector in the main Amazon producing countries (Brazil, Bolivia, Peru),
- To discuss the results and draw conclusions of the research work carried out up to now for improving Brazil nut safety and quality,
- To present the different projects and actions in progress or planned for controlling Brazil nut contamination by aflatoxins,
- To formulate/elucidate incentives for good management program for Brazil nuts,
- To facilitate the dialogue and collaboration between the private and public sectors.

TARGET PUBLIC

- Scientific community including universities and research centres,
- The private sector (associations of Brazil nut producers/extractivists, processors and exporters),
- Government authorities and their services (technical assistance, rural extension, etc.),
- Non-Government Organizations.

PROGRAM

MONDAY 10 OF JULY, 2006

8h 15min Registration and coffee
9h 30min - Opening Ceremony

Francisco José Gomes de Oliveira, Superintendent SFA-AC/AMAPA

Denise Regina Garrafiel, SEPROF, Government of Acre
Marcus Vinício N. d' Oliveira, Head of Embrapa Acre

Session 1: Aflatoxin occurrence and its impact on Brazil nut production in the Amazon Region.

Moderator: Cleisa Cartaxo, Embrapa Acre.

10h 15min - Presentation of the background of the STDF Brazil nut project and its objectives -

Catherine Brabet, CIRAD / NEPA-UNICAMP Project coordinator

10h 35min - Aflatoxins: formation and effects on public health and international standards - Monica Olsen, NFA
Scientific coordinator of the STDF Brazil nut project

10h 55min - Questions

11h 05min - Coffee break

11h 30min - Brazil nut production in Bolivia: current situation related to aflatoxin occurrence and legislation - Jorge Cardenas Kanoth, ACERM

11h 50 min - Brazil nut production in Peru: current situation related to aflatoxin occurrence and legislation - Miguel Chavez Pinchi, UNAMAD

12h 10min - Brazil nut production in Brazil: current situation related to aflatoxin occurrence and legislation - Ricardo Raski, DIPOV/SDA/AMAPA

12h 30min - Questions

12h 40min - Group photo and Lunch

Session 2: Prevention and control of aflatoxins in the Brazil nut production chain.

Moderator: Carolina Gaia, Sebrae-AC.

14h - Good Agriculture Practices for Brazil nuts - Aguiar Simões, AGROCON

14h 30min - Embrapa actions to improve Brazil nut quality - Cleisa Cartaxo, Embrapa Acre

15h - Quality Improvement for the Small Scale Processing of Brazil Nuts (Peru) - IDRC project - Carlos Diego Bazán, Candela Peru

15h 30min - Coffee break

16h - Brazil nut aflatoxin control in Bolivia - Brígido Orellana Camacho, COINACAPA

16h 30min - Prevention of the aflatoxin contamination along the Brazil nut production chain - Rodrigo Ramallo, Tahuamanu SA

17h - Strategies for prevention and reduction of Brazil nut contamination by aflatoxins : Normative and CCFAC Code of Practice - Luzia Maria Souza, CCRC/SDA/AMAPA and Ricardo Raski, DIPOV/SDA/AMAPA

17h 30min - Analytical tools for the guarantee of Brazil nut quality and safety - Conforcast project - Eugenia Vargas, LANAGRO-MG/AMAPA

18h - Cocktail and Poster session: Projects on prevention and control of aflatoxin in Brazil nuts

TUESDAY 11 OF JULY, 2006

Session 3: Group discussion.

Moderator: Monica Olsen, NFA

8h - Introduction - Monica Olsen, NFA

8h 30min - Group discussions

1. Brazil nut harvesting, transportation and storage what are the major obstacles for an efficient aflatoxin management system? (Rapporteur Catherine Brabet, CIRAD)

2. Brazil nut processing and aflatoxin control cases of successful aflatoxin reduction (Rapporteur Eugenia Vargas, LANAGRO-MG/AMAPA).

3. Collaboration and networking between private and public sector which role can the STDF Brazil nut project play ? (Rapporteur Ricardo Raski, DIPOV/SDA/AMAPA)

10h 30min - Coffee break

11h - Time for informal discussion among participants. Poster session and presentation of rapid assays for aflatoxin analysis.

12h - Lunch

13h 30min - Report from the group discussions (approx 15 minutes + 15 min discussion and conclusions each)

Closing Ceremony

15h - Concluding remarks - Catherine Brabet, CIRAD / NEPA-UNICAMP and Monica Olsen, NFA

Annex 5:

International first workshop - Banner

Workshop Internacional

PREVENÇÃO E CONTROLE DA CONTAMINAÇÃO DA CASTANHA-DO-BRASIL POR AFLATOXINAS



10 a 11 de Julho de 2006
Auditório da Embrapa, Rio Branco-AC, Brasil.

REALIZAÇÃO



Ministério da
Agricultura, Pecuária
e Abastecimento

APOIO

Fundo para a Aplicação de Normas e o Fomento do Comércio (FANFC), uma iniciativa conjunta da Organização das Nações Unidas para a Agricultura e a Alimentação (FAO), Organização Mundial de Saúde Animal (OIE), Banco Mundial, Organização Mundial da Saúde (OMS) e Organização Mundial do Comércio (OMC).



