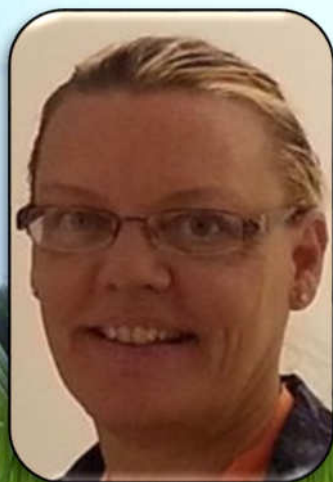




In four years, our graduates' postharvest training events and outreach efforts have reached nearly 120,000 small scale farmers, horticultural crops handlers and extension officers in Africa and Asia.

PEF President's Message



Dr. Lisa Kitinoja
President & Founder
kitinoja@postharvest.org

These past few months has been a very busy time, and once again we thank all the many volunteers and supporters who provide their time, skills and money to assist The Postharvest Education Foundation, with our program implementation, research, training and outreach activities. PEF continues to provide advice, technical assistance, mentoring for postharvest projects with the WFPC, and follow-up activities at Jimma University (Ethiopia), where Dr. Ali Mohammed is leading the effort to hold a postharvest management conference in Addis Ababa on 24-25 November. Tuskegee University is launching its second postharvest e-learning program for young people in the USA who work with smallholder vegetable farmers, farmers markets and cooperatives. The World Wildlife Fund and the Global Cold Chain Alliance are fielding PEF trained CSAM teams on Idaho potato farms and Arizona lettuce fields to identify on-farm losses. In October Bertha Mjawa was in Rwanda training the trainers for their three new PTSCs. We wish everyone continuing success in their work!

This newsletter includes some details on the activities of our current international volunteers and our all-volunteer board of directors. PEF is grateful for all this support, and to all, we say THANK YOU!

PEF joined 'Friends of Champions 12.3'



PEF is now a member of the new 'Friends of Champions 12.3', which includes organizations working to achieve Target 12.3 of the UN's Sustainable Development Goals, which is to reduce food losses and waste (FLW) by 50% by 2030. <https://champions123.org/friends-of-champions-12-3/>

Champions 12.3 is a coalition of executives from governments, businesses, international organizations, research institutions, farmer groups, and civil society dedicated to inspiring ambition, mobilizing action, and accelerating progress toward achieving SDG Target 12.3. The coalition is supported by the World Resources Institute (WRI), which published a recent report on the business case for reducing FLW: <https://champions123.org/the-business-case-for-reducing-food-loss-and-waste/>



