

# Towards a repository of online OSH learning materials for Agriculture



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**ZAGREB, OKTOBER 2017**



**This picture is from: Bologna, Milano, Lodi?**



NOTIZIARIO

## Education in Agricultural Health

### INTRODUCTION

More than one third of the world's labour force is employed in agriculture, which is one of the most hazardous of all sectors and many agricultural workers suffer occupational accidents and ill health (5). In several parts of the world educational activities are developed, executed and evaluated (3) in order to protect the health and safety of agricultural workers. In September 2015 an international congress on Rural Health in Lodi, Italy, devoted a session<sup>1</sup> to Education in Basic Occupational Health. The topics of this session were (1) exchange of experiences, (2) discussion of potential future activities and (3) feasibility of an educational network. The topics mentioned in the Appendix, were presented by representatives from several countries and by representatives of the International and WONCA<sup>2</sup>.

sociations, gradually spread in adapted form to various states in the USA, to Australia and Turkey (12). As an experiment the team offered a course in which one day was replaced by online education. The multidisciplinary background of the participants is appreciated as a means for additional learning, e.g. from agricultural engineers; this aspect was confirmed by other educators present at the meeting. Also supported was the intention to develop a core course (in fact a course core), as this could foster the international application of training programs that cover the most relevant themes.

INTERNATIONAL CONGRESS ON

*Rural Health*  
as a social, economic and cultural engine

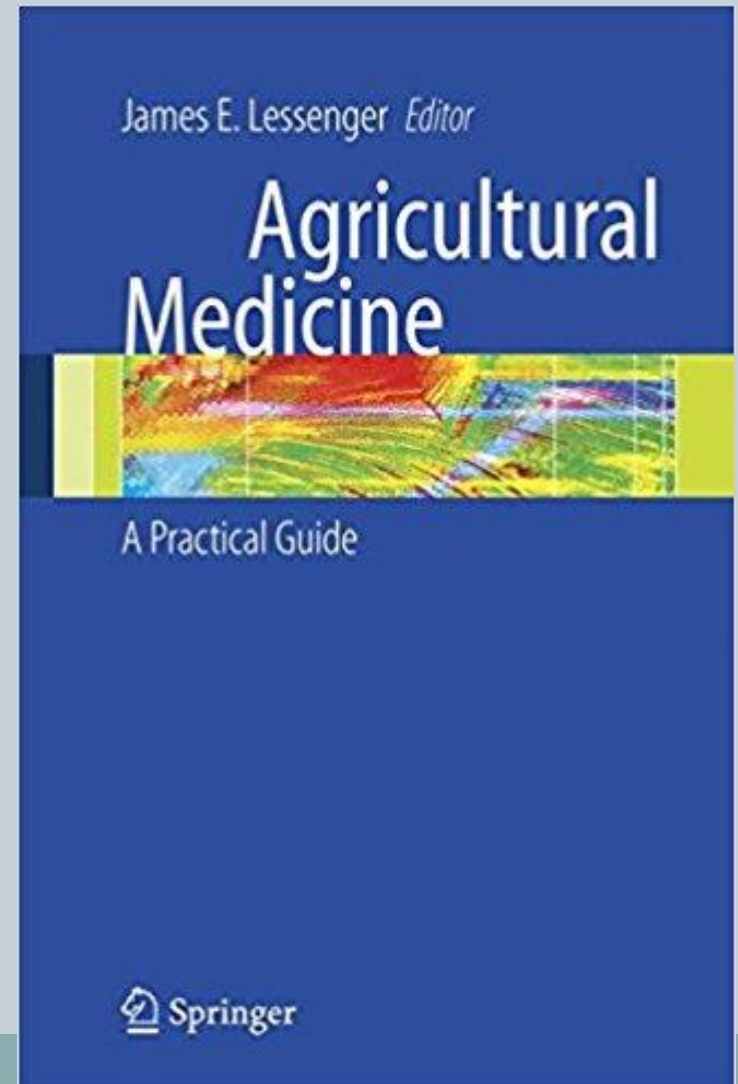
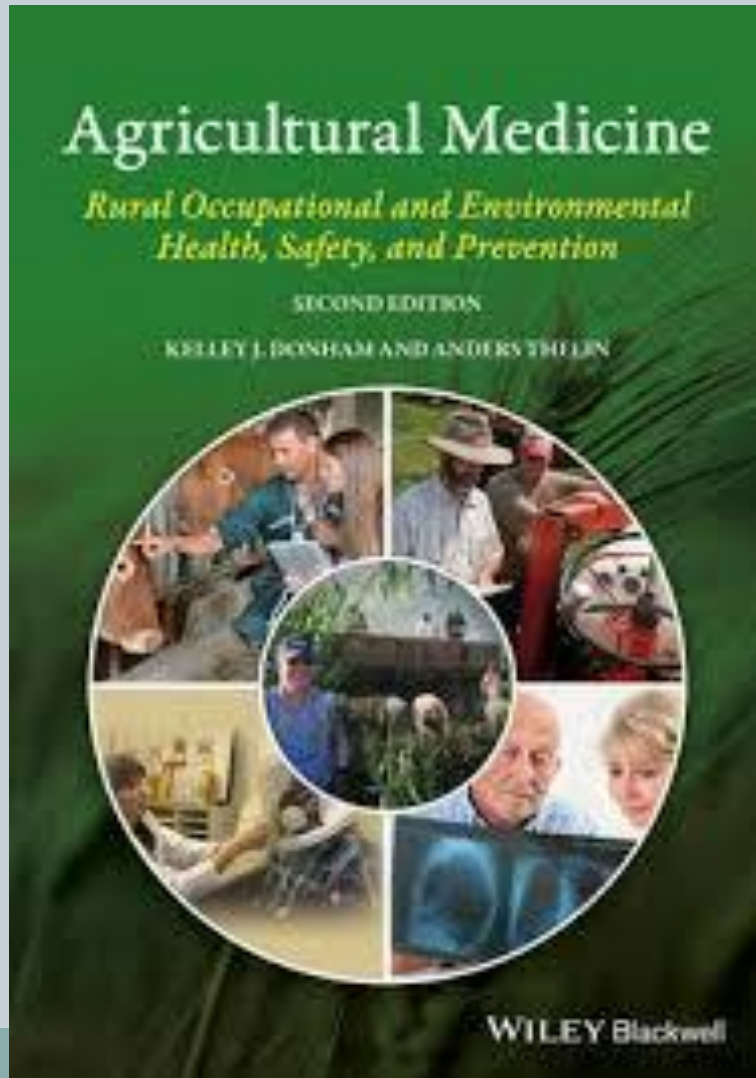
**SEPTEMBER 08-11, 2015**