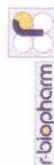
Conselho Internacional de Castanha e Frutos Secos (INC)



Annex 6:

International first workshop - Band

Workshop Internacional

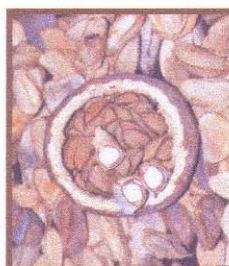


Ministério da
Agricultura, Pecuária
e Abastecimento

PREVENÇÃO E CONTROLE DA CONTAMINAÇÃO DA CASTANHA-DO-BRASIL POR AFLATOXINAS

10 a 11 de Julho de 2006

Rio Branco - Acre - Brasil



APOIO

Fundo para a Aplicação de Normas e o Fomento do Comércio (FANFC), uma iniciativa conjunta da Organização das Nações Unidas para a Agricultura e a Alimentação (FAO), Organização Mundial de Saúde Animal (OIE), Banco Mundial, Organização Mundial da Saúde (OMS) e Organização Mundial do Comércio (OMC).

Conselho Internacional de Castanha e Frutos Secos (INC).

Annex 7:

International first workshop - List of participants

Name	Institution	City/Country
1. Cleísa Brasil da Cunha Cartaxo	Embrapa/AC	Rio Branco/AC - Brazil
2. Joana Maria leite de Souza	Embrapa/AC	Rio Branco/AC - Brazil
3. Dorila S. Oliveira Mota Gonzaga	Embrapa/AC	Rio Branco/AC - Brazil
4. Rivadalve Coelho Gonçalves	Embrapa/AC	Rio Branco/AC - Brazil
5. Márcio Muniz Albano Bayma	Embrapa/AC	Rio Branco/AC - Brazil
6. Fabiana Silva Reis	Embrapa/AC	Rio Branco/AC - Brazil
7. Janira de Sousa Melo	Embrapa/AC	Rio Branco/AC - Brazil
8. Rodrigo Schroeder	Embrapa/AC	Rio Branco/AC - Brazil
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16. Felícia Maria Nogueira Leite	Seprof/AC	Rio Branco/AC - Brazil
17. Juliermo de Aguiar Corrêa	Seprof/AC	Rio Branco/AC - Brazil
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21. Ezaque Saraiva do Nascimento	Seater/AC	Rio Branco/AC - Brazil
22. Edilson Leite de Oliveira	Seater/AC	Rio Branco/AC - Brazil
23. Deborah Kayuscia R. de Freitas	Seater-AC	Brasiléia/AC - Brazil
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26. Josiel Barbosa de Figueiredo	IDAF/AC	Rio Branco/AC - Brazil
27. Pedro Arruda Campos	IDAF/AC	Rio Branco/AC - Brazil
28. Carolina Bezerra Gaia	Sebrae/AC	Rio Branco/AC - Brazil
29. Danuza Lemos	Sebrae/AC	Rio Branco/AC - Brazil
30. Maria Luzenira de Souza	UFAC	Rio Branco/AC - Brazil
31. Ilzanda Justo do Rosário	UFAC	Rio Branco/AC - Brazil
32. Rosane Cavalcante dos Santos	IMAC/AC	Rio Branco/AC - Brazil
33. Gardênia de Oliviveira Sales	Coopeacre/AC	Rio Branco/AC - Brazil
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38. Márcio Rodrigo Alécio	Inpa	Brasília/AC - Brazil
39. Otávio Cesar Durans Oliveira	SFA-PA	Belém/PA - Brazil
40. Maurício Quaresma de Araújo	Lanagro/PA	Belém/PA - Brazil
41. Aldernei Simor	AdePara	Belém/PA - Brazil
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46. Adriana Claudia Chagas	MAPA – DF	Brasília/DF - Brazil
47. Luzia Maria Souza	CCRC/DAS/MAPA - DF	Brasília/DF - Brazil
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51. Evangelina Jurado	Tahuamanu SA	Cobija/Pando - Bolivia
52. Brígido Orellana Camacho	Coinacapa	Cobija/Pando - Bolivia
53. Jorge Cardenas	ACEERM (Coinacapa)	Cobija/Pando - Bolivia
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55. Manuel Pereira Polo	Herencia	Cobija/Pando – Bolivia
56. Carlos Diego Bazan	Candela	Lima - Peru
57. Miguel Chaves Pinchi	UNAMAD	Puerto Maldonado - Peru
58. Catherine Brabet	CIRAD	Campinas/SP - Brazil
59. Marie Gabrielle Piketty	CIRAD	São Paulo/SP - Brazil
60. Isabelle Vagneron	CIRAD	Montpellier - France
61. Pernilla Johnsson	NFA	Uppsala - Sweden
62. Monica Olsen	NFA	Uppsala - Sweden
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