

Qualification Pack



Plantation Worker

Options: Oilpalm/ Palmyrah/ Areca nut and Betelvine/ Cocoa/ Cashew Nut

QP Code: AGR/Q0509

Version: 1.0

NSQF Level: 3

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AGR/Q0509: Plantation Worker

Brief Job Description

A Plantation worker works in plantations and carries out routine tasks such as preparing the land for planting plants/trees, applying fertilizers, maintenance of the crop, harvesting and post-harvest activities. The individual is employed by a plantation owner or a contractor, and works under supervision.

Personal Attributes

The individual should be willing to work in the field and carry out multiple tasks in order to ensure productivity and safety of the plantation. Punctuality, friendly behaviour, patience, good interpersonal relationship building, trustworthiness, integrity, and critical thinking are important attributes required for this job.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [AGR/N0545: Perform land preparation activities in plantation](#)
2. [AGR/N0546: Perform maintenance of plants and trees in plantation](#)
3. [AGR/N0547: Carry out harvesting and post-harvesting tasks in plantations](#)
4. [AGR/N9903: Maintain health and safety at the workplace](#)
5. [DGT/VSQ/N0101: Employability Skills \(30 Hours\)](#)

Options(Not mandatory):

Option 1: Oilpalm

This unit is about growing oilpalm in a plantation.

1. [AGR/N0548: Grow oilpalm in a Plantation](#)

Option 2: Palmyrah

This unit is about growing palmyrah in a plantation

1. [AGR/N0549: Grow palmyrah in a Plantation](#)

Option 3: Areca nut and Betelvine

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This unit is about growing arecanut and betelvine in a plantation

1. [AGR/N0550: Grow arecanut and betelvine in a plantation](#)

Option 4: Cocoa

This unit is about growing cocoa in a plantation

1. [AGR/N0551: Grow cocoa in a Plantation](#)

Option 5: Cashew Nut

This unit is about growing cashew nut in a plantation

1. [AGR/N0552: Grow cashew nut in a plantation](#)

Qualification Pack (QP) Parameters

Sector	Agriculture
Sub-Sector	Agriculture Crop Production
Occupation	Plantation Crops Cultivation
Country	India
NSQF Level	3
Credits	14
Aligned to NCO/ISCO/ISIC Code	NCO-2015/6111.0800
Minimum Educational Qualification & Experience	10th grade pass (or equivalent) OR 8th grade pass with 3 Years of experience relevant experience in Agriculture and allied sectors OR 5th grade pass with 6 Years of experience relevant experience in Agriculture and allied sectors OR Previous relevant Qualification of NSQF Level (2) with 3 Years of experience relevant experience in Agriculture and allied sectors OR Previous relevant Qualification of NSQF Level (2.5) with 1.5 years of experience relevant experience in Agriculture and allied sectors

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Minimum Level of Education for Training in School	8th Class
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	NA
Next Review Date	22/10/2027
NSQC Approval Date	22/10/2024
Version	1.0
Reference code on NQR	QG-03-AG-03273-2024-V1-ASCI
NQR Version	1

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AGR/N0545: Perform land preparation activities in plantation

Description

This OS unit is about carrying out land preparation activities in orchards and plantations as per instructions.

Scope

The scope covers the following :

- Prepare the field for planting

Elements and Performance Criteria

Prepare the field for planting

To be competent, the user/individual on the job must be able to:

- PC1.** determine the land preparation requirements, including the scope of work, methods, and timescales
- PC2.** organize the appropriate tools, implements, equipment and protective equipment for the land preparation activities
- PC3.** remove any unwanted vegetation, trees, rocks, or debris from the land, through ploughing, discing, etc.
- PC4.** apply appropriate amendments to the soil, e.g. organic matter, lime, and fertilizers to improve soil fertility and structure
- PC5.** mark lines and curves on the land using the appropriate tools and materials
- PC6.** assist in installing an appropriate irrigation system for consistent and efficient water supply
- PC7.** prepare planting holes for trees with the recommended dimensions and spacing for the selected fruit varieties
- PC8.** ensure the planting holes can accommodate the root system of trees
- PC9.** plant the trees at the appropriate depth, ensuring the root collar is at the soil surface
- PC10.** prepare compost and mulch using appropriate materials, such as food waste, grass, etc.
- PC11.** create drains in the plantation to facilitate the drainage of excess water

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the appropriate land preparation activities for plantations
- KU2.** use and maintenance of appropriate tools, implements and equipment used in land preparation activities, e.g. bamboo canes, sand, pegs, spade, V drill, hose pipe, rope, etc.
- KU3.** the safety measures to be taken while using the tools, implements and equipment, including the use of appropriate PPE
- KU4.** different activities carried out for land preparation, such as clearing of land, ploughing, harrowing, levelling, etc.

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- KU5.** the importance of removing weeds, other unwanted vegetation, rocks and debris
- KU6.** the purpose and methods to carry out deep ploughing to remove big roots
- KU7.** the importance of thoroughly ploughing, levelling and applying manure
- KU8.** different types of levelling implement and their uses
- KU9.** the appropriate pit depth and dimensions for planting different types of fruit plants and trees
- KU10.** the method of preparing compost
- KU11.** the common materials used to prepare mulch, e.g. straw, wood chips, tree bark, etc.
- KU12.** the importance and methods of constructing appropriate drainage on the land site
- KU13.** the methods, tools and materials for marking lines, curves and shapes on the field

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work-related notes and records
- GS2.** read the relevant literature to learn about the latest developments in the field of work
- GS3.** listen attentively to understand the information/ instructions being shared by the speaker
- GS4.** communicate clearly and politely with co-workers and clients
- GS5.** coordinate with co-workers to achieve work objectives
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/ accidents
- GS9.** evaluate all possible solutions to a problem to select the best one

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Prepare the field for planting</i>	30	40	-	30
PC1. determine the land preparation requirements, including the scope of work, methods, and timescales	-	-	-	-
PC2. organize the appropriate tools, implements, equipment and protective equipment for the land preparation activities	-	-	-	-
PC3. remove any unwanted vegetation, trees, rocks, or debris from the land, through ploughing, discing, etc.	-	-	-	-
PC4. apply appropriate amendments to the soil, e.g. organic matter, lime, and fertilizers to improve soil fertility and structure	-	-	-	-
PC5. mark lines and curves on the land using the appropriate tools and materials	-	-	-	-
PC6. assist in installing an appropriate irrigation system for consistent and efficient water supply	-	-	-	-
PC7. prepare planting holes for trees with the recommended dimensions and spacing for the selected fruit varieties	-	-	-	-
PC8. ensure the planting holes can accommodate the root system of trees	-	-	-	-
PC9. plant the trees at the appropriate depth, ensuring the root collar is at the soil surface	-	-	-	-
PC10. prepare compost and mulch using appropriate materials, such as food waste, grass, etc.	-	-	-	-
PC11. create drains in the plantation to facilitate the drainage of excess water	-	-	-	-
NOS Total	30	40	-	30

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National Occupational Standards (NOS) Parameters

NOS Code	AGR/N0545
NOS Name	Perform land preparation activities in plantation
Sector	Agriculture
Sub-Sector	
Occupation	Plantation Crops Cultivation
NSQF Level	3
Credits	2
Version	1.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

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AGR/N0546: Perform maintenance of plants and trees in plantation

Description

This unit is about carrying out maintenance and care for plants and trees at the plantation.

