

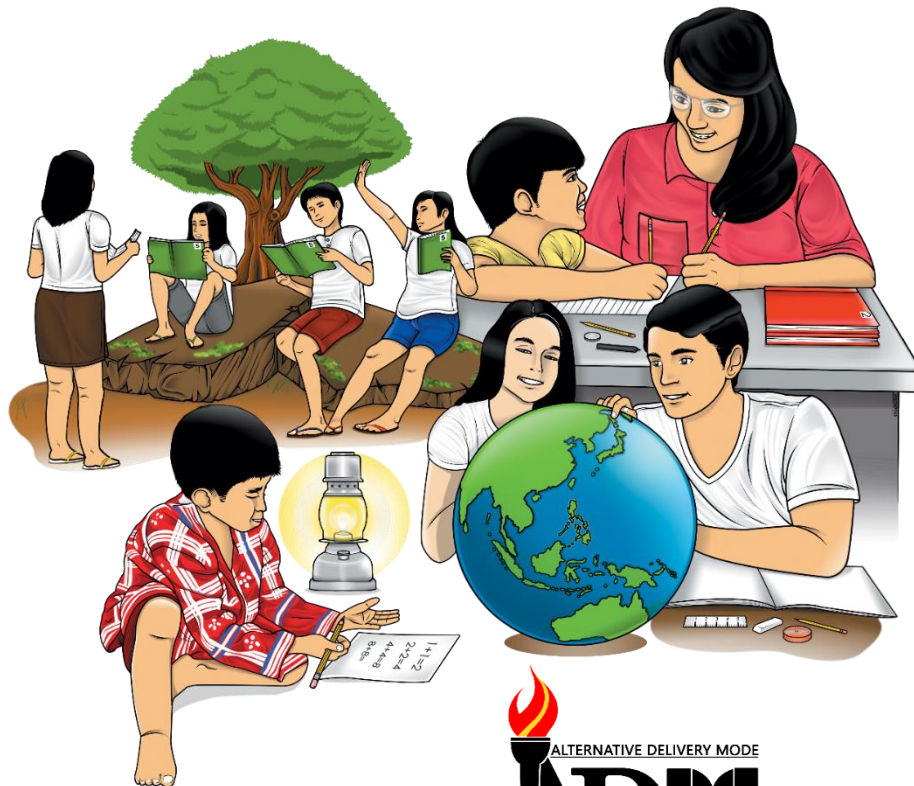
# Technology and Livelihood Education

## Quarter 1 - Module 1

### Carrying out inventory activities

(Determining inventory inputs according to enterprise requirements)

#### AGRICULTURAL CROP PRODUCTION NC II



## **Technology and Livelihood Education**

### **Quarter 1 - Module 1**

#### **Carrying out inventory activities**

(Determining inventory inputs according to  
enterprise requirements)

### **AGRICULTURAL CROP PRODUCTION NC II**

## **AGRICULTURAL CROP PRODUCTION NC II– Grade 10**

### **Alternative Delivery Mode**

#### **Quarter 1 – Module 1: Carrying out inventory activities**

#### **(Determining inventory inputs according to enterprise requirements)**

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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-by-step 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.

## ***Notes to the Teacher***

This contains helpful tips or strategies that will help you in guiding the learner.











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 determining inventory inputs according to enterprise requirements. 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 carrying out inventory farm input through the information and activity given.

This module has the following parts and corresponding icons:

ICON	LABEL	DETAIL
	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.
	What's In	This connects the current lesson with a topic necessary in your understanding.
	What's New	This introduces the lesson through an activity.
	What Is It	This contains a brief discussion of the learning module lesson.
	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.
	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

# 1

## Determining inventory inputs according to enterprise requirements

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 determining inventory inputs according to enterprise requirements-Agricultural Crop Production, 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

Learning Competency Code

Learning Competency

Q1/W1

TLE\_AFAAPC9- 12PRK-Ia-b-13

**LO 1. Carry out inventory activities**

1.1 Determine inventory inputs according to enterprise requirements

### **Learning Objectives:**

After going through this module, you are expected to:

1. identify the different farm inputs;
2. carrying out inventory of farm inputs required in farm plan; and,
3. consider farm inputs in farm production planning.



