



COVERNMENT PROPERTY

Technology and Livelihood Education

Quarter 1 - Module 3 Carrying Out Inventory Activities

(Inspecting facilities according to standard codes and laws)

Agricultural Crop Production NC II



CO_Q1_TLE 10_Module 3

10

Technology and Livelihood Education

Quarter 1 - Module 3 Carrying Out Inventory Activities

(Inspecting facilities according to standard codes and laws)

Agricultural Crop Production NC II



Agricultural Crop Production NC II – Grade 10 Alternative Delivery Mode Quarter 1 – Module 3: Carrying out inventory activities (Inspecting facilities according to standard codes and laws)

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Introductory Message

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are carefully stated for you to understand each lesson.

Each SLMS is composed of different parts. Each part shall guide you step-bystep as you discover and understand the lesson prepared for you.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you if you need to proceed on completing this module or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teacher are also provided to our facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and test. And read the instructions carefully before performing each task.

If you have questions in using this SLM or any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator.

Thank you.



For the facilitator:

Hi, as a facilitator you are expected to orient the learners on how to use this module. You also need to keep track of the learners' progress while allowing them to manage their own learning. Kindly, advise the learner's parents or guardians of the same procedure since they will be the primary supporters in the learners' progress. Please, do not forget to remind the learner to use separate sheets in answering all of the activities found in the learning module

For the learner:

Hello learner, Welcome to the Agricultural Crop Production NC II Alternative Delivery Mode (ADM) Module on Inspect facilities according to standard codes and laws. I hope you are ready to progress in your Grade 10 TLE in Agriculture with this learning module. This is designed to provide you with interactive tasks to further develop the desired learning competencies prescribed in our curriculum. With this, you are expected to appreciate staking through the information and activity given.

This module has the following parts and corresponding icons:

ICON	LABEL	DETAIL		
B	What I Need to Know	This contains the learning objectives which you need to accomplish.		
	What I know	This evaluates what you know about the lesson you are to learn.		
AND	What's In	This connects the current lesson with a topic necessary in your understanding.		
S	What's New	This introduces the lesson through an activity.		
	What Is It	This contains a brief discussion of the learning module lesson.		
(All	What's More	These are activities to check your understanding of the lesson.		
	What I Have Learned	This summarizes the important ideas presented in the lesson.		
	What I Can Do	This is a real-life application of what you have learned.		
	Assessment	This is a post assessment of what you have learned.		
00	Additional Activity	This is an activity that will strengthen your knowledge about the lesson.		

At the end of this module you will also find:

References

This is a list of all sources used in developing this module.

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Lesson

Inspecting facilities according to standard codes and laws

The following are some reminders in using this module:

- 1. Use the module with care. Do not put unnecessary mark/s on any part of the module. Use a separate sheet of paper in answering the exercises.
- 2. Don't forget to answer *What I Know* before moving on to the other activities included in the module.
- 3. Read the instruction carefully before doing each task.
- 4. Observe honesty and integrity in doing the tasks and checking your answers.
- 5. Finish the task at hand before proceeding to the next.
- 6. Return this module to your teacher/facilitator once you are through with it.

If you encounter any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator. Always bear in mind that you are not alone.

We hope that through this material, you will experience meaningful learning and gain deep understanding of the relevant competencies. You can do it!



What I Need to Know

This module was designed and written to guide you to acquire the learning competencies and develop your skills in Inspecting facilities according to standard codes and laws-Agricultural Crop Production NC II, Carrying out Inventory Activities. The scope of this module permits it to be used in many different learning situations. The language used recognizes the diverse vocabulary level of students. The lessons are arranged to follow the standard sequence of the course. However, the order in which you read the module can be changed to correspond with the textbook you are now using.

