



# FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative



## BUILDING A BETTER RESPONSE

Strategic Planning Workshop to Address  
Mycotoxins in Food & Feed in Nepal

August 18-21, 2019 | Dhulikhel Lodge Resort | Dhulikhel, Nepal

*A collaborative effort to tackle the challenge of mycotoxins in Nepal*



**USAID**  
FROM THE AMERICAN PEOPLE

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UNIVERSITY



- 11:30 Lunch
- 13:00 Welcome to Honorable Guests  
Dr. Jaya Gurung, Executive Director, Nepal Development Research Institute
- 13:15 Remarks by Adriana Hayes, Acting USAID Mission Director

## Mycotoxins as a Critical Issue

*Chaired by Dr. Dil Bahadur Gurung, Honorable Member for Agriculture, National Planning Commission*

- 13:25 Mycotoxins in a Global Context  
Dr. John F. Leslie, Distinguished Professor, Kansas State University
- 14:05 Implications of Mycotoxins and Food Safety on Nutrition in Nepal  
Kedar Parajuli, Nutrition Chief, Family Welfare Division, Dept. of Health Services
- 14:25 Introduction to the PHLIL Nepal Mycotoxin Assessment  
Dr. Jagger Harvey, Director, Post-Harvest Loss Innovation Lab, Kansas State University
- 14:45 Laboratory Findings from the PHLIL Nepal Mycotoxin Assessment  
Dr. Andrea Bianchini, Associate Professor, University of Nebraska - Lincoln
- 15:25 Plenary Remarks**  
Dr. Sushil Nath Pyakuryal, Director General, Dept. of Health Services, Min. of Health & Population  
Dr. Yubak Dhoj GC, Secretary, Ministry of Agriculture & Livestock Development  
Dr. Sunil Babu Shrestha, Vice Chancellor, Nepal Academy of Science and Technology
- 16:00 Vote of Thanks  
Dr. Mahesh K. Adhikari, Secretary, Nepal Academy of Science and Technology
- Closing of Session by Session Chair
- 16:15 *Coffee/Tea Break*

## Introduction to the Nominal Group Process

- 17:30 Structure and Plans for the Workshop  
Introduction to the Process and Practice Questions
- 19:30 *Dinner*

## Sociological and Economic Impacts of Mycotoxins

*Chaired by Jeffrey B. Morris, Vice President for Communications and Marketing, Kansas State University*

- 8:30 Common Agriculture Practices in Nepal  
Rojee Suwal, Senior Manager, Agriculture & Food Security, Suaahara II
- 9:00 Nepalese Regulations on Mycotoxin Contamination and their Enforcement  
Krishna Rai, Senior Food Research Officer, Dept. of Food Technology & Quality Control
- 9:30 Economic Factors Affecting Post-harvest Practices and Food Safety in Nepal  
Dr. Jisang Yu, Assistant Professor, Kansas State University

### 10:00-12:15 Nominal Group Discussions

- 12:15 *Lunch*

## Remediation and Mitigation of Mycotoxins

*Chaired by Dr. Andrea Bianchini, University of Nebraska - Lincoln*

- 13:15 Uses of Risk Analysis and Modeling  
Dr. Ross Darnell, Principle Research Scientist, CSIRO, and Dr. Jagger Harvey, PHLIL Director
- 13:45 Practices, Technologies and Challenges in Post-harvest Handling in Nepal  
Sabnam Shivakoti, Chief, Center for Crop Development & Agrobiodiversity Conservation
- 14:05 A Framework to Reduce Mycotoxin Risk  
Dr. Guangtao Zhang, Head of Research, Mars Global Food Safety Center
- 14:25 Current Technologies being utilized in Nepal by the Horticulture Innovation Lab  
Archie Jarman, Program Officer, Feed the Future Innovation Lab for Horticulture
- 14:40 Good Agricultural Practices and Biological Controls  
Dr. Ranajit Bandyopadhyay, Senior Plant Pathologist, International Institute of Tropical Agriculture

**15:10-17:25 Nominal Group Discussions**

## Perspectives from the Provinces

*Chaired by Dr. Jaya Gurung, Nepal Development Research Institute*

- 18:00 Dinner
- 19:15 Presentations by representatives from each province

NOMINAL GROUP DAY 2

Tuesday, August 20

## Mycotoxins Impact on Human and Animal Health

*Chaired by Dr. Ranajit Bandyopadhyay, International Institute of Tropical Agriculture*

- 8:00 Health Impacts of Toxins other than Aflatoxin  
Dr. John F. Leslie, Distinguished Professor, KSU
- 8:30 Aflatoxins and Animal Health  
Padmakumar V., Feed the Future Innovation Lab for Livestock Systems,  
International Livestock Research Institute
- 9:00 Aflacohort Study and Findings to Date  
Ashish Pokharel, Feed the Future Innovation Lab for Nutrition
- 9:30 MSNP II - Food Quality & Diversity: production-consumption-income pathway  
Dr. Kiran Rupaketi, Joint Secretary, Education, Health & Gender, National Planning Commission
- 9:45 Structure and Responsiveness of the Nepali Health System  
Dr. Dipendra Raman Singh, Chief of Quality Standard & Regulation Division,  
Ministry of Health & Population

**10:00-11:30 Nominal Group Discussions**

## Extension and Communication around Mycotoxins & other Food Safety Challenges

*Chaired by Dale Davis, Country Director, Helen Keller International*

- 11:30 Extension and Education in Food Safety Outreach to Involve Consumers and Producers  
Ram Sogarath Sah, Sr. Agriculture Extension Officer, Agriculture Information & Training Center
- 12:00 Information and Education through Radio  
Upendra Aryal, Executive Director, Equal Access

- 12:30 Raising the Bar for Food Safety - Communication and Collaboration  
Dr. Abigail Stevenson, Director, Mars Global Food Safety Center
- 12:45 Lunch
- 13:45 Crisis Avoidance and Management  
Jeffrey B. Morris, Vice President for Communications and Marketing, KSU

**14:30-16:00 Nominal Group Discussions**

**Physical Infrastructure and Human Capacity Building**

*Chaired by Dr. Guangtao Zhang, Mars Global Food Safety Center*

- 16:00 Challenges in Mycotoxin Analysis  
Dr. Andrea Bianchini, Associate Professor, UNL
- 16:30 The NAST Laboratory and Changing Educational Curricula  
Dr. Gopal KC, Professor, NAST / Tribhuvan University / NDRI
- 17:00 Hub and Spoke Laboratory Networks for Assessing Mycotoxin Contamination  
Dr. Jagger Harvey, KSU

**17:30-19:00 Nominal Group Discussions**

**Celebrating Nepal**

*Sponsored by the Mars Global Food Safety Center*

- 19:15 Cultural performance and cocktail reception
- 20:30 Dinner

**CLOSING SESSION**

*Wednesday, August 21*

**Summary and Closing Session**

*Chaired by Dr. Usha Jha, Honorable Member for Social Development, National Planning Commission*

- 9:30 Summary of Results from Nominal Group Discussions  
Dr. John Leslie, KSU
- 10:15 Coffee/Tea Break
- 10:45 Comments from Discussion Leaders and Rapporteurs  
Open Discussion
- 11:30 Take home messages  
Sabnam Shivakoti, Chief, Center for Crop Development & Agrobiodiversity Conservation  
Nepal Agricultural Research Council  
Activity Manager, USAID Nepal
- 12:45 Thanks and Good Bye  
Dr. Jagger Harvey, KSU
- 12:55 Official Closing by Session Chair
- 13:00 Lunch

**Our Partners:**