# Conclusions Lodi Congress session on education in agricultural health



- Shortage of well-educated professionals in OSH in agriculture
- Great need for educating many groups at various levels to improve working conditions, safe behaviour and health care in the diverse agricultural branches
- There is great willingness to cooperate in order to expand teaching activities and to improve teaching quality
- LDOH announced initiatives to develop:
  - Repository of good online educational materials
  - Concise Course Basic Occupational Health in Agriculture for primary health professionals

# Agricultural Medicine Books



# Agricultural Medicine: books free download

## Farmwise

Your essential guide to health and safety in agriculture



**Date of publication:** 2013

**ISBN:** 978 0 7176 6579 2

**Series code:** HSG270 (Second edition)

**Price:** £10.00

[Download a free copy](#)

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There are persistently high rates of fatal incidents and work-related ill health in

### Related products



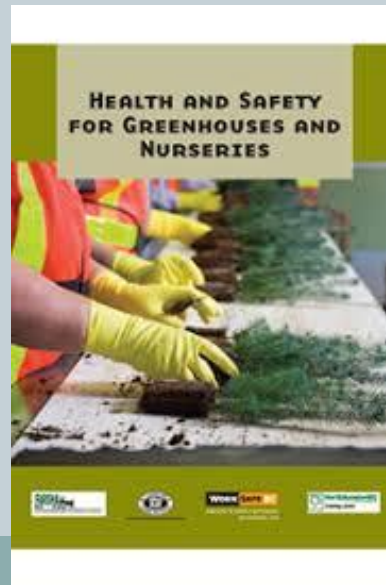
[The health and safety toolbox](#)