Quarter/Week	Q1/W2	
Learning Competency Code	TLE_AFAAPC9- 12PRK-Ia-b-13	
Learning Competency	LO 1. Carry out inventory activities	
	1.3 Inspect facilities according to standard codes and laws	

Learning Objectives:

After going through this module, you are expected to:

- 1. know and understand codes and laws related to facility inspection;
- 2. know the right as a worker in relation to health and safety;
- 3. determine regulations to agricultural operation; and,
- 4. develop traits such as diligence, obedience and honesty in achieving the knowledge and skills on inspecting facilities.



What I Know

Pretest

I. Multiple Choice.

Directions. Read the following questions carefully, select the letter of the correct answer and write in your activity sheet.

1. The State shall ensure a safe and healthful workplace for all working people by affording them full protection against all hazards in their work environment.

A. Republic Act No. 8749 C. Republic Act No. 10611

B. Republic Act No. 11058 D. Republic Act No. 8749

- 2. An Act to Strengthen the Food Safety Regulatory System in the country to protect consumer health and facilitate market access of local foods and food products, and for other purposes" otherwise known as the "Food Safety Act of 2013."

A. Republic Act No. 8749	B. Republic Act No. 11058
C. Republic Act No. 10611	D. Republic Act No. 8749

3. Otherwise known as the National Building Code of the Philippines, it provides for all buildings and structures a framework of minimum standards and requirements by guiding, regulating, and controlling their location, siting, design, quality of materials, construction, use, occupancy, and maintenance. A. R.A. No. 6541 B. Republic Act No. 11058 C. Republic Act No. 10611 D. Republic Act No. 8749

- 4. Philippine Clean Air Act, is a comprehensive air quality management policy and program which aims to achieve and maintain healthy air for all Filipinos. A. Republic Act No. 8749 B. Republic Act No. 11058 C. Republic Act No. 10611 D. Republic Act No. 8749
- 5. Agency that is responsible for the conservation, management and development of the environment. A. DOLE B. DOH C. DENR D. LGU

II. **MATCHING TYPE**

Match column A with column B by simply writing a letter of your choice on your answer sheet.

Issues	Requirements of Farm
--------	----------------------

1. Pesticide use by	a. Report spills of oil that reach waterways
workers or	to DENR.
handlers	b. Label restrictions typically require
2. Building	protective clothing and engineering
renovation/demolit	controls
ion	c. Secure a permit
3. Hazardous waste	d. Proper handling of listed and
4. Air Emissions	characteristic hazardous
5. Oil spill	e. Comply with regulatory requirements.

III. FILL-IN THE BLANK

DIRECTION: Fill-in the blank to complete the statement. Write your answer on your answer sheets.

- 1. Food business operators shall ensure that food satisfies the requirements of food law and that control systems are in place to prevent, eliminate or reduce risks to _____.
- 2. General safety and health inspection refer to inspection of the work environment, including the location and operation of machinery other than those covered by technical safety inspections, adequacy of work space, ventilation, lighting, conditions of work environment, handling, storage or work procedures, protection facilities and other safety and health hazards in the ______.
- 3. This is a general description of Inspect facilities according to standard codes and laws requirements, and should only be used as a _____.
- 4. Since rules and regulations may change, use this information as a starting place to determine which regulations apply to your ______ operation.
- 5. Republic Act No. 10611, Strengthen the Food Safety Regulatory System in the country to protect consumer health and facilitate market access of local foods and food products, and for other purposes" otherwise known as the _____.



What's In

Hello learners. In the previous lesson, you have learned how to determine inputs according to enterprise requirements, defective tools according to operational manuals where you have experience conducting inventory of tools and equipment. Repair report forms, Salvage report form, tagging out bill and inspection report form were introduced wherein you can use as basis in this topic. In this module, you will learn rules and regulations related to farm operations according to standard codes and laws.



Instruction: Answer the following questions in NOT MORE THAN five (5) sentences. Refer to the rubric below for the assigned points. (5points each)

CRITERIA	ASSIGNED POINTS
Content	3 points
Grammar	1 point
Organization of thoughts	1 point
TOTAL POINTS	5 points

Questions:

- 1. What is the role of the Department of Labor and Employment in agricultural Crop operation?
- 2. What is the role of the Department of Environment and Natural Resources in agricultural operations?