Scope

The scope covers the following :

- Carry out basic trimming and pruning activities
- Train the trees and plants
- Apply pesticides, herbicides and fertilizers
- Carry out irrigation activities

Elements and Performance Criteria

Carry out basic trimming and pruning activities

To be competent, the user/individual on the job must be able to:

- PC1.** identify the need for pruning and trimming plantation plants, vines and trees
- PC2.** select the appropriate branches for pruning, such as suckers, water sprouts, etc.
- PC3.** identify and remove dead, diseased, and damaged branches
- PC4.** select and safely use the appropriate tools and equipment, e.g. pruning shears, loppers, etc.
- PC5.** carry out thinning to remove crossing branches to improve air circulation and light penetration
- PC6.** remove laterals, crossing branches, excess spurs, and epicormic growth from free-standing fruit trees
- PC7.** follow the appropriate pruning and trimming methods to prune and trim plants, vines and trees
- PC8.** sterilize the pruning and trimming tools and equipment to prevent the spread of diseases in plants and trees
- PC9.** carry out pruning during the dormant season to minimize stress on plants
- PC10.** ensure there is no over-pruning to avoid the risk of stress on plants and trees
- PC11.** assess the overall shape of the plants and trees after pruning to ensure a balanced look
- PC12.** collect and dispose of pruned material appropriately, as per the supervisor's instructions
- PC13.** apply appropriate fertilizers to pruned plants and trees to encourage new growth
- PC14.** irrigate the plants and trees appropriately after extensive pruning
- PC15.** carry out basic maintenance of the tools and equipment after use

Train the trees and plants

To be competent, the user/individual on the job must be able to:

- PC16.** install support, such as stakes, for young trees and plants to prevent leaning or breakage
- PC17.** use soft ties to attach trees and plants to the stake to avoid damage
- PC18.** establish the desired tree form, e.g. central leader, open centre, etc.

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PC19. remove competing leaders and weak, poorly positioned branches

Apply pesticides, herbicides and fertilizers

To be competent, the user/individual on the job must be able to:

PC20. check the plants and trees to identify the symptoms of pests, diseases and disorders

PC21. install traps and appropriate monitoring devices to detect pests

PC22. prune the plants and trees to improve air circulation and sunlight penetration

PC23. follow appropriate cultural, biological, mechanical and chemical control methods to control the identified pests, diseases and disorders

PC24. use the appropriate PPE while preparing and applying pesticides, fungicides and other chemical treatment

PC25. use chemical treatment in the recommended quantity to avoid any adverse impact on plants, trees, crops and the environment

PC26. use the appropriate plant protection equipment, such as sprayers, dusters and foggers safely

PC27. apply organic mulch to suppress weed growth, conserve soil moisture, and regulate soil temperature

PC28. identify and remove different types of weeds using the appropriate tools and implements

PC29. use appropriate herbicides selectively and according to label instructions to control weeds

PC30. remove and destroy any infected or infested plant material

PC31. assist the supervisor in maintaining appropriate records, e.g. pest and disease occurrences

PC32. apply the appropriate organic and inorganic fertilizers, following the appropriate application methods

PC33. adjust the application of fertilizers according to the nutrient requirements of different fruit crops at different stages of growth

PC34. clean and store the tools and implements in the designated storage after use

PC35. carry out regular maintenance of the tools, implements and equipment

Carry out irrigation activities

To be competent, the user/individual on the job must be able to:

PC36. determine the water requirements of different fruit plants, trees and vines at different stages of their growth

PC37. carry out irrigation in the plantation following the applicable irrigation schedule

PC38. follow the appropriate measures to avoid over or under irrigation in the under-irrigation/plantation

PC39. monitor the soil moisture and make appropriate adjustments in the irrigation activities

PC40. drain out excess water from the plantation to prevent water stagnation

PC41. carry out regular weeding to prevent competition for water among weeds, and plants, trees and vines

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the need for pruning, training and trimming plants, vines and trees

KU2. the appropriate methods of pruning, training, trimming and applying chemical spray

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- KU3.** the symptoms of pest and disease infestation in fruit trees, plants and vines
- KU4.** the reasons for spur pruning
- KU5.** the purpose of continued development or replacement pruning
- KU6.** the use of appropriate tools and implements for training and pruning activities, e.g. secateurs, brush cutter, loppers, pruning saw, twine, plastic tie, etc.
- KU7.** different types of unwanted growth on fruit trees, e.g. weak and crossing branches, excess growth on leaders and laterals, epicormic growth, etc.
- KU8.** the importance of pruning free-standing fruit trees
- KU9.** the reason for continuing development of the framework of an established free-standing fruit tree
- KU10.** the purpose of regular winter pruning of free-standing fruit trees
- KU11.** different methods to train trees and plants
- KU12.** the appropriate personal health and safety measures to be taken at plantations for different tasks
- KU13.** different chemicals used to protect fruit crops, including pesticides, herbicides, and fungicides
- KU14.** the process of preparing and applying pesticides, herbicides, and fungicides
- KU15.** the risks in the preparation and application of pesticides, herbicides, and fungicides, and the appropriate precautions to be taken
- KU16.** the use of appropriate plant protection equipment for applying pesticides, herbicides, and fungicides
- KU17.** the composition and use of different organic and inorganic fertilizers
- KU18.** the application of different cultural, biological, mechanical and chemical methods to control pest and disease infestation under the Integrated Pest and Disease Management (IPDM) approach
- KU19.** different types of weeds found in orchards/plantations in different climates and locations, and the appropriate
- KU20.** chemical, biological and mechanical weed control measures
- KU21.** the importance of using pesticides, herbicides, fungicides, and inorganic fertilizers judiciously in the recommended dose
- KU22.** the basics of regulations applicable to the use of pesticides, herbicides, fungicides, and inorganic fertilizers
- KU23.** different methods of applying fertilizers and the factors that help determine time and dose of fertilizer application
- KU24.** the purpose, preparation, application, advantages and disadvantages of farm yard and green manure
- KU25.** the importance of maintaining records concerning the use of pesticides, herbicides, fungicides, and inorganic fertilizers
- KU26.** the water requirements of different fruit trees, plant and vines at different stages of their growth
- KU27.** the irrigation systems appropriate to be adopted in orchards/plantations and how to set them up
- KU28.** the benefits and operations of automated irrigation systems

