

Educational materials for Occupational Health and Safety in Agriculture

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The following categories are included:

- documents intended for a training course [indicated **TC**] in Occup. Health and Safety, e.g. texts, descriptions of cases, of lessons or courses, presentations, assignments, examinations,
- documents on the process of education,
- other documents considered useful for training.

If a document is not freely available, such is mentioned.

We highly appreciate if visitors of this site announce materials¹, published or unpublished, with reference to the source, to the coordinator.

The following list was uploaded on 19-11-2016, and is still under development.

Learning and recall of Worker Protection Standard (WPS) training in vineyard workers.

Anger WK, Patterson L, Fuchs M, Will LL, Rohlman DS.
J Agromedicine. 2009;14(3):336-44. (Abstract free)

Overcoming language and literacy barriers in safety and health training of agricultural workers.

Arcury TA, Estrada JM, Quandt SA.
J Agromedicine. 2010;15(3):236-48. (Full text free).

Orientation on health and safety for new agricultural workers.

Canadian Center for Occupational Health and Safety. 2016
<http://www.ccohs.ca/products/courses/agriculture/>
TC e-course 90 min. price: 49 CAD.

Agricultural Medicine: Rural Occupational and Environmental Health, Safety, and Prevention. 2nd Ed.

Donham KJ, Thelin A. Wiley, 2016
Book 551 pages. price approx. 100 USD.

Occupational Medicine for undergraduate students.

European Module for Undergraduate Teaching of Occupational Medicine (EMUTOM). 2012

<http://www.emutom.eu/index.php>

TC Four Chapters, including, (self)assessments, presentations, material for teachers:

- Introduction on Work and Health. 14 pages,
- Effects of Work on Health (Chemicals 16 p., Biologicals 8 p., Physics & Ergonomics 32 p., Psychosocial & Mental 10 p.),
- Fitness for Work. 11 pages,
- Health Promotion. 17 pages.

Not specifically for agriculture. All materials also in Spanish.

Agricultural Medicine Core Course: Building Capacity for Health and Safety Professionals.

Fisher EL, Donham KJ.
J Agromedicine 2011;16:106-116. (Abstract free)

¹ We try to keep to the following format:

Title. Authors [or: Institution (Authors)]. Journal. Year;volume:pages [or: Place, Publisher, year:pages. or website]. If applicable a remark or the type of training material is mentioned.
(Order is by author, respectively date starting with recent)

Manual de diagnostico, tratamiento y prevencion de intoxicaciones agudas por plaguicidas.

Fundacion Plagbol, La Paz, Bolivia. 2008

http://plaguicidas-y-alternativas.org/sites/default/files/p/654/f-262-manual_de_diagnostico_tratamiento_y_prevencion.pdf

Book, 169 pages.

Miscellaneous courses in Occupational Health

GeoLibrary.org, the Global Environmental and Occupational Health E-Library of training materials and practice tools.

<http://geolib.org/Default.aspx>

TC More than nine courses on agricultural subjects mentioned (October 2016), however the majority not accessible.

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

Health and safety executive, UK. 2013.

<http://www.hse.gov.uk/pubns/books/hsg270.htm>

Book, 79 pages. For employers, employees and the self-employed working on farms.

Many ILO publications are in available in several languages

Ergonomic checkpoints in agriculture.

International Labour Office (Niu S, Kogi K.). Geneva, Switzerland, 2014.

http://www.ilo.org/wcmsp5/groups/public/---ed_protect/---protrav/---safework/documents/instructionalmaterial/wcms_176923.pdf

Book 234 pages, 100 checkpoints, with backgrounds, drawings, recommendations, also on participatory implementation. See also the smartphone app.

Ergonomic Checkpoints in Agriculture [app]

International Labour Office. Geneva, Switzerland, 2014.

<http://ilo-agriculture-checkpoints.android.informer.com/>

Smartphone app. of corresponding book; facility for abbreviated checklists.

Work Improvement in Neighbourhood Development. Global manual for WIND: Practical approaches for improving safety, health and working conditions in agriculture.

International Labour Office. Geneva, Switzerland, 2014.

http://www.ilo.org/safework/info/instr/WCMS_241020/lang--en/index.htm

Book, 89 pages, 33 checkpoints each with background, drawings, low-cost recommendations, for small-scale farmers. See also the Action Guide.

Work Improvement in Neighbourhood Development. Global action guide for WIND: Practical approaches for improving safety, health and working conditions in agriculture

International Labour Office. Geneva, Switzerland, 2014.

http://www.ilo.org/safework/info/instr/WCMS_241019/lang--en/index.htm

This "Action Guide" (26 pages) supports the effective application of the WIND Global Manual by practical tips for the organization of training and implementation.