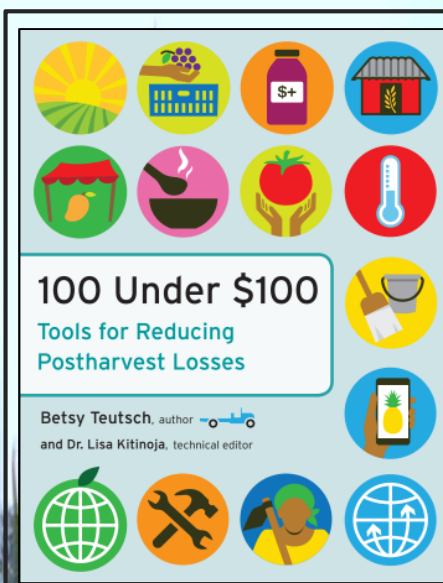
The Postharvest Education Foundation

Website: www.postharvest.org E-mail: postharvest@postharvest.org

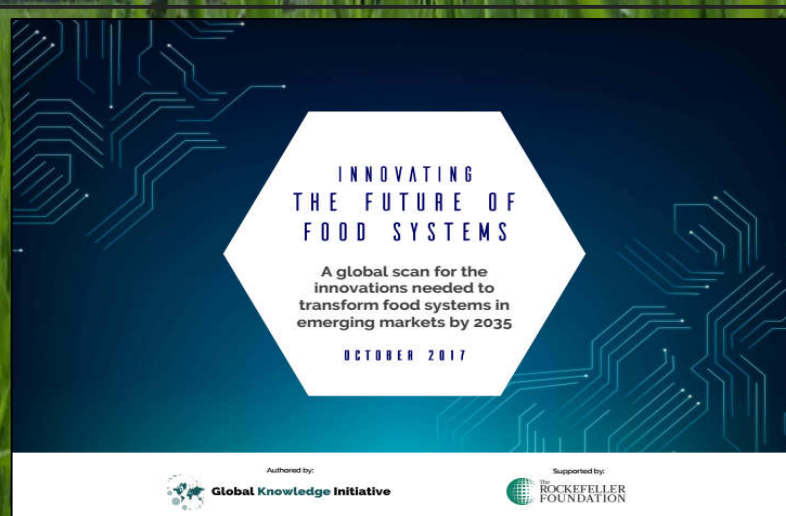
100 under \$100: Tools for reducing postharvest losses – mini ‘teaser’

Betsy Teutsch, author of ‘100 under \$100: Tools for empowering global women’ (<http://100under100.org>) has developed a mini ‘teaser’ with 5 entries for postharvest “tools” to show how what her new book with PEF will look like. She has been researching, organizing and drafting an entry on each innovation-the book, due out in 2018, will have 100 such entries with details of tools to reduce postharvest losses from different corners of globe, each of which costs under \$100.

You are welcome to send us the ideas for postharvest tools at (postharvest@postharvest.org), and are requested to share your photos and stories to be considered for inclusion in the book.



Role of Innovation in Transforming Food Systems in Emerging Markets



‘The Global Knowledge Initiative (GKI)’ along with ‘The Rockefeller Foundation’ has published a report, which included 22 investible innovations as immediate solution to reduce the problem of postharvest food loss and to feed the growing population in a sustainable way. These innovations cover a variety of solutions, including: Packaging and Processing, Energy, Storage and Transport, Life Sciences, Data Collection and Monitoring and Enabling Innovations. The future was looked to better identify most significant trends of changing food systems by 2035 and also suggested long-term opportunities for emerging innovations, like blockchain and synthetic biology, in transforming the way food makes it to our plates. GKI has also issued 10 Invitations for Transformational Innovation, each of which offers a provocation meant to inspire bold efforts to reshape food systems in emerging markets.

Drs. Lisa Kitinoja and Deirdre Holcroft, PEF board members, worked with GKI on this project in developing this report.



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FAO Expert Consultation on SDG 12.3

Dr.. Majeed Mohammed, PEF board member, was invited to attend and participate in the 'FAO Expert Consultation on SDG 12.3 – Measurement and action to meet the target on reducing food losses and food waste', at its headquarters in Rome, on 28-29 September 2017. The primary purpose of the meeting was to discuss FAO's approach to measuring food losses and waste and to learn from the experiences of specialists on issues related to the subject. The overall aim was to provide direction and to assist in the development of a framework for integrating FAO's work on food losses and waste, particularly in the measurement of the SDG 12.3 indicator and its links with the assessment on real food supply chains and policy interventions to promote the reduction of losses and waste. Dr.. Majeed contributed his experiences in the Caribbean in measuring postharvest losses of cassava, mango and tomato during 2014-2015.

A mention was made on the Commodity System Assessment Methodology (CSAM) applied by PEF and the success of training programs extended globally. PEF's year-long global e-learning program with the postharvest kit provided to each trainee was also highlighted. Attempts were also made to reinforce the significance of pre-harvest factors on postharvest losses and the need to identify critical control points within each postharvest handling system. The significance of measuring losses rather than estimating losses was also emphasized.

World Veg's Postharvest Program Design in Tanzania



Demonstrations of onion packaging and tomato processing in Tanzania

Ms. Bertha Mjawa, PEF board member, was involved in conducting a country level feasibility study and preliminary design of phase two activity to preserve and enhance postharvest value for selected vegetables (tomatoes, onions, cabbages, leafy vegetables and green beans) in Tanzania. The main purpose of this assessment was to compile basic information about the current situation and future outlook for the vegetable subsector in Tanzania, as a prelude to final design and implementation of Phase II of 'World Veg's Postharvest Program'. Consultants examined seasonality, supply and demand trends, major challenges in terms of product quality and safety, links to nutrition, youth employment, involvement by women, and scaling, while providing appropriate recommendations for existing issues. The postharvest feasibility studies are also being carried out in Cambodia, Myanmar, Nigeria and Bangladesh.