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- KU29.** the appropriate measures to be taken to avoid wastage of water and over-irrigation, e.g. adjusting the irrigation schedules, and quantity of water application based on crop growth stages and climate

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work-related notes and records
- GS2.** read the relevant literature to learn about the latest developments in the field of work
- GS3.** listen attentively to understand the information/ instructions being shared by the speaker
- GS4.** communicate clearly and politely with co-workers and clients
- GS5.** coordinate with co-workers to achieve work objectives
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/ accidents
- GS9.** evaluate all possible solutions to a problem to select the best one

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out basic trimming and pruning activities</i>	13	15	-	13
PC1. identify the need for pruning and trimming planation plants, vines and trees	-	-	-	-
PC2. select the appropriate branches for pruning, such as suckers, water sprouts, etc.	-	-	-	-
PC3. identify and remove dead, diseased, and damaged branches	-	-	-	-
PC4. select and safely use the appropriate tools and equipment, e.g. pruning shears, loppers, etc.	-	-	-	-
PC5. carry out thinning to remove crossing branches to improve air circulation and light penetration	-	-	-	-
PC6. remove laterals, crossing branches, excess spurs, and epicormic growth from free-standing fruit trees	-	-	-	-
PC7. follow the appropriate pruning and trimming methods to prune and trim plants, vines and trees	-	-	-	-
PC8. sterilize the pruning and trimming tools and equipment to prevent the spread of diseases in plants and trees	-	-	-	-
PC9. carry out pruning during the dormant season to minimize stress on plants	-	-	-	-
PC10. ensure there is no over-pruning to avoid the risk of stress on plants and trees	-	-	-	-
PC11. assess the overall shape of the plants and trees after pruning to ensure a balanced look	-	-	-	-
PC12. collect and dispose of pruned material appropriately, as per the supervisor's instructions	-	-	-	-
PC13. apply appropriate fertilizers to pruned plants and trees to encourage new growth	-	-	-	-
PC14. irrigate the plants and trees appropriately after extensive pruning	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC15. carry out basic maintenance of the tools and equipment after use	-	-	-	-
<i>Train the trees and plants</i>	3	4	-	3
PC16. install support, such as stakes, for young trees and plants to prevent leaning or breakage	-	-	-	-
PC17. use soft ties to attach trees and plants to the stake to avoid damage	-	-	-	-
PC18. establish the desired tree form, e.g. central leader, open centre, etc.	-	-	-	-
PC19. remove competing leaders and weak, poorly positioned branches	-	-	-	-
<i>Apply pesticides, herbicides and fertilizers</i>	10	15	-	10
PC20. check the plants and trees to identify the symptoms of pests, diseases and disorders	-	-	-	-
PC21. install traps and appropriate monitoring devices to detect pests	-	-	-	-
PC22. prune the plants and trees to improve air circulation and sunlight penetration	-	-	-	-
PC23. follow appropriate cultural, biological, mechanical and chemical control methods to control the identified pests, diseases and disorders	-	-	-	-
PC24. use the appropriate PPE while preparing and applying pesticides, fungicides and other chemical treatment	-	-	-	-
PC25. use chemical treatment in the recommended quantity to avoid any adverse impact on plants, trees, crops and the environment	-	-	-	-
PC26. use the appropriate plant protection equipment, such as sprayers, dusters and foggers safely	-	-	-	-
PC27. apply organic mulch to suppress weed growth, conserve soil moisture, and regulate soil temperature	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC28. identify and remove different types of weeds using the appropriate tools and implements	-	-	-	-
PC29. use appropriate herbicides selectively and according to label instructions to control weeds	-	-	-	-
PC30. remove and destroy any infected or infested plant material	-	-	-	-
PC31. assist the supervisor in maintaining appropriate records, e.g. pest and disease occurrences	-	-	-	-
PC32. apply the appropriate organic and inorganic fertilizers, following the appropriate application methods	-	-	-	-
PC33. adjust the application of fertilizers according to the nutrient requirements of different fruit crops at different stages of growth	-	-	-	-
PC34. clean and store the tools and implements in the designated storage after use	-	-	-	-
PC35. carry out regular maintenance of the tools, implements and equipment	-	-	-	-
<i>Carry out irrigation activities</i>	4	6	-	4
PC36. determine the water requirements of different fruit plants, trees and vines at different stages of their growth	-	-	-	-
PC37. carry out irrigation in the plantation following the applicable irrigation schedule	-	-	-	-
PC38. follow the appropriate measures to avoid over or under irrigation in the under-irrigation/plantation	-	-	-	-
PC39. monitor the soil moisture and make appropriate adjustments in the irrigation activities	-	-	-	-
PC40. drain out excess water from the plantation to prevent water stagnation	-	-	-	-
PC41. carry out regular weeding to prevent competition for water among weeds, and plants, trees and vines	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
NOS Total	30	40	-	30

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National Occupational Standards (NOS) Parameters

NOS Code	AGR/N0546
NOS Name	Perform maintenance of plants and trees in plantation
Sector	Agriculture
Sub-Sector	
Occupation	Plantation Crops Cultivation
NSQF Level	3
Credits	2
Version	1.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

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AGR/N0547: Carry out harvesting and post-harvesting tasks in plantations

Description

This unit is about carrying out harvesting and post-harvest tasks in plantations.

Scope

The scope covers the following :

- Carry out harvesting activities
- Carry out post-harvest activities

Elements and Performance Criteria

Carry out harvesting activities

To be competent, the user/individual on the job must be able to:

- PC1.** assist in determining the maturity of fruit/plantation crops by identifying their maturity indicators
- PC2.** determine the harvesting requirements, including the area and crop to be harvested
- PC3.** check the availability of picking kit with appropriate harvesting tools and implements
- PC4.** prepare the harvesting tools and implements for use by cleaning and sharpening them
- PC5.** carry out harvesting activities as planned, taking appropriate health and safety measures
- PC6.** follow the appropriate harvesting methods according to the crop being harvested
- PC7.** collect the harvested crop safely in appropriate containers, bags, and crates

Carry out post-harvest activities

To be competent, the user/individual on the job must be able to:

- PC8.** check the harvested produce for physical injuries and biological infestation
- PC9.** segregate the non-marketable produce
- PC10.** weigh the harvested produce using the weighing machine
- PC11.** sort and grade the harvested fruits based on applicable parameters
- PC12.** pack the produce in the appropriate packing material according to the type of produce
- PC13.** prepare the storage area for storing the produce by applying the appropriate treatment
- PC14.** store and arrange the produce appropriately to facilitate its convenient retrieval
- PC15.** check the stored produce regularly and report any issues to the supervisor
- PC16.** check and maintain the appropriate temperature and humidity in the storage area
- PC17.** recycle or dispose of the non-marketable produce in an environment-friendly manner
- PC18.** perform safe loading, stacking, and unloading of produce bags/crates for transportation
- PC19.** assist in maintaining appropriate records concerning the harvesting and post-harvest activities