Safety and health in agriculture. Code of Practice.

International Labour Organisation, Geneva, Switzerland, 2011.

http://www.ilo.org/global/publications/ilo-bookstore/order-online/books/WCMS_159457/lang--en/index.htm

Book 348 pages. For governments, employers, workers.

Health, safety and environment. A series of trade union educational manuals for agricultural workers.

International Labour Office (Hirst & Kirby). Geneva, Switzerland, 2004

http://www.ilo.org/wcmsp5/groups/public/---ed_protect/---protrav/---safework/documents/instructionalmaterial/wcms_110199.pdf

Book 325 pages. Instructions, fact sheets, implementation procedures.

Simple Solutions: ergonomics for farm workers

NIOSH (Baron, Estill, Steege, Lalich). USA, 2001

<http://www.cdc.gov/niosh/docs/2001-111/pdfs/2001-111.pdf>

Book 46 pages. Many pictures and self to make solutions.

Safety and Health in Agriculture; a set of fact sheets.

International Labour Organisation; Labour Protection dept. Geneva, Switzerland. 2000.

http://www.ilo.org/wcmsp5/groups/public/@ed_protect/@protrav/@safework/documents/publication/wcms_110193.pdf

24 pages. Statistics, policy, legislation.

Participatory capacity building in occupational disease surveillance among primary care unit (pcu) health personnel

Kaewboonchoo O, Silpasuwan P, Jirapongsuwan A, Rawiworrakul T, Hansing S. (Faculty of Public Health, Mahidol University, Bangkok, Thailand Southeast Asian J Trop Med Public Health 2011;42:1262-8. (Abstract free). Description and evaluation of training course.

A cross-sectional study of stressors among farmers in Eastern North Carolina.

Kearney GD, Rafferty AP, Hendricks LR, Allen DL, Tutor-Marcom R.

N C Med J. 2014;75(6):384-92. (Abstract free)

128 'disadvantaged' farmers completed Farm Ranch Stress Inventory

Roles of Participatory Action-oriented Programs in Promoting Safety and Health at Work.

Kogi K.

Saf Health Work 2012;3:155-65. (Full text free).

One of the many articles on this subject (see its literature list).

Assessing the effectiveness of the Pesticides and Farmworker Health Toolkit: a curriculum for enhancing farmworkers' understanding of pesticide safety concepts.

LePrevost CE, Storm JF, Asuaje CR, Arellano C, Cope WG.

J Agromedicine. 2014;19(2):96-102. (Abstract free)

Evaluation of crop-specific pesticide and farm worker health toolkit.

Biological monitoring of workers exposed to pesticides - Guidelines for application in field settings.

London L. (Occupational and Environmental Health Research Unit, Dept Community Health, University of Cape Town, South Africa. (2011) revision 2015. 19 pages

<http://www.oercommons.org/courses/biological-monitoring-of-workers-exposed-to-pesticides-guidelines-for-application-in-field-settings-3/view>

For medical staff and others charged with monitoring workers for pesticide exposure.

Improving health and safety conditions in agriculture through professional training of Florida farm labor supervisors.

Morera MC, Monaghan PF, Tovar-Aguilar JA, Galindo-Gonzalez S, et al. (Florida, USA)

J Agromedicine. 2014;19(2):117-22. (Abstract free)

Evaluation procedure of a training programme.

National Agriculture Safety Database

<http://nasdonline.org/browse.php>

47 main headings, each with many concise documents, also some videos

WHO modules in Occupational Health; Economic sector Agriculture.

Nickels L. et al. (Chicago School of Public Health, University of Illinois). 2005.

Instructor Manual: 69 pages. Student Manual: 53 pages

<http://geolibrary.org/Library/Default.aspx?searchKeyword=Nickels&SearchTopLevelCategoryID=2&CategoryID=2>

TC Restricted to Exposure assessment and intervention.

Miscellaneous courses in Occupational Hygiene.

Occupational Hygiene Learning 2010

<http://ohlearning.com/training-search-pages/ViewTrainingMaterial.aspx>

TC, each one week, not specifically agriculture

Ergonomics, Hazardous substances, Noise, etc

Evaluating the Effectiveness of a Lay Health Promoter-Led, Community-Based Participatory Pesticide Safety Intervention With Farmworker Families

Quandt SA, Grzywacz, JG, Jennifer W. Talton JW, et al.

Health Promot Pract. 2013;14(3):425–432. (Full text author Ms free)

Large effect in 600 farmworker family members.

Basic Occupational Health Services

Rantanen J. Finnish Institute of Occupational Health (FIOH). 3rd ed, 2007.

http://www.ttl.fi/en/publications/Electronic_publications/Documents/BOHS3Edition28Sept2007_3_.pdf

Booklet 21 pages. Many textboxes that can be adapted to presentation slides.