What Is It

Laws and Regulations that Apply to Agricultural Operation

This is a general description of inspecting facilities according to standard codes and laws requirements, and should only be used as a guide. Since rules and regulations may change, use this information as a starting place to determine which regulations apply to your agricultural operation.

Republic Act No. 11058-An Act Strengthening Compliance with Occupational Safety and Health Standards and Providing Penalties for Violations Thereof.

The State shall ensure a safe and healthful workplace for all working people by affording them full protection against all hazards in their work environment. It shall ensure that the provisions of the Labor Code of the Philippines, all domestic laws, and internationally-recognized standards on occupational safety and health are being fully enforced and complied with by the employers, and it shall provide penalties for any violation thereof.





Republic Act No. 10611, "An Act to Strengthen the Food Safety Regulatory System in the country to protect consumer health and facilitate market access of local foods and food products, and for other purposes" otherwise known as the *"Food Safety Act of 2013."*

Principal Responsibility of Food Business Operators. – Food business operators shall

ensure that food satisfies the requirements of food law and that control systems are in place to prevent, eliminate or reduce risks to consumers.

Issues	Type of Farm Activity	Requirements of Farm	
Pesticide use by workers or handlers	Mixing, loading and application of pesticides and any other farm labor that involves exposure to pesticides.	Label restrictions typically require protective clothing and engineering controls (e.g., tractors with enclosed cabs and air recirculation systems).	
Restricted Pesticide Use	Pest control with the use of 'restricted use' pesticides.	Required training for farmers and/or their pesticide applicators that use 'restricted use' pesticides.	
	Storage and disposal of pesticides and pesticide containers.	Follow label instructions for storing and disposing of pesticides and containers.	
FIRE WILL CAUSE TOXIC FUMES https://en.wikipedia.org/wiki/Pesticide	Crop and livestock production practices that involve pest control.	Follow label instructions to apply pesticide legally.	
	Farms that dispose of pesticide residues	Proper disposal of pesticide hazardous wastes	
Pesticide use and endangered species	Pest control on farmland or forests that have endangered species habitat.	Farmers must follow label requirements and country bulletin requirements (if available) to ensure	

Crop Production (including nurseries, greenhouses, forestry)

bit bit <th>Rock crushing, gravel washing, log sorting, and log storage facilities</th> <th>protection of endangered species. Permit required for specific forestry activities</th>	Rock crushing, gravel washing, log sorting, and log storage facilities	protection of endangered species. Permit required for specific forestry activities
Farm Facilities, Fuel		
On and Off-Road equipment Tractor Implements & Attachments	Farm vehicles, engines, equipment and fuels.	Producers are subject to various mobile source requirements, similar to
Applications & more		other similar users/operators of highway and off-road vehicles, engines, equipment, and fuel.
Oil Storage OIL STORAGE AREA	Farm that stores, transfers, uses, or consumes oil or oil products, such as diesel fuel, gasoline, lube oil, hydraulic oil, crop oil, vegetable oil could reasonably be expected to discharge oil to waters or adjoining shorelines, such as lakes, rivers, and streams.	Prepare and implement a plan (plan may need to be certified by a professional engineer, environmentalist or DENR)
Oil spill With the spile of th	Any farm that has a discharge of oil that may reach navigable waters or adjoining shoreline	Report spills of oil that reach waterways to DENR.