[Working safely with agricultural machinery](#)



[Using tractors safely](#)



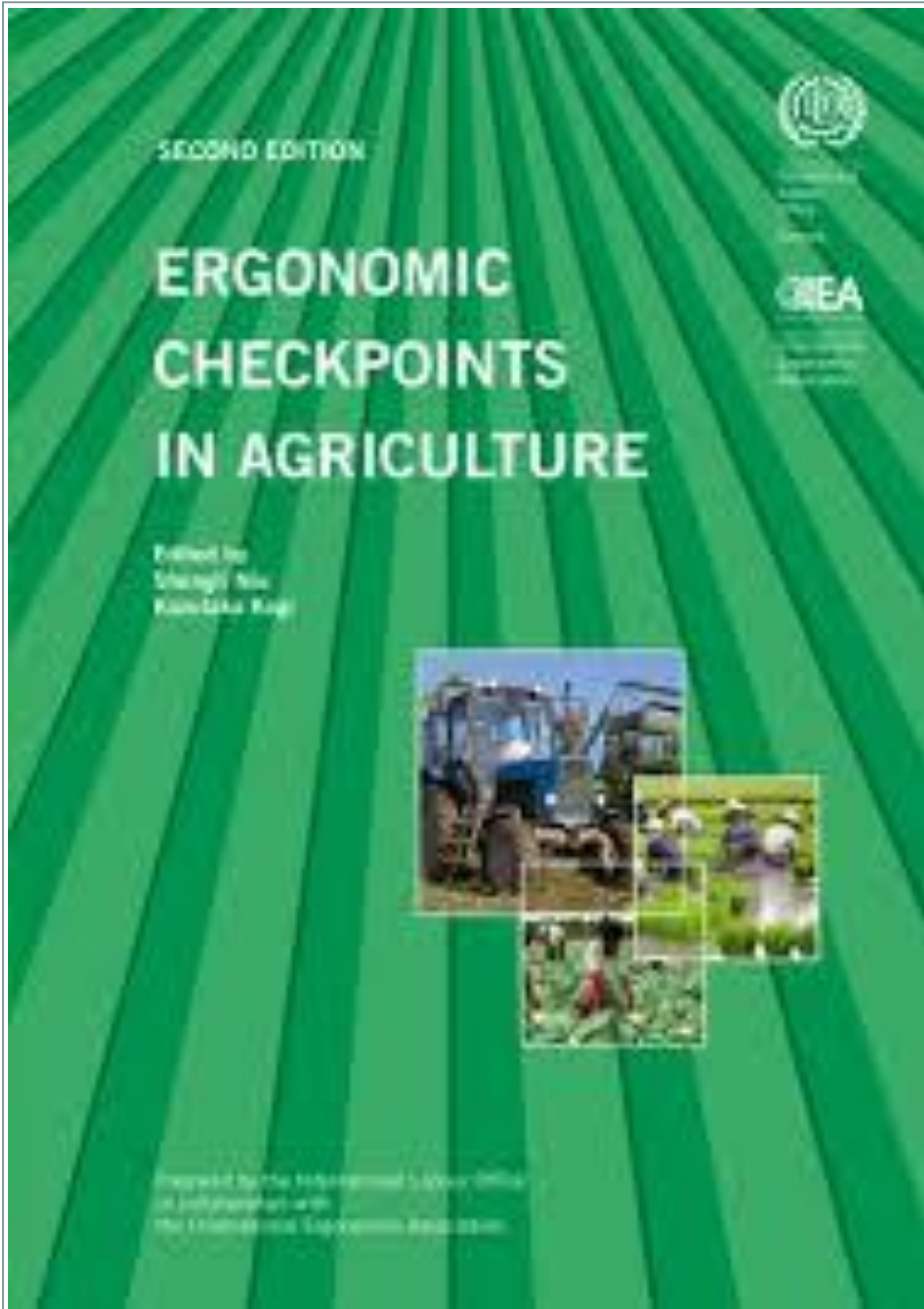
**Health, Safety and Environment**

**A Series of Trade Union Education Manuals for Agricultural Workers**

International Labour Organization

IUF  
U I T A  
I U L

International Union of Food, Agricultural, Hotel, Restaurant, Catering, Tobacco and Allied Workers' Associations