Knowledge and Understanding (KU)

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The individual on the job needs to know and understand:

- KU1.** the importance of planning harvesting activities
- KU2.** the use and maintenance of harvesting tools and picking kit
- KU3.** the appropriate health and safety measures to be taken during the harvesting of fruits/ plantation crops
- KU4.** the maturity indicators of different types of fruits and the appropriate harvesting methods
- KU5.** the sorting and segregation techniques and criteria applicable to harvested fruits
- KU6.** the methods and appropriate precautions to be taken while weighing the harvested produce
- KU7.** the symptoms of biological infestation in harvested fruits, relevant risks and appropriate precautions to be taken
- KU8.** the types and impact of various injuries on harvested fruits and the appropriate processing
- KU9.** the use of appropriate packing material for different types of fruits, such as plastic or jute bags, crates, corrugated fiberboard, etc.
- KU10.** how to determine the capacity of packaging material
- KU11.** the appropriate packing methods and processes
- KU12.** the precautions to be taken while stacking packed baskets/bags/crates
- KU13.** the appropriate conditions required to store different types of fruits, including, temperature, humidity and ventilation
- KU14.** the appropriate records to be maintained concerning the harvesting and post-harvest processing of fruits
- KU15.** the appropriate methods of handling, loading and unloading different types of fruits and the appropriate precautions
- KU16.** the appropriate methods for processing produce that does not meet the applicable quality standards
- KU17.** the appropriate measures to be taken for the safe transportation of fruits, e.g. adhering to the loading capacity of transport vehicle

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work-related notes and records
- GS2.** read the relevant literature to learn about the latest developments in the field of work
- GS3.** listen attentively to understand the information/ instructions being shared by the speaker
- GS4.** communicate clearly and politely with co-workers and clients
- GS5.** coordinate with co-workers to achieve work objectives
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/ accidents
- GS9.** evaluate all possible solutions to a problem to select the best one

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out harvesting activities</i>	15	20	-	15
PC1. assist in determining the maturity of fruit/plantation crops by identifying their maturity indicators	-	-	-	-
PC2. determine the harvesting requirements, including the area and crop to be harvested	-	-	-	-
PC3. check the availability of picking kit with appropriate harvesting tools and implements	-	-	-	-
PC4. prepare the harvesting tools and implements for use by cleaning and sharpening them	-	-	-	-
PC5. carry out harvesting activities as planned, taking appropriate health and safety measures	-	-	-	-
PC6. follow the appropriate harvesting methods according to the crop being harvested	-	-	-	-
PC7. collect the harvested crop safely in appropriate containers, bags, and crates	-	-	-	-
<i>Carry out post-harvest activities</i>	13	22	-	15
PC8. check the harvested produce for physical injuries and biological infestation	-	-	-	-
PC9. segregate the non-marketable produce	-	-	-	-
PC10. weigh the harvested produce using the weighing machine	-	-	-	-
PC11. sort and grade the harvested fruits based on applicable parameters	-	-	-	-
PC12. pack the produce in the appropriate packing material according to the type of produce	-	-	-	-
PC13. prepare the storage area for storing the produce by applying the appropriate treatment	-	-	-	-
PC14. store and arrange the produce appropriately to facilitate its convenient retrieval	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC15. check the stored produce regularly and report any issues to the supervisor	-	-	-	-
PC16. check and maintain the appropriate temperature and humidity in the storage area	-	-	-	-
PC17. recycle or dispose of the non-marketable produce in an environment-friendly manner	-	-	-	-
PC18. perform safe loading, stacking, and unloading of produce bags/crates for transportation	-	-	-	-
PC19. assist in maintaining appropriate records concerning the harvesting and post-harvest activities	-	-	-	-
NOS Total	28	42	-	30

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National Occupational Standards (NOS) Parameters

NOS Code	AGR/N0547
NOS Name	Carry out harvesting and post-harvesting tasks in plantations
Sector	Agriculture
Sub-Sector	
Occupation	Plantation Crops Cultivation
NSQF Level	3
Credits	2
Version	1.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

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AGR/N9903: Maintain health and safety at the workplace

Description

This OS is about maintaining health and safety of self and other co-workers at the workplace

Scope

The scope covers the following :

- Maintain personal hygiene
- Maintain clean and safe workplace
- Administer appropriate emergency procedures

Elements and Performance Criteria

Maintain personal hygiene

To be competent, the user/individual on the job must be able to:

- PC1.** wash hands, legs and face with soap/alcohol based sanitizer at reasonable intervals
- PC2.** wash the worn clothes with soap and sun dry before use next time
- PC3.** ensure the face is covered with mask or three layers of cloth-piece
- PC4.** follow the workplace sanitization norms including distancing from sick people

Maintain clean and safe workplace

To be competent, the user/individual on the job must be able to:

- PC5.** carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor
- PC6.** wear appropriate Personal Protective Equipment (PPE) while performing work in accordance with the workplace policy
- PC7.** follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc to avoid hazards
- PC8.** assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices
- PC9.** sanitize equipment, tools and machinery before and after use
- PC10.** use equipment and materials safely and correctly and return the same to designated storage after use
- PC11.** dispose waste safely and correctly in the designated area
- PC12.** recognize risks to bystanders and take required action to reduce the risks
- PC13.** work in a manner which minimizes environmental damage, ensuring all procedures and instructions for controlling risks are followed
- PC14.** report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to reduce further danger
- PC15.** follow government / workplace advisories incase of outbreak of any disease/disaster

Administer appropriate emergency procedures

To be competent, the user/individual on the job must be able to:

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- PC16.** follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of emergency, as per the workplace requirements
- PC17.** use emergency equipment in accordance with manufacturer's specifications and workplace requirements
- PC18.** provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques
- PC19.** recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate
- PC20.** report details of first aid administered in accordance with workplace procedures

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant legislation, standards, policies, and procedures at work
- KU2.** relevant health and safety requirements applicable to the work environment
- KU3.** own job role and responsibilities and sources of information pertaining to work
- KU4.** who to approach for support in order to obtain work related information, clarifications and support
- KU5.** importance of following health, hygiene, safety and quality standards and the impact of not following the standards on consumers and the business
- KU6.** personal hygiene and fitness requirement
- KU7.** importance of sanitization of the workplace
- KU8.** types of Personal Protective Equipment (PPE) required at the workplace and their importance
- KU9.** the correct and safe way to use materials and equipment required for the work
- KU10.** the importance of good housekeeping at the workplace
- KU11.** safe waste disposal methods
- KU12.** methods for minimizing environmental damage during work
- KU13.** the risks to health and safety including contagious diseases and the measures to be taken to control those risks in the area of work
- KU14.** workplace procedures and requirements for the prevention and treatment of workplace injuries/illnesses.
- KU15.** basic emergency first aid procedure
- KU16.** local emergency services
- KU17.** why accidents, incidents and problems should be reported and the appropriate actions to be taken