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PEF worked with WFLO on a set of literature reviews for the World Bank

During July-October 2017, PEF prepared an in-depth studies on the current status of postharvest losses and loss reduction efforts for plant based foods. The topics for the literature reviews included food loss data collection methodologies, postharvest loss estimates for key crops in developing countries, postharvest technologies, management systems and policies for food loss reduction, and the organizations, projects and programs active in the field. A World Bank team will be utilizing the results of these desk studies to formulate plans for developing future postharvest projects and potential investments.

Announcement: 2017 PEF- Kader Awards in Postharvest Training



Roseline Marealle (2016 Kader Award winner) with participants and finished ZECC in Mwanza, Tanzania
(Watch Roseline's postharvest training work in the online video: '[Build your own ZECC](#)')

PEF-Kader award is awarded annually by the Board of Directors of The Postharvest Education Foundation to honor the late Professor Adel A. Kader. This will be awarded to PEF graduate who has had the greatest impact in providing education to local farmers, traders, processors and/or marketers and helping them to reduce food losses in their locality after the successful completion of the course. The Kader Award in Postharvest Training includes:

- ☐ An award certificate in honor of Professor Adel A. Kader and signed by the chair of the PEF Board of Directors and a cash prize of US \$500
- ☐ A trip to participate in one of our PEF sponsored events (e-learning closing workshop; postharvest conference).

Past Kader Award winners include Noel Valentin Mulinda (Rwanda) (2013), Esther Mwaisango (Tanzania) (2014), Mekbib Hilegebrile (Ethiopia), Olubukola Odeyemi (Nigeria) (2015), Roseline Marealle (Tanzania) and Mohmad Arief Zargar (India) (2016).

PEF e-learning graduates can apply via written application form before 30th November 2017, the winners will be announced on Dec 10. You can download the 2017 application from the PEF website. http://www.postharvest.org/kader_awards.aspx



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Our newest PEF graduate

- ❖ Congratulations to **Mutungirehe Jean Nepo** from Rwanda on the successful completion of PEF e-learning course and welcome to our PEF postharvest specialists alumni group. Jean Nepo is presently doing his professional internship in Rwanda Agriculture Board in the Seed and Fertilizer Program as Subsidy Officer.

Some useful resources for postharvest information

- ❖ The Commercial Storage of Fruits, Vegetables, and Florist and Nursery Stocks [USDA Handbook 66 update 2016] : <http://ucanr.edu/datastoreFiles/234-2927.pdf>.
- ❖ How Access to Energy Can Influence Food Losses: A brief overview [FAO of United Nations, Rome 2016] <http://www.fao.org/3/a-i6626e.pdf>

PEF's 'Global Postharvest E-learning Program' is now Free!

Check the website for further details and register by completing Assignment #1:

http://postharvest.org/postharvest_elearning_program1.aspx

Postharvest Queries:

Mail us at postharvest@postharvest.org any postharvest related questions you wish to be answered.

SUPPORT OUR WORK

The Postharvest Education Foundation is a 501(c)(3) non-profit public charity with aim to reduce global food losses, which are as high as up to 50%.

Donations to The Postharvest Education Foundation are used for 3 major program activities:

1. Postharvest tool kit: For e-learners from developing country who complete their training (US\$400 each).
2. Travel Support: To pay for the travel expenses to attend international postharvest training programs (air tickets, hotels, food, local transport costs) (Estimated as \$1500-\$2000 per e-learner).
3. Kader Awards: Awarded annually in honour of Dr Adel A. Kader to PEF Alumni, who show greatest impact in providing trainings for clientele at different levels (\$500).

Kindly check our website (<http://www.postharvest.org/donate.aspx>) for other alternate ways to donate.

Thanks in advance for your tax-deductible donation, which will be used to train young horticultural professionals via low cost internet based programs, with reading assignments, fieldwork on improved practices for postharvest handling, storage, processing and marketing.

Email us at newsletter@postharvest.org to subscribe to the PEF newsletter.

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