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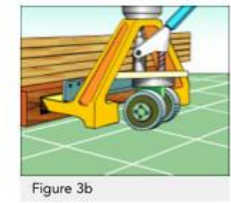
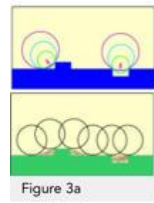
< First Checklist Checkpoint 3

**Make the surface of transport routes even, not slippery, and without obstacles.**

Do you propose action?

NO  YES  PRIORITY

Raise at next meeting

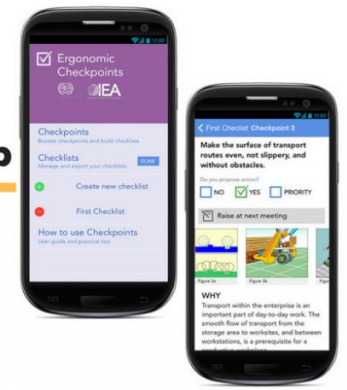


**WHY**  
 Transport within the enterprise is an important part of day-to-day work. The smooth flow of transport from the storage area to worksites, and between workstations, is a prerequisite for a productive workplace.



**Ergonomic Checkpoints app**

Available for free for iOS and Android





## Library of Education in Occupational Safety and Health

Dive into the library

Donate our Foundation LDOH



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OK

### Risks at work (30)

- Physical (7) [i](#)
- Chemical (17)
- Biological (8) [i](#)
- Ergonomical (7)
- Psychosocial (4)
- Safety, Accident risk (11)
- Employment conditions (0) [i](#)
- Personal protective equipment (5)
- More than 2 Risks at work (9) [i](#)

### Sector of Industry (NACE) (15)

- Agriculture, Forestry & Fishing (8)
- Construction (3)
- Healthcare & Social Assistance (2) [i](#)
- Manufacturing (3) [i](#)
- Mining (1) [i](#)
- Oil and Gas Extraction (1)
- Public Safety (1) [i](#)
- Services (except Public Safety) (0) [i](#)
- Transportation, Warehousing & Utilities (0) [i](#)
- Wholesale and Retail Trade (1) [i](#)
- More than 2 sectors (4)

### Diseases (ICD-10) (19)

- Infectious, Blood & Immune diseases (1)
- Neoplasms (cancer) (2)
- Endocrine, Nutrition, Metabolic, Digestive & Genito-urinary diseases (0)
- Mental & Behavioral disorders (3)
- Nervous System diseases (0)
- Eye diseases (0)
- Circulatory diseases (0)
- Respiratory diseases (4)
- Musculoskeletal disorders / injuries (3)
- Skin diseases (0)
- Pregnancy, Childbirth, Perinatal & Congenital disorders/health effects (0)
- Unclassifiable (0) [i](#)

### Other topics (21)

- Occupational (Safety and) Health (3)
- One OSH core discipline (5)
- Domains, Instruments and Tools for OSH (9) [i](#)
- Occupational and Work-Related Diseases (2)
- Fitness for work, Sickness Absence, Work (Dis)Ability (1)
- Workplace Health Promotion (0)
- Susceptible Groups (0) [i](#)
- Ethics (0)
- Evidence-Based Practice (1)
- Research, Epidemiology, Statistics (3)
- OSH Education and Training (1)
- OSH Policy (0)
- Other, not mentioned before (0)
- More than 2 topics (2)



• More than 2 Risks at work • Physical • Safety, Accident risk

## Orientation on Health and Safety for New Agricultural Workers

June 13, 2017 • 1 min read

This interactive lesson teaches about safety behavior, legislation and recognition of job-related hazards. Furthermore, the lesson is a guide in hazards that are common in the broad range of agricultural work, including...