## What I Know

### Pretest

#### I. Matching Type

**Directions:** Read the statement carefully at column A, Choose the letter of the best answer on column B. Write the chosen letter on your answer sheet.

Column A	Column B
1. Use to mitigate insect attack	a. Seeds
2. Expense for farm activities	b. Insecticide
3. Propagated planting materials	c. Fertilizer
4. Designed to do the farm activities easily	d. Labor
5. Applied to plantation site to dissolve minerals needed by plant crops	e. Equipment
6. Planting materials cut from good variety.	f. Seedlings
7. Land preparation	g. Irrigation
8. Direct or indirectly sown to farm.	h. Cuttings
9. Enhance crop growth	i. Harrowing
10. Care and maintain crops	j. Weeding

#### II. Name the picture

Direction: There are farm activities necessary to consider in inventory and farm planning. Name the activities shown on the picture below.

1. _____ 	2. _____ 	3. _____ 	4. _____ 	5. _____ 
---	---	---	--	---



## What's In

One competency that the student must know in the field of Agriculture is Perform Record-Keeping. This covers the knowledge, skills and attitude required to carry-out inventory activities, maintain production record and prepare financial records.

Mark (X) or (√) if you have already learned. Put your answer on your answer sheet for teachers' references.



Topic	Learning Outcomes	Mark (X) (✓)	
1. Carry out inventory activities	1.1 Inventory inputs are determined according enterprise requirements.		
	1.2 Defective tools and equipment are determined according to operation manuals		
	1.3 Facilities are inspected according to according standard codes and laws.		
2. Maintain production record	2.1 Production plan are prepared according to enterprise requirements.		
	2.2 Schedule for production activities are prepared based from enterprise requirements and plan.		
	2.3 Production report are prepared in accordance with enterprise reporting procedures		
	2.4 Input and production are monitored using monitoring chart.		
3. Prepare financial records	3.1. Production cost are computed using established computation procedures.		
	3.2. Revenue is computed using established computation procedures.		



## What's New

**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. Why is it important that farm inputs consider in carrying out farm inventory?
2. Farm expenses listed and properly recorded. Why?



## What Is It

The term Farm inputs as it applies to the area of agriculture can be defined as the resources that are used in farm production, such as chemicals, equipment, feed, seed, and other planting materials.

### Planting Materials

Seeds



seedlings



tissue culture



cuttings



Root cuttings



Inputs are also things put into the production process such as land, labor, implements, seed, mechanization (tractors) fertilizer, pesticides. Outputs are the things that are produced like harvested crops, milk, meat, eggs.

Fertilizer



Concoctions



Mulching



Irrigation



Beneficial Organisms



Pesticides



Farm equipment



Other farm activities





## ***What's More***

Direction: Answers to the requirement of the statement below. Put your answer on a separate sheet of paper.

Give at least (3) examples of farm inputs

1.

2.

3.

Enumerate (7) farm activities that requires labor force

1.

2.

3.

4.

5.

6.

7.



## ***What I Have Learned***

Direction: Complete the following statements sincerely. Put your answer on your answer sheet.

Topic: \_\_\_\_\_

I need to study more on:

\_\_\_\_\_  
\_\_\_\_\_.

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: Cut a picture of a farm, study the picture and paste it in a clean sheet of paper following the format given. List all the farm inputs and activities that is seen on the picture. You will be given points according to the rubric below.

#### Rubrics

10	9	8	7	6	5	4	3	2	1
All indicators are listed	1 missing indicator	2 missing indicators	3 missing indicators	4 missing indicators	5 missing indicators	6 missing indicators	7 missing indicators	8 missing indicators	9 missing indicators

Paste picture below	Farm Inputs
	Farm activities



## Post-Assessment

Direction: Read the statement carefully and choose a letter that mostly related to the description. Put your answer on a separate sheet of paper.

1. Propagated planting materials  
A. Equipment    B. Seedlings    C. Irrigation    D. Cuttings
2. Direct or indirectly sown to farm.  
A. Seeds    B. Insecticide    C. Fertilizer    D. Labor
3. Applied to plantation site to dissolve minerals needed by plant crops  
A. Equipment    B. Seedlings    C. Irrigation    D. Cuttings
4. Use to mitigate insect attack  
A. Seeds    B. Insecticide    C. Fertilizer    D. Labor
5. Land preparation  
A. Harrowing    B. Weeding    C. Irrigation    D. Cuttings
6. Expense for farm activities  
A. Seeds    B. Insecticide    C. Fertilizer    D. Labor
7. Enhance crop growth  
A. Seeds    B. Insecticide    C. Fertilizer    D. Labor
8. Planting materials cut from good variety.  
A. Harrowing    B. Weeding    C. Irrigation    D. Cuttings
9. Designed to do the farm activities easily  
A. Equipment    B. Seedlings    C. Irrigation    D. Cuttings
10. Care and maintain crops  
A. Harrowing    B. Weeding    C. Irrigation    D. Cuttings

Name the activities shown on the picture

1. \_\_\_\_\_



2. \_\_\_\_\_



3. \_\_\_\_\_



4. \_\_\_\_\_



5. \_\_\_\_\_





## Additional Activity

### Direction:

Considering inputs and activities taken in farm are important in farm planning for us to have idea on the possible expenses.

From your previous activity (What I can do), complete the table below. Put your answer on a separate sheet of paper.

**Farm Plan**  
(Month: \_\_\_\_\_ to \_\_\_\_\_, 2020)

<b>Farm inputs</b>				
Quantity	Unit	Item/description	Unit price	Total price

<b>Labor requirements</b>			
Activities	No. of days taken	No. of workers needed	Total expenses in P350/day

<b>Total expenses of farm Input +labor requirements</b>			
---	--	--	--

### Rubrics

Criteria	4	3	2	1
Content	All identified details/activities are relevant to the identified area/section.	4 identified details/activities are relevant to the identified area/section.	3 identified details/activities are relevant to the identified area/section.	2 identified details/activities are relevant to the identified area/section.
Completeness of details	All requirement of the tables are filled in properly.	1 to 2 requirements of the tables are not filled in properly.	3 to 4 requirements of the tables are not filled in properly.	5 to 6 requirements of the tables are not filled in properly.
Facilitator's Remarks:				





# **Answer Key**

## **What I Can Do-use rubrics** **Additional Activity- use rubric**

1. harrowing
  2. clearing
  3. weeding
  4. transplanting
  5. fencing
  6. harvesting
  7. plowing etc.
- Enumerate (7) farm activities that requires labor force
1. planting material- seeds, rootstocks, cutting etc.
  2. irrigation/watering
  3. Pesticides/concoctions
- (In any order)  
 Give at least (3) examples of farm inputs

## **What's In-Teachers Guide only** **What's New-use rubrics** **What's More**

- |  |   |
|--|---|
| <p><b>What I Know: Pretest</b></p> <ol style="list-style-type: none"> <li>1. B</li> <li>2. D</li> <li>3. F</li> <li>4. E</li> <li>5. G</li> <li>6. H</li> <li>7. I</li> <li>8. A</li> <li>9. C</li> <li>10. J</li> </ol> | <p><b>Post-Assessment</b></p> <ol style="list-style-type: none"> <li>1. B</li> <li>2. A</li> <li>3. C</li> <li>4. B</li> <li>5. A</li> <li>6. D</li> <li>7. C</li> <li>8. D</li> <li>9. A</li> <li>10. B</li> </ol> |
|--|---|

## ***References***

Technical Education and Skills Development Authority, 2013. East Service Rd, South Super Highway, Taguig City. Training Regulations-Agricultural Crop Production NC II

Department of Education. K to 12 Basic Education Curriculum Technology and Livelihood Education Learning Module Grade 7-8.



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