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** record the data as per the requirement
- GS2.** report problems to the appropriate personnel in a timely manner

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- GS3.** read instruction manual for hand tool and equipments
- GS4.** communicate clearly and effectively with co-workers, and other stakeholders
- GS5.** comprehend information shared by senior people and experts
- GS6.** make decisions pertaining to personal hygiene and safety
- GS7.** schedule daily activities and draw up priorities
- GS8.** manage relationships with co-workers, manager and other stakeholders
- GS9.** assess situation and identify appropriate control measures

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintain personal hygiene</i>	10	5	-	10
PC1. wash hands, legs and face with soap/alcohol based sanitizer at reasonable intervals	-	-	-	-
PC2. wash the worn clothes with soap and sun dry before use next time	-	-	-	-
PC3. ensure the face is covered with mask or three layers of cloth-piece	-	-	-	-
PC4. follow the workplace sanitization norms including distancing from sick people	-	-	-	-
<i>Maintain clean and safe workplace</i>	15	15	-	15
PC5. carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor	-	-	-	-
PC6. wear appropriate Personal Protective Equipment (PPE) while performing work in accordance with the workplace policy	-	-	-	-
PC7. follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc to avoid hazards	-	-	-	-
PC8. assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices	-	-	-	-
PC9. sanitize equipment, tools and machinery before and after use	-	-	-	-
PC10. use equipment and materials safely and correctly and return the same to designated storage after use	-	-	-	-
PC11. dispose waste safely and correctly in the designated area	-	-	-	-
PC12. recognize risks to bystanders and take required action to reduce the risks	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. work in a manner which minimizes environmental damage, ensuring all procedures and instructions for controlling risks are followed	-	-	-	-
PC14. report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to reduce further danger	-	-	-	-
PC15. follow government / workplace advisories incase of outbreak of any disease/disaster	-	-	-	-
<i>Administer appropriate emergency procedures</i>	15	5	-	10
PC16. follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of emergency, as per the workplace requirements	-	-	-	-
PC17. use emergency equipment in accordance with manufacturer's specifications and workplace requirements	-	-	-	-
PC18. provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques	-	-	-	-
PC19. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate	-	-	-	-
PC20. report details of first aid administered in accordance with workplace procedures	-	-	-	-
NOS Total	40	25	-	35

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N9903
NOS Name	Maintain health and safety at the workplace
Sector	Agriculture
Sub-Sector	Generic
Occupation	Generic
NSQF Level	4
Credits	1
Version	4.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

Qualification Pack

DGT/VSQ/N0101: Employability Skills (30 Hours)

Description

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and apprenticeship, getting ready for jobs and career development.

Scope

The scope covers the following :

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for Apprenticeship & Jobs

Elements and Performance Criteria

Introduction to Employability Skills

To be competent, the user/individual on the job must be able to:

PC1. understand the significance of employability skills in meeting the job requirements

Constitutional values – Citizenship

To be competent, the user/individual on the job must be able to:

PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices

Becoming a Professional in the 21st Century

To be competent, the user/individual on the job must be able to:

PC3. explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.

Basic English Skills

To be competent, the user/individual on the job must be able to:

PC4. speak with others using some basic English phrases or sentences

Communication Skills

To be competent, the user/individual on the job must be able to:

PC5. follow good manners while communicating with others

PC6. work with others in a team

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Diversity & Inclusion

To be competent, the user/individual on the job must be able to:

PC7. communicate and behave appropriately with all genders and PwD

PC8. report any issues related to sexual harassment

Financial and Legal Literacy

To be competent, the user/individual on the job must be able to:

PC9. use various financial products and services safely and securely

PC10. calculate income, expenses, savings etc.

PC11. approach the concerned authorities for any exploitation as per legal rights and laws

Essential Digital Skills

To be competent, the user/individual on the job must be able to:

PC12. operate digital devices and use its features and applications securely and safely

PC13. use internet and social media platforms securely and safely

Entrepreneurship

To be competent, the user/individual on the job must be able to:

PC14. identify and assess opportunities for potential business

PC15. identify sources for arranging money and associated financial and legal challenges

Customer Service

To be competent, the user/individual on the job must be able to:

PC16. identify different types of customers

PC17. identify customer needs and address them appropriately

PC18. follow appropriate hygiene and grooming standards

Getting ready for apprenticeship & Jobs

To be competent, the user/individual on the job must be able to:

PC19. create a basic biodata

PC20. search for suitable jobs and apply

PC21. identify and register apprenticeship opportunities as per requirement

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. need for employability skills

KU2. various constitutional and personal values

KU3. different environmentally sustainable practices and their importance

KU4. Twenty first (21st) century skills and their importance

KU5. how to use basic spoken English language

KU6. Do and dont of effective communication

KU7. inclusivity and its importance

KU8. different types of disabilities and appropriate communication and behaviour towards PwD

KU9. different types of financial products and services

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- KU10.** how to compute income and expenses
- KU11.** importance of maintaining safety and security in financial transactions
- KU12.** different legal rights and laws
- KU13.** how to operate digital devices and applications safely and securely
- KU14.** ways to identify business opportunities
- KU15.** types of customers and their needs
- KU16.** how to apply for a job and prepare for an interview
- KU17.** apprenticeship scheme and the process of registering on apprenticeship portal

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** communicate effectively using appropriate language
- GS2.** behave politely and appropriately with all
- GS3.** perform basic calculations
- GS4.** solve problems effectively
- GS5.** be careful and attentive at work
- GS6.** use time effectively
- GS7.** maintain hygiene and sanitisation to avoid infection

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	1	1	-	-
PC1. understand the significance of employability skills in meeting the job requirements	-	-	-	-
<i>Constitutional values – Citizenship</i>	1	1	-	-
PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
PC3. explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-
PC4. speak with others using some basic English phrases or sentences	-	-	-	-
<i>Communication Skills</i>	1	1	-	-
PC5. follow good manners while communicating with others	-	-	-	-
PC6. work with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	1	-	-
PC7. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC8. report any issues related to sexual harassment	-	-	-	-
<i>Financial and Legal Literacy</i>	3	4	-	-
PC9. use various financial products and services safely and securely	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. calculate income, expenses, savings etc.	-	-	-	-
PC11. approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
<i>Essential Digital Skills</i>	4	6	-	-
PC12. operate digital devices and use its features and applications securely and safely	-	-	-	-
PC13. use internet and social media platforms securely and safely	-	-	-	-
<i>Entrepreneurship</i>	3	5	-	-
PC14. identify and assess opportunities for potential business	-	-	-	-
PC15. identify sources for arranging money and associated financial and legal challenges	-	-	-	-
<i>Customer Service</i>	2	2	-	-
PC16. identify different types of customers	-	-	-	-
PC17. identify customer needs and address them appropriately	-	-	-	-
PC18. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	1	3	-	-
PC19. create a basic biodata	-	-	-	-
PC20. search for suitable jobs and apply	-	-	-	-
PC21. identify and register apprenticeship opportunities as per requirement	-	-	-	-
NOS Total	20	30	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	DGT/VSQ/N0101
NOS Name	Employability Skills (30 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	2
Credits	1
Version	1.0
Last Reviewed Date	29/03/2023
Next Review Date	29/03/2026
NSQC Clearance Date	29/03/2023

Qualification Pack

AGR/N0548: Grow oilpalm in a Plantation

Description

This unit is about growing oilpalm in an orchard.