Toward a national course in agricultural medicine and curriculum in agricultural safety and health: the “building capacity” consensus process.

Rudolphi JM, Donham KJ.

J Agromedicine 2015;20(1)77-83. (Abstract free).

Description of update process of course and of textbook

Increasing the number of trained health and safety professionals in agricultural medicine: evaluation of the "building capacity" program, 2007-2013.

Rudolphi JM, Donham KJ.

J Agromedicine 2015;20:21-30. (Abstract free).

Description of the course dissemination to other states and its evaluation.

Occupational Safety and Health in Agriculture- the BOHS approach

TC Shah D. Indian Association of Occupational Health. 2013

<http://www.iaohindia.com/home>

Powerpoint (41 slides). Present in window called **TRAINING MODULES ON BASIC OCCUPATIONAL HEALTH SERVICES**

Incorporating occupational health interventions in a community-based participatory preventive health program for farm families: a qualitative study.

Schiller LF, Donham K, Anderson T, Dingledein DM, Strebel RR.

J Agromedicine. 2010;15(2):117-26. (Abstract free)

Participants accepted inclusion of parts of the Certified Safe Farm program.

Basic Occupational Health Service.

Varekanp I, Van Dijk F. 2012 Netherlands

<http://www.healthfoundation.eu/get/7100/207/basic-occupational-health-service>

TC A 7 module course, non specifically referring to agriculture. Available after email request.

Farmers' work-day noise exposure.

Williams W, Brumby S, Calvano A,

Aust J Rural Health. 2015;23(2):67-73. (Abstract free)

Dosimetry, 53 farmers, feedback reports to farmers are effective

Websites that contain educational materials. Check for recent additions of materials.

Useful for effective searching:

Occupational Safety and Health online; how to find reliable information.

van Dijk F, Caraballo-Arias Y (LDOH foundation), the Netherlands. 2016.

<http://www.ldoh.net/downloads/occupational-safety-health-online-find-reliable-information/>

Freely available, see the website

BioMedCentral (BMC) Public Health; The Open Access Publisher (UK).

<http://bmcpublichealth.biomedcentral.com/>

Canadian Center for Occupational Health and Safety (CCOHS).

www.ccohs.ca

Several courses, a few (e.g. on Musc.Skel.Disorders introductory level), free.

Cochrane for Occupational Health and Safety (Finland).

<http://work.cochrane.org>

Great Plains Center for Agricultural Health (USA)

<http://www.public-health.uiowa.edu/gpcah/>

HazMap; Information on occupational diseases and hazardous jobs (by Brown JA., USA)

www.hazmap.nlm.nih.gov (strictly speaking no educational material)

Health and Safety Executive (HSE); Agriculture (UK)

<http://www.hse.gov.uk/agriculture/index.htm>

Many highly relevant subjects. E.g. leaflets (pdf):

<http://www.hse.gov.uk/pubns/agindex.htm>

on e.g. poultry dust, children & safety, lifting, cattle, pesticides, vehicles, machinery, whole body vibration, grain dust, veterinary medicines, slurry stores and gases, etc.

International Labour Organisation (ILO, Switzerland)

<http://www.ilo.org/global/lang--en/index.htm>

and

<http://www.ilo.org/global/industries-and-sectors/agriculture-plantations-other-rural-sectors/lang--en/index.htm>

Many materials, e.g. on women and child labour, in many languages, free

Learning and Developing Occupational Health (LDOH, Netherlands)

<http://www.ldoh.net/>

National Centre for Farmer Health (Au)

<http://www.farmerhealth.org.au/page/health-topics>

Many concise leaflets (with links for further information) on e.g. depression, suicide, first aid, lung conditions, stress.

<http://www.farmerhealth.org.au/safety-centre>

Similar leaflets on e.g. animal handling, zoonoses, machinery, water safety.

National Institute for Occupational Safety and Health (NIOSH); Agriculture (USA)

<http://www.cdc.gov/niosh/agforfish/>

Nordic Institute for Advanced Training in Occupational Health (NIVA)

<http://niva.org>

Occupational Hygiene Learning (UK)

<http://ohlearning.com/default.aspx>

Occupational Safety and Health Administration (OSHA); Agriculture (USA)

<https://www.osha.gov/dsg/topics/agriculturaloperations/publications.html>

categories e.g.: vehicles, heat illness, farm safety, grain handling, tree care.

Open Educational Resources (OER) Commons (USA)

<http://www.oercommons.org/>

PubMed (USA)

<https://www.ncbi.nlm.nih.gov/pubmed>