	Chemical Handling		
Acute Toxic Health Hazard Flammable Exclamation Mark Image: Acute Toxic Health Hazard Flammable Exclamation Mark Image: Acute Toxic Gas Cylinder Exploding Bomb Environmental Hazard Image: Acute Toxic Gas Cylinder Exploding Bomb Environmental Hazard Image: Acute Toxic Gas Cylinder Exploding Bomb Environmental Hazard			
Hazardous	Farms that handle	The owners and operators of	
substances	hazardous substances.	stationary sources (facility) that handle any extremely hazardous substance in any quantity have a general duty to identify hazards, design and operate a safe facility and to prevent and/or mitigate accidental releases	
Hazardous substances	Any farm handling more than a threshold quantity of extremely hazardous substances or substances requiring an Occupational Safety and Health Administration (OSHA)	Report inventory of certain extremely hazardous substances to the DENR or Local Government Unit.	
Toxic and/or flammable substances	Facilities that handle more than a threshold quantity of certain toxic and/or flammable substances. Listed agricultural nutrients when held by a farmer are excluded (e.g. ammonia); and flammables used as a fuel	Must implement a chemical accident program and prepare and submit a Risk Management Plan (RMP) to the LGU or Bureau of Fire.	

R.A. No. 6541, Otherwise known as the National Building Code of the Philippines, provides for all buildings and structures a framework of minimum standards and requirements by guiding, regulating, and controlling their location, siting, design, quality of materials, construction, use, occupancy, and maintenance.

Buildings/Construction/Renovation

Topic	Type of Farm Activity	Require	ments of Farm
Building renovation/demolition	Renovations of buildings which contain hazardous during demolitions of all structures, installations, and facilities	Secure a permit	
Wastes			
Hazardous waste	Farms that generate, transport, treat, store or dispose of hazardous waste	Proper handling of listed and characteristic hazardous	
Republic Act No. 8749, otherwise known as the Philippine Clean Air Act, is a comprehensive air quality management policy and program which aims to achieve and maintain healthy air for all Filipinos. Lifted from the Department of Environment and Natural Resources. Air Emissions/Releases			
Air Emissions	Engines		Comply with regulatory requirements.
Hazardous substance release	Any farm handling hazardous substances that has a threat of a release that is determined to be an imminent and substantial danger to public health or welfare.		Secure a permit

General safety and health inspection" refer to inspection of the work environment, including the location and operation of machinery other than those covered by technical safety inspections, adequacy of work space, ventilation, lighting, conditions of work environment, handling, storage or work procedures, protection facilities and other safety and health hazards in the workplace.



What's More

Direction: Fill in the diagram below with other agencies that are directly concerned with the Agricultural Operations and write at least three concerns or issues that it is dealing with.





What I Have Learned

Direction: Answer the following sincerely. Put your answer on your answer sheet.

Topic:	 		



I have learned from this lesson that:

I could use or apply the lesson/skills in:

Self-Reflection

The level of my understanding on this lesson is _____ (1-10 where 1 is the lowest and 10 is the highest). I need to study more on:



What I Can Do

Direction:

In your working place, list at least 5 concerns/issues and identify possible agencies that can help to address the issues. You will be guided with the table below. Put your answer on your answer sheets.

Issues/concern	Type of farm Activity	Agency and Requirement
1.		
2.		
3.		

4.	
5.	

Criteria	4	3	2	1
Clear	Exceptionally clear and easy to understand	Generally clear and quite easy to understand	Lacks clarity and difficult to understand	Unclear explanation
Comprehensive	Thorough and comprehensive explanation	Substantial explanation	Partial or not comprehensive explanation	Misunderstanding or serious misconception on the explanation
Relevant	Highly relevant	Generally relevant	Somewhat relevant	Irrelevant
Facilitator's Remarks:				



Assessment

Post-Test

I. Multiple Choice.

Directions. Read the following statement carefully, select the letter of the correct answer and write in your activity sheet.

1. Food business operators shall ensure that food satisfies the requirements of food law and that control systems are in place to prevent, eliminate or reduce risks to _____.

a. Consumer b. Work place c. Guide d. Food safety Act

2. General safety and health inspection refer to inspection of the work environment, including the location and operation of machinery other than those covered by technical safety inspections, adequacy of work space, ventilation, lighting, conditions of work environment, handling, storage or work procedures, protection facilities and other safety and health hazards in the ______.

a. Consumer b. Work place c. Guide d. Food safety Act

3. This is a general description of Inspect facilities according to standard codes and laws requirements, and should only be used as a _____.

a. Consumer b. Work place c. Guide d. Food safety Act

- 4. Since rules and regulations may change, use this information as a starting place to determine which regulations apply to your ______ operation.
 - a. Agriculture b. Work place c. Guide d. Food safety Act
- 5. Republic Act No. 10611, Strengthen the Food Safety Regulatory System in the country to protect consumer health and facilitate market access of local foods and food products, and for other purposes" otherwise known as the _____.

a. Consumer b. Work place c. Guide d. Food safety Act

II. Matching Type

Match column A with column B by simply writing a letter of your choice on your answer sheet.

Column A	Column B
1. The State shall ensure a safe and healthful workplace for all working people by affording them full protection against all hazards in their work	A. DENR
environment.2. Otherwise known as the National Building Code of the Philippines, it provides for all buildings and	B. DOLE
structures a framework of minimum standards and requirements by guiding, regulating, and controlling their location, siting, design, quality of	C. D.A.
materials, construction, use, occupancy, and maintenance.	D. Republic Act No. 11058
3. Philippine Clean Air Act, is a comprehensive air quality management policy and program which aims to achieve and maintain healthy air for all Filipinos.	E. Republic Act No. 10611 F. Republic Act
 4. Responsible for the conservation, management and development of the environment. 5. An Act to Strangthen the Food Sofety Demiletery 	No. 8749
5. An Act to Strengthen the Food Safety Regulatory System in the country to protect consumer health and facilitate market access of local foods and food products, and for other purposes" otherwise known as the <i>"Food Safety Act Of 2013."</i>	G. R.A 6541

III. IDENTIFICATION TYPE

Identify words or groups of words that encompass the statement. Choose your answer on the given box. Put your answer on your answer sheets.

Pesticide use by workers or handlers	Building
Renovation/demolition	Air Emissions
Hazardous waste	Oil spill

- 1. Report spills of oil that reach waterways to DENR.
- 2. Label restrictions typically require protective clothing and engineering controls
- <u>3.</u> Secure a permit
- 4. Proper handling of listed and characteristic hazardous
- ____5. Comply with regulatory requirements.



Additional Activity

Instruction: Answer the following questions in NOT MORE THAN five (5) sentences. Refer to the rubric below for the assigned points. (5points each)

CRITERIA	ASSIGNED POINTS
Content	3 points
Grammar	1 point
Organization of thoughts	1 point
TOTAL POINTS	5 points

Questions:

- 1. What will you do when you find out that equipment can cause hazards during inspection?
- 2. What is the main goal of the Occupational Health and Safety Act?
- 3. What is the main purpose of the Food Safety Act of 2013?
- 4. What program of the Department of Agriculture can help in facilitating health and safety of the farmer?

Post-Assessment What I Know

Pre-Test

fast-fast

Multiple Choice.

A .1 Multiple Choice.

1. B

.2 С

.5 A

2' C 4' D

Matching Type

A .4

3. C

2. B

MATCHING TYPE

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IDENTIFICATION TYPE

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1 point

1 point

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Air Emissions

Hazardous waste

Building renovation/demolition

Pesticide use by workers or handlers

FILL IN THE BLANK

1. consumers.

2. workplace.

3. guide.

5. A

3' D

I. B

.2 С

Е .4

4. agricultural

5. Food Safety Act.

wan s'jghw

Jacd guide rubric

Organization of thoughts Grammar Content CRITERIA

What's More STNIO9 JATOT

Varied answer

What I Have Learned

Varied answer

What I Can Do

Used scoring guide

10

explanation comprehensive Partial or not

 \mathbf{Z}

explanation Substantial

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Гаска Generally clear

to understand and quite easy

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to understand

explanation comprehensive Thorough and

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Criteria

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