Scope

The scope covers the following :

- Plant the oilpalm seedlings
- Maintain the oilpalm trees
- Harvest the oilpalm fruit

Elements and Performance Criteria

Plant the oilpalm seedlings

To be competent, the user/individual on the job must be able to:

- PC1.** select a suitable site within the plantation with a tropical climate, high temperatures, and abundant rainfall
- PC2.** check the plantation has well-drained loamy soil with good fertility and drainage
- PC3.** prepare the field by removing weeds, rocks, and debris
- PC4.** incorporate organic matter into the soil to improve soil structure and fertility
- PC5.** select high-yielding and disease-resistant oilpalm varieties well-adapted to the local climate and soil conditions
- PC6.** prepare planting holes of recommended dimensions to accommodate the root system of seedlings
- PC7.** maintain the recommended spacing between the planting holes
- PC8.** plant oilpalm seedlings or pre-nursery germinated seeds at the beginning of the rainy season with high soil moisture levels

Maintain the oilpalm trees

To be competent, the user/individual on the job must be able to:

- PC9.** irrigate the oilpalm trees as per the recommended irrigation schedule
- PC10.** carry out supplemental irrigation during dry periods, to maintain adequate soil moisture
- PC11.** follow the appropriate measures to control weed infestation among oilpalm trees
- PC12.** apply the recommended organic/inorganic fertilizers to provide essential nutrients to oilpalm trees
- PC13.** adjust fertilizer application according to the growth stages of oilpalm trees
- PC14.** monitor the oil palm trees regularly for signs of pests and diseases
- PC15.** follow the Integrated Pest and Disease Management (IPDM) strategies to control pests and diseases
- PC16.** prune the oilpalm trees periodically to remove dead or diseased branches
- PC17.** train the oilpalm trees to develop a single straight trunk and open canopy

Harvest the oilpalm fruit

Qualification Pack

To be competent, the user/individual on the job must be able to:

- PC18.** identify the maturity indicators of oilpalm fruit
- PC19.** harvest oilpalm fruit using the appropriate tools
- PC20.** carry out post-harvest processing to extract palm oil

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the integration of plantation crops in mixed cropping system in orchards
- KU2.** the optimal planting seasons, and spacing for oilpalm trees
- KU3.** the climatic requirements of oilpalm trees
- KU4.** the shade requirements of oilpalm trees
- KU5.** the specific maintenance requirements of oilpalm trees
- KU6.** the appropriate pruning techniques for oilpalm trees
- KU7.** the soil types, soil fertility and pH requirements for oilpalm fruit production
- KU8.** the appropriate soil amendment requirements including application of appropriate fertilizers
- KU9.** the irrigation requirements of oilpalm trees
- KU10.** the appropriate management practices oilpalm trees
- KU11.** the preventive measures and control strategies for oilpalm tree pests and diseases
- KU12.** the maturity indicators of oilpalm fruit
- KU13.** the harvesting techniques appropriate for oilpalm fruit
- KU14.** the relevant handling practices, and post-harvest processing methods

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work-related notes and records
- GS2.** read the relevant literature to learn about the latest developments in the field of work
- GS3.** listen attentively to understand the information/ instructions being shared by the speaker
- GS4.** communicate clearly and politely with co-workers and clients
- GS5.** coordinate with co-workers to achieve work objectives
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/ accidents
- GS9.** evaluate all possible solutions to a problem to select the best one

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Plant the oilpalm seedlings</i>	12	16	-	12
PC1. select a suitable site within the plantation with a tropical climate, high temperatures, and abundant rainfall	-	-	-	-
PC2. check the plantation has well-drained loamy soil with good fertility and drainage	-	-	-	-
PC3. prepare the field by removing weeds, rocks, and debris	-	-	-	-
PC4. incorporate organic matter into the soil to improve soil structure and fertility	-	-	-	-
PC5. select high-yielding and disease-resistant oilpalm varieties well-adapted to the local climate and soil conditions	-	-	-	-
PC6. prepare planting holes of recommended dimensions to accommodate the root system of seedlings	-	-	-	-
PC7. maintain the recommended spacing between the planting holes	-	-	-	-
PC8. plant oilpalm seedlings or pre-nursery germinated seeds at the beginning of the rainy season with high soil moisture levels	-	-	-	-
<i>Maintain the oilpalm trees</i>	12	16	-	12
PC9. irrigate the oilpalm trees as per the recommended irrigation schedule	-	-	-	-
PC10. carry out supplemental irrigation during dry periods, to maintain adequate soil moisture	-	-	-	-
PC11. follow the appropriate measures to control weed infestation among oilpalm trees	-	-	-	-
PC12. apply the recommended organic/inorganic fertilizers to provide essential nutrients to oilpalm trees	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. adjust fertilizer application according to the growth stages of oilpalm trees	-	-	-	-
PC14. monitor the oil palm trees regularly for signs of pests and diseases	-	-	-	-
PC15. follow the Integrated Pest and Disease Management (IPDM) strategies to control pests and diseases	-	-	-	-
PC16. prune the oilpalm trees periodically to remove dead or diseased branches	-	-	-	-
PC17. train the oilpalm trees to develop a single straight trunk and open canopy	-	-	-	-
<i>Harvest the oilpalm fruit</i>	6	8	-	6
PC18. identify the maturity indicators of oilpalm fruit	-	-	-	-
PC19. harvest oilpalm fruit using the appropriate tools	-	-	-	-
PC20. carry out post-harvest processing to extract palm oil	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N0548
NOS Name	Grow oilpalm in a Plantation
Sector	Agriculture
Sub-Sector	
Occupation	Plantation Crops Cultivation
NSQF Level	3
Credits	1
Version	1.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

Qualification Pack

AGR/N0549: Grow palmyrah in a Plantation

Description

This unit is about growing palmyrah in a Plantation

Scope

The scope covers the following :

- Plant the palmyrah trees
- Maintain the palmyrah trees
- Harvest the palmyrah fruit

Elements and Performance Criteria

Plant the palmyrah trees

To be competent, the user/individual on the job must be able to:

- PC1.** select a suitable site within the orchard with a tropical or subtropical climate and moderate rainfall
- PC2.** check the orchard has well-drained sandy or loamy soil with good fertility
- PC3.** prepare the field by removing weeds, rocks, and debris
- PC4.** incorporate organic matter into the soil to improve soil structure and fertility
- PC5.** select high-yielding and disease-resistant palmyrah varieties well-adapted to the local climate and soil conditions
- PC6.** prepare planting holes of recommended dimensions to accommodate the root system of seedlings
- PC7.** maintain the recommended spacing between the planting holes
- PC8.** plant palmyrah seedlings or germinated seeds at the beginning of the rainy season at high soil moisture levels

Maintain the palmyrah trees

To be competent, the user/individual on the job must be able to:

- PC9.** apply the recommended organic/inorganic fertilizers to provide essential nutrients to palmyrah trees
- PC10.** adjust fertilizer application according to the growth stages of palmyrah trees
- PC11.** follow appropriate measures to control weed infestation among palmyrah trees
- PC12.** irrigate the palmyrah trees as per the recommended irrigation schedule
- PC13.** carry out supplemental irrigation during dry periods, to maintain adequate soil moisture
- PC14.** prune the palmyrah trees periodically to remove dead or diseased branches
- PC15.** train the palmyrah trees to develop a single straight trunk and well-shaped open canopy
- PC16.** monitor the palmyrah trees regularly for signs of pests and diseases
- PC17.** follow the Integrated Pest and Disease Management (IPDM) strategies to control pests and diseases

Harvest the palmyrah fruit

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To be competent, the user/individual on the job must be able to:

- PC18.** identify the maturity indicators of palmyrah fruit
- PC19.** harvest palmyrah fruit using the appropriate tools
- PC20.** store the harvested palmyrah fruits under appropriate

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the integration of plantation crops in mixed cropping system in orchards
- KU2.** the optimal planting seasons, and spacing for palmyrah trees
- KU3.** the soil types, soil fertility and pH requirements for palmyrah fruit production
- KU4.** the climatic requirements of palmyrah trees
- KU5.** the shade requirements of palmyrah trees
- KU6.** the specific maintenance requirements of palmyrah trees
- KU7.** the appropriate pruning techniques for palmyrah trees
- KU8.** the appropriate soil amendment requirements including application of appropriate fertilizers
- KU9.** the irrigation requirements of palmyrah trees
- KU10.** the appropriate management practices palmyrah trees
- KU11.** the preventive measures and control strategies for palmyrah tree pests and diseases
- KU12.** the maturity indicators of palmyrah fruit
- KU13.** the harvesting techniques appropriate for palmyrah fruit
- KU14.** the relevant handling practices, and post-harvest processing methods

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work-related notes and records
- GS2.** read the relevant literature to learn about the latest developments in the field of work
- GS3.** listen attentively to understand the information/ instructions being shared by the speaker
- GS4.** communicate clearly and politely with co-workers and clients
- GS5.** coordinate with co-workers to achieve work objectives
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/ accidents
- GS9.** evaluate all possible solutions to a problem to select the best one

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Plant the palmyrah trees</i>	12	16	-	12
PC1. select a suitable site within the orchard with a tropical or subtropical climate and moderate rainfall	-	-	-	-
PC2. check the orchard has well-drained sandy or loamy soil with good fertility	-	-	-	-
PC3. prepare the field by removing weeds, rocks, and debris	-	-	-	-
PC4. incorporate organic matter into the soil to improve soil structure and fertility	-	-	-	-
PC5. select high-yielding and disease-resistant palmyrah varieties well-adapted to the local climate and soil conditions	-	-	-	-
PC6. prepare planting holes of recommended dimensions to accommodate the root system of seedlings	-	-	-	-
PC7. maintain the recommended spacing between the planting holes	-	-	-	-
PC8. plant palmyrah seedlings or germinated seeds at the beginning of the rainy season at high soil moisture levels	-	-	-	-
<i>Maintain the palmyrah trees</i>	12	16	-	12
PC9. apply the recommended organic/inorganic fertilizers to provide essential nutrients to palmyrah trees	-	-	-	-
PC10. adjust fertilizer application according to the growth stages of palmyrah trees	-	-	-	-
PC11. follow appropriate measures to control weed infestation among palmyrah trees	-	-	-	-
PC12. irrigate the palmyrah trees as per the recommended irrigation schedule	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. carry out supplemental irrigation during dry periods, to maintain adequate soil moisture	-	-	-	-
PC14. prune the palmyrah trees periodically to remove dead or diseased branches	-	-	-	-
PC15. train the palmyrah trees to develop a single straight trunk and well-shaped open canopy	-	-	-	-
PC16. monitor the palmyrah trees regularly for signs of pests and diseases	-	-	-	-
PC17. follow the Integrated Pest and Disease Management (IPDM) strategies to control pests and diseases	-	-	-	-
<i>Harvest the palmyrah fruit</i>	6	8	-	6
PC18. identify the maturity indicators of palmyrah fruit	-	-	-	-
PC19. harvest palmyrah fruit using the appropriate tools	-	-	-	-
PC20. store the harvested palmyrah fruits under appropriate	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N0549
NOS Name	Grow palmyrah in a Plantation
Sector	Agriculture
Sub-Sector	
Occupation	Plantation Crops Cultivation
NSQF Level	3
Credits	1
Version	1.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

Qualification Pack

AGR/N0550: Grow arecanut and betelvine in a plantation

Description

This unit is about growing arecanut and betelvine in a Plantation

Scope

The scope covers the following :

- Plant the arecanut and betelvine crops
- Maintain the arecanut and betelvine crops
- Harvest the arecanut and betelvine crops
- Carry out post-harvest activities

Elements and Performance Criteria

Plant the arecanut and betelvine crops

To be competent, the user/individual on the job must be able to:

- PC1.** select a suitable location in the plantation with well-drained soil and adequate access to sunlight
- PC2.** collect soil samples from the plantation and label them with the required information
- PC3.** coordinate soil testing with a government-approved laboratory to ensure it is suitable for arecanut and betelvine cultivation
- PC4.** prepare the field by tilling and incorporating organic matter and other recommendations by the soil-testing laboratory
- PC5.** plant the arecanut suckers or seeds at the recommended spacing
- PC6.** install appropriate support for the growing arecanut palms
- PC7.** prepare betelvine cuttings by selecting healthy vines and cutting them into sections with at least two nodes
- PC8.** plant betelvine cuttings in well-prepared soil or on support structures such as trellises

Maintain the arecanut and betelvine crops

To be competent, the user/individual on the job must be able to:

- PC9.** irrigate the arecanut and betelvine vines as per the applicable irrigation schedule
- PC10.** identify and remove weeds growing among arecanut and betelvine crops
- PC11.** follow the appropriate preventive and remedial measures to protect arecanut and betelvine crops from pests and diseases
- PC12.** carry out pruning of arecanut and betelvine vines to promote their healthy growth

Harvest the arecanut and betelvine crops

To be competent, the user/individual on the job must be able to:

- PC13.** identify the maturity indicators of arecanut and betelvine crops
- PC14.** harvest arecanuts and betel leaves using the appropriate tools and equipment
- PC15.** follow the recommended measures to protect arecanuts and betel leaves from damage during harvesting and post-harvest handling

Qualification Pack

Carry out post-harvest activities

To be competent, the user/individual on the job must be able to:

- PC16.** clean and sort arecanuts and betel leaves as per the applicable parameters
- PC17.** pack arecanuts and betel leaves using the appropriate packing material
- PC18.** store arecanuts and betel leaves under the appropriate conditions
- PC19.** load and unload the produce as per the given instructions

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the integration of plantation crops in mixed cropping system in orchards
- KU2.** the optimal planting seasons, and spacing for arecanut and betelvines
- KU3.** the specific maintenance requirements of arecanut and betelvines
- KU4.** the appropriate pruning techniques for arecanut and betelvines
- KU5.** the soil types, soil fertility and pH requirements for arecanut and betelvines production
- KU6.** the appropriate soil amendment requirements including application of appropriate fertilizers
- KU7.** the irrigation requirements of arecanut and betelvines
- KU8.** the climatic requirements of arecanut and betelvines
- KU9.** the appropriate management practices arecanut and betelvines
- KU10.** the preventive measures and control strategies for arecanut and betelvines pests and diseases
- KU11.** the maturity indicators of arecanut and betelvines crops
- KU12.** the harvesting techniques appropriate for arecanut and betelvines crops
- KU13.** the relevant handling practices, and post-harvest processing methods

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work-related notes and records
- GS2.** read the relevant literature to learn about the latest developments in the field of work
- GS3.** listen attentively to understand the information/ instructions being shared by the speaker
- GS4.** communicate clearly and politely with co-workers and clients
- GS5.** coordinate with co-workers to achieve work objectives
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/ accidents
- GS9.** evaluate all possible solutions to a problem to select the best one

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Plant the arecanut and betelvine crops</i>	14	16	-	8
PC1. select a suitable location in the plantation with well-drained soil and adequate access to sunlight	-	-	-	-
PC2. collect soil samples from the plantation and label them with the required information	-	-	-	-
PC3. coordinate soil testing with a government-approved laboratory to ensure it is suitable for arecanut and betelvine cultivation	-	-	-	-
PC4. prepare the field by tilling and incorporating organic matter and other recommendations by the soil-testing laboratory	-	-	-	-
PC5. plant the arecanut suckers or seeds at the recommended spacing	-	-	-	-
PC6. install appropriate support for the growing arecanut palms	-	-	-	-
PC7. prepare betelvine cuttings by selecting healthy vines and cutting them into sections with at least two nodes	-	-	-	-
PC8. plant betelvine cuttings in well-prepared soil or on support structures such as trellises	-	-	-	-
<i>Maintain the arecanut and betelvine crops</i>	6	8	-	6
PC9. irrigate the arecanut and betelvine vines as per the applicable irrigation schedule	-	-	-	-
PC10. identify and remove weeds growing among arecanut and betelvine crops	-	-	-	-
PC11. follow the appropriate preventive and remedial measures to protect arecanut and betelvine crops from pests and diseases	-	-	-	-
PC12. carry out pruning of arecanut and betelvine vines to promote their healthy growth	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Harvest the arecanut and betelvine crops</i>	5	8	-	8
PC13. identify the maturity indicators of arecanut and betelvine crops	-	-	-	-
PC14. harvest arecanuts and betel leaves using the appropriate tools and equipment	-	-	-	-
PC15. follow the recommended measures to protect arecanuts and betel leaves from damage during harvesting and post-harvest handling	-	-	-	-
<i>Carry out post-harvest activities</i>	5	8	-	8
PC16. clean and sort arecanuts and betel leaves as per the applicable parameters	-	-	-	-
PC17. pack arecanuts and betel leaves using the appropriate packing material	-	-	-	-
PC18. store arecanuts and betel leaves under the appropriate conditions	-	-	-	-
PC19. load and unload the produce as per the given instructions	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N0550
NOS Name	Grow arecanut and betelvine in a plantation
Sector	Agriculture
Sub-Sector	
Occupation	Plantation Crops Cultivation
NSQF Level	3
Credits	1
Version	1.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

Qualification Pack

AGR/N0551: Grow cocoa in a Plantation

Description

This unit is about growing cocoa in an orchard.

Scope

The scope covers the following :

- Plant the cocoa seedlings
- Maintain the cocoa trees
- Carry out harvesting and post-harvest activities

Elements and Performance Criteria

Plant the cocoa seedlings

To be competent, the user/individual on the job must be able to:

- PC1.** select a suitable site within the plantation with a warm, humid climate and well-drained soil
- PC2.** prepare the field by clearing any weeds, rocks, and debris
- PC3.** incorporate organic matter into the soil to improve its fertility and structure
- PC4.** select cocoa varieties that are well-suited to the local climate and soil conditions
- PC5.** plan cocoa planting to utilize the shade of plantation trees to protect cocoa trees from sunlight
- PC6.** prepare planting holes of recommended dimensions to accommodate the root system of seedlings
- PC7.** maintain the recommended spacing between the planting holes
- PC8.** plant cocoa seedlings or grafted trees at the beginning of the rainy season

Maintain the cocoa trees

To be competent, the user/individual on the job must be able to:

- PC9.** ensure the protection of young cocoa trees from direct sunlight and extreme temperatures
- PC10.** apply the recommended organic/inorganic fertilizers to provide essential nutrients to cocoa trees
- PC11.** adjust fertilizer application according to the growth stages of cocoa trees
- PC12.** follow appropriate measures to control weed infestation among cocoa trees
- PC13.** carry out mulching around the base of the cocoa trees to conserve soil moisture
- PC14.** irrigate the cocoa trees as per the recommended irrigation schedule
- PC15.** carry out supplemental irrigation during dry periods, to maintain adequate soil moisture
- PC16.** monitor the cocoa trees regularly for signs of pests and diseases
- PC17.** follow the Integrated Pest and Disease Management (IPDM) strategies to control pests and diseases
- PC18.** prune the cocoa trees periodically to remove dead or diseased branches
- PC19.** train the cocoa trees to develop a single straight trunk and well-shaped open canopy

Qualification Pack

Carry out harvesting and post-harvest activities

To be competent, the user/individual on the job must be able to:

- PC20.** identify the maturity indicators of cocoa crop
- PC21.** harvest cocoa pods by hand-picking or using appropriate harvesting tools
- PC22.** ensure careful handling to avoid damage to cocoa pods and trees
- PC23.** process the cocoa beans through fermentation, drying, and roasting to develop the characteristic cocoa flavor

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the integration of plantation crops in mixed cropping system in orchards
- KU2.** the optimal climatic requirement and appropriate planting seasons for cocoa production
- KU3.** the appropriate spacing requirements for cocoa trees
- KU4.** the specific maintenance requirements of cocoa trees, including shade management
- KU5.** the appