

Image: CDC/Alissa Eckert and Dan Higgins

Facilitating Pandemic Preparedness in the Agricultural Industry using the CCOVID-19 Hazard Assessment and Mitigation Plan (CHAMP) e-tool

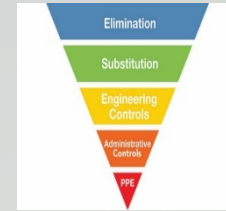
Melissa Millerick-May, MSc, PhD
Assistant Professor of Medicine
Division of Occupational and Environmental Medicine
MSU Environmental Health and Safety
MSU Extension

Contact: milleric@msu.edu, phone: 517.432.0707

Background – Agricultural Industry

- Well-versed in the identification and mitigation of risk factors specific to biosecurity (secure food supply)
- Early 2000's, activity focused on pandemic influenza focused on rapid identification of disease within flocks, depopulation and disposal – less emphasis on minimizing the potential for zoonotic disease transfer to workers
- Previously developed pandemic preparedness plans were not readily adaptable/implementable for COVID-19

Objective(s)



Hierarchy of Controls
(Most to Least Effective)

Minimize impact on businesses, workers and the public through the development and implementation of a pandemic risk mitigation strategy for COVID-19 following federal, state and local guidelines.

- State-level requirement for businesses to submit and register pandemic preparedness plans that employ a risk assessment approach (OSHA's Preparing Workplaces for COVID-19)
 - Established strategy for risk ID
 - Mitigation using hierarchy of controls
 - Utilizing a cross-disciplinary agriculture-centric approach with a team of industry experts highly skilled in extension, outreach, workplace exposure assessment and mitigation strategies and occupational medicine –
 - Develop a user-friendly risk-based tool for agricultural sectors and commodity groups
 - PC application guiding users through a task/job focused risk assessment process
 - Decision-making matrix for the ID of control measures in-line with operational requirements aimed at mitigating spread within the workforce and to the public (public facing operations)
 - Development of a COVID-19 pandemic preparedness plan satisfying state and local requirements
 - (future direction) Develop a downloadable flexible-format point and click PC/web risk assessment and mitigation tool with mobile interface
- May be used for risk ID and mitigation of endemic zoonoses and future pandemics

Objectives (Cont'd) – Provide Industry AID

The COVID-19 Hazard Assessment and Mitigation Program ([CHAMP](#)) is a free tool that farmers and associated businesses in the agricultural industry can use to:

- **Assess** the risk for transmission of COVID-19 within their operation.
- **Identify** effective task-specific mitigation options.
- **Develop** a written pandemic preparedness plan that satisfies state and local regulatory requirements (currently geared toward the State of Michigan).

Objective(s) – Bottom Line

- Easy to use (familiar) PC based application – MS Excel
- Capitalize on outstanding tools/guidance already available in conjunction with state and local requirements (e.g. Executive Orders) – provide the ‘How To’
- Plan Components -
 - Appointing a responsible individual to develop, implement, monitor, and routinely evaluate the effectiveness of the operation's pandemic preparedness plan.
 - Health Screening
 - Workplace Preparation - Increased Standards for Cleaning and Disinfection
 - Group Housing
 - COVID-19 Testing Requirements and Communication of Results
 - Job Analysis (Hazard ID) and Risk Mitigation Plan(s)
 - Employee Communication and Training
 - Resources

AutoSave Off 1 2 3 4 CHAMP_Lite_beta5_wGC.xlsx - Excel Millerick May, Melissa MM

File Home Insert Draw Page Layout Formulas Data Review View Help ACROBAT Search

Clipboard Font Alignment Number Styles Cells Editing Ideas Sensitivity

A26

MICHIGAN STATE UNIVERSITY Extension

Michigan State University's COVID-19 Hazard Assessment and Mitigation Plan (CHAMP) was developed as an e-tool to assist the Michigan agriculture community in assessing risk for spread of COVID-19 in their operations, to help identify and implement appropriate and meaningful exposure control strategies to protect workers and the public (customers) consistent with business operations, and to comply with State of Michigan requirements for essential and open businesses under the Governor's Executive Orders.

Information and guidance presented herein has been adapted and compiled directly from Federal, State, local and other sources including the Centers for Disease Control and Prevention (CDC), the Occupational Safety and Health Administration (OSHA), the Michigan Department of Health and Human Services (MDHHS), the Michigan Occupational Safety and Health Administration (MIOSHA), the Michigan Department of Agriculture and Rural Development (MDARD) and others. There may be components of this e-tool that are not applicable to your business. Simply delete those components or note 'Not Applicable' on the top of the form/worksheet.

Questions? Suggestions for Improvement? Please Contact Any Member of the MSUE CHAMP Development Team:

Jeremy Jubenville, Phillip Tocco, Stanley Moore, Ben Werling, Paola Sanguesa Bacigalupo, Marissa Schuh, Marisol Quintanilla, Heidi Lindberg, Henry Chung, Beth Ferry, Anthony Oliveri, Craig Anderson (MFB), Melissa Millerick-May

CHAMP-Lite COVID-19 Preparedness Plan_Req COVID-19_Health Screening COVID-19_Wkq ... 100%

File Home Insert Draw Page Layout Formulas Data

Calibri 11 A^ A^

Paste B I U v Font Alignment

R35

A B C D E F G H I J K L

2
3 COVID-19 is a respiratory disease caused by the SARS-CoV-2 virus that reached pandemic status in early 2020. The highly contagious and can be transmitted through air in droplet and aerosol form and by contact with contaminated surfaces in order to minimize impact on businesses, workers and the public, it is incumbent upon employers to develop a risk mitigation strategy.

4
5
6

7 Issued May 1, 2020 Executive Order 2020-70 contained the *initial* requirement for implementation of additional health and safety practices aimed at mitigating spread of disease between and amongst workers, and between workers at businesses for in-person work' and the general public. These requirements included provisions for:

8
9

10 ♦ Symptom screening and prevention of workers from entering the premises if sick or if in contact with an individual with a confirmed diagnosis of COVID-19

11 ♦ Social distancing

12 ♦ Use of personal protective equipment (PPE) if and when necessary to prevent disease transmission

13 ♦ Increasing standards of facility cleaning and disinfection

14 ♦ A written COVID-19 preparedness and response plan consistent with OSHA guidance made available at the workplace.

15 ✓ This includes designating an individual to be the 'COVID-19 Pandemic Preparedness Responsible Individual' who will oversee all components of the program.

16
17

18 Executive Order 2020-111, issued June 1, 2020 established requirements for implementing provisions aimed at 'the Food Supply and Migrant and Seasonal Agricultural Workers from the effects of COVID-19' and in requirements for owners/operators of migrant housing camps. Executive Order 2020-114, issued June 3, 2020

19
20 Executive Order 2020-137, issued June 29th, 2020 expands upon Executive Orders 2020-70 and Executive Order 2020-111 respectively and contains additional provisions aimed at protecting worker health and safety.

21
22
23
24

25 Completion of this COVID-19 Hazard Assessment and Mitigation Program e-tool may be used as a framework to establish a written response plan consistent with the referenced OSHA guidance and as required under Executive Orders 2020-70 and 2020-114 (issued June 5th, 2020). Modify and complete worksheets and document templates contained herein to fit your operation.

26
27
28
29

30 Business Name: [REDACTED]

31 Business Owner: [REDACTED]

32 Business Contact Number: [REDACTED]

33 Business Address: [REDACTED]

34
35
36
37

38 COVID-19 Pandemic Preparedness Responsible Individual (Name): [REDACTED]

39 Contact Number: [REDACTED]

40

CHAMP-Lite COVID-19 Preparedness Plan_Req COVID

leo_MIOSHA Enforcement.pdf - Adobe Acrobat Pro 2017

File Edit View Window Help

Home Tools SOS-AGENDA-F... MSUECHAMP... Health Screenin... leo_MIOSHA Enf... Sign In

1 / 19 91.1%

MIOSHA **AGENCY**
Michigan Occupational Safety and Health Administration (MIOSHA) **INSTRUCTION**
Department of Labor and Economic Opportunity (LEO)

DOCUMENT IDENTIFIER: DATE:
MIOSHA-COM-20-1 April 15, 2020

SUBJECT: Coronavirus Disease 2019 (COVID-19) – Interim Enforcement Plan

I. Purpose. This instruction establishes policies and procedures for handling complaints alleging hazards related to coronavirus (SARS-CoV-2 virus) and coronavirus disease 2019 (COVID-19).

II. Scope. This instruction applies to all MIOSHA staff handling coronavirus complaints in the General Industry Safety and Health Division (GISHD), the Construction Safety and Health Division (CSHD), and the Consultation Education and Training (CET) Division.

III. References.

A. General Industry Safety and Health Standard Part 33. R 408.13301 et seq., [Personal Protective Equipment](#).

B. General Industry Safety and Health Standard Part 474. R 325.47401 et seq., [Sanitation](#).

C. Michigan Occupational Safety and Health (MIOSH) Act, MCL 408.1001 et seq., P.A. 154 of 1974, as amended.

D. [MIOSHA Field Operations Manual \(FOM\)](#), as amended.

E. Occupational Health Standard Part 451. R 325.60051 et seq., [Respiratory Protection](#).

F. Occupational Safety and Health Administration (OSHA), [Guidance on Preparing Workplaces for COVID-19](#).

G. OSHA Memorandum, [Expanded Temporary Enforcement Guidance on Respiratory Protection Fit-Testing for N95 Filtering Facepieces in All Industries During the Coronavirus Disease 2019 \(COVID-19\) Pandemic](#), April 8, 2020.

Next Steps

- Update e-tool as new requirements/resources are developed
- Continue with systematic deployment as well as on an as-needed/on-demand basis
- Support farmers in their efforts to conduct exposure/risk assessments (one-on-one, virtual) and develop mitigation strategies that align with already developed biosecurity/secure food supply programs
- Develop commodity-specific content/tools
- Develop web-based/mobile application



THANK YOU!!