[Read more](#)

Agriculture, Forestry & Fishing • Biological • Chemical • Injury, Poisoning & External causes (e.g. Accidents) • More than 2 Risks at work • Respiratory diseases • Safety, Accident risk

## Health, Safety and Environment: A Series of Trade Union Education Manuals for Agricultural Workers

June 13, 2017 • 1 min read

This material consists of a series of training manuals, made for educators of agricultural workers to tackle their health, safety and environmental problems. The manuals do not generally consist of ready-to-use...

[Read more](#)

Agriculture, Forestry & Fishing • More than 2 Risks at work • Safety, Accident risk

## Farmwise. Your essential guide to health and safety in agriculture

June 13, 2017 • 1 min read

A booklet that helps identifying the causes of injuries and ill health. It will also help eliminating hazards and controlling risks. The booklet is divided into three parts: the first part covers managing health and...

[Read more](#)

[Read more](#)

[Agriculture, Forestry & Fishing](#) • [Biological](#) • [Chemical](#) • [Diseases \(ICD-10\)](#) • [Manufacturing](#) • [Respiratory diseases](#) • [Risks at work](#) • [Sector of Industry \(NACE\)](#)

## Breathless: a lesson in diagnosis and treatment of occupational respiratory diseases

May 2, 2017 • 1 min read

This lesson presents a practical case in occupational medicine, and is meant for medical students. It guides through the process of proper diagnosis of two different types of occupational lung diseases, related to meat...

[Read more](#)

[Biological](#) • [Chemical](#) • [Diseases \(ICD-10\)](#) • [Manufacturing](#) • [Respiratory diseases](#) • [Risks at work](#) • [Sector of Industry \(NACE\)](#) • [Wholesale and Retail Trade](#)

## Running nose and breathlessness fits

May 2, 2017 • 1 min read

This lesson presents a practical case in occupational medicine, and is meant for medical students. It describes a patient with complaints and work history in a bakery. The lesson is fully interactive and consists of 31...

[Read more](#)

[Agriculture, Forestry & Fishing](#) • [Chemical](#) • [Injury, Poisoning & External causes \(e.g. Accidents\)](#) • [Safety, Accident risk](#)

## Wind of change

April 20, 2017 • 1 min read

This video of almost 13 minutes illustrates the incentives of the ILO Work Improvement in Neighbourhood Development programmes (WIND). With the examples obtained from three countries (Viet Nam, Kyrgyzstan, Senegal), the

## Breathless: a lesson in diagnosis and treatment of occupational respiratory diseases

### Concise description:

This lesson presents a practical case in occupational medicine, and is meant for medical students. It guides through the process of proper diagnosis of two different types of occupational lung diseases, related to meat production and glasshouse work. The lesson emphasizes the right diagnosis on basis of prescribing proper tests and gives clues for treatment. The lesson is fully interactive and consists of 26 slides. The slides contain descriptive texts, questions and feedback, and illustrative pictures and movies. Certain terms used are explained.

## NetWoRM

### Net-Based Training For Work- Related Medicine

NetWoRM (Net-based Training for Work- Related Medicine), a project by the Clinical centre of the University of Munich Institute of Occupational and Environmental Medicine, is a project for the further development and the worldwide dissemination of the web-based virtual patients for Occupational Medicine. The aim of the implementation of these virtual patients was to enhance the interest in Occupational Medicine in medical students. Beyond the teaching of theoretical basics they support the clinical aspects of this specific field and the multidisciplinary use of acquired knowledge.

[more](#)

### Recent lessons

Safety, health and welfare on construction sites. A training manual

Ergonomic checkpoints in agriculture

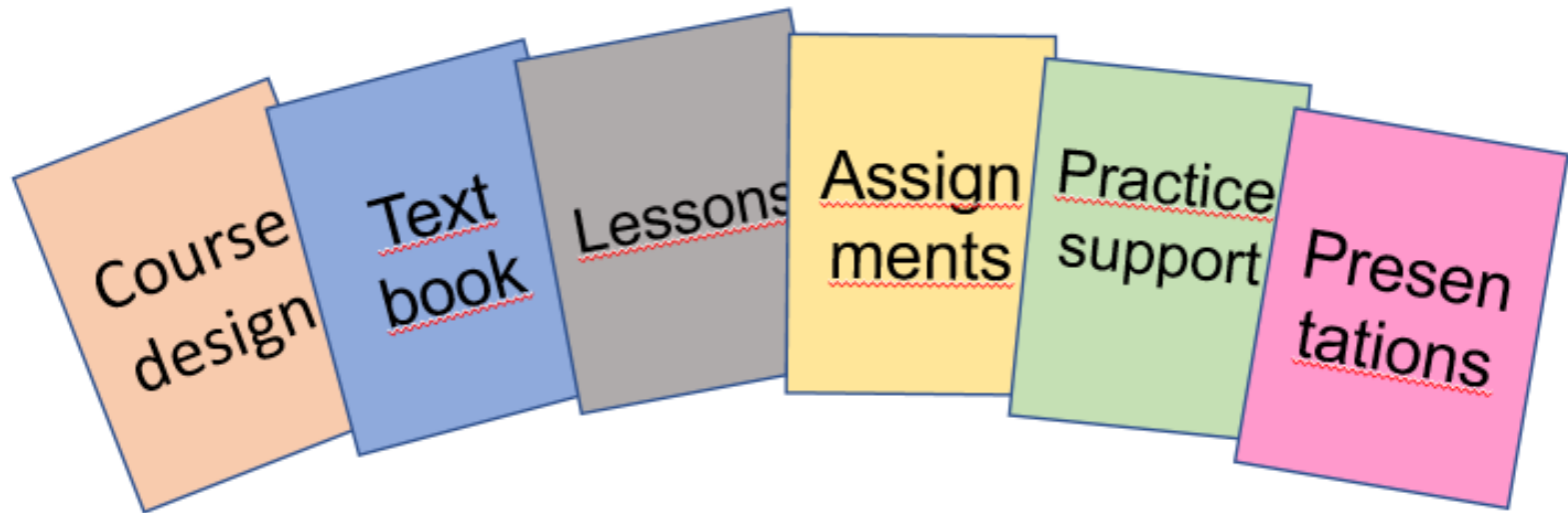
Manual en Diagnóstico, Tratamiento y Prevención de Intoxicaciones Agudas...

Measurement of hazardous substances. A course on assessing exposure and...



# Basic Occupational Health Care in Agriculture

Maarten Verberk, Frank van Dijk, Gert van der Laan, Mieke Lumens, Ad de Rooy



- ▶ 3-4 Day course:
- ▶ **Basic Occupational Health Care in Agriculture**  
Quality educational materials for free
- ▶ Intended for primary care practitioners:  
doctors and/or nurses, occupat. hygienists, etc.
- ▶ developed by



# Staff



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# Conclusions online OSH learning materials for Agriculture



- International and interdisciplinary collaboration is not a luxury, it is a must.
- Call for collaboration in reviewing, selecting and describing educational materials in OSH in agriculture for the repository
- Call for collaboration in development of developing a concise Course Basic Occupational Health in Agriculture for primary health professionals



# How to proceed?

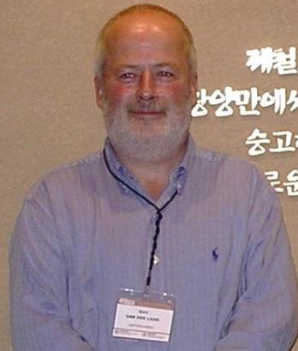
## Resources are limited, creativity?



資源은 有限 創意는 無限

Resources are limited; Creativity is unlimited

### 건립취지문



재월보국의 사명감으로 영일만의 신화를 창출하고  
상양만에서 꽃피워 세계적인 철강기업을 성취한 포스코인들의  
승고한 이념과 불굴의 혼을 보존하고 계승 발전시켜  
밝은 미래를 여는 좌표로 삼고자 역사관을 건립하였습니다.

2003년 7월 3일  
회장 이구택

# Acknowledgement: Frank van Dijk



A close-up photograph of a sailboat's rigging. The image shows a white mast with various ropes, pulleys, and hardware. A blue buoy is visible in the foreground. The background shows a blue sky and the sea. The text is overlaid on the right side of the image.

**Take the right track!**

**Thanks for your attention**

**[g.vanderlaan@occmed.eu](mailto:g.vanderlaan@occmed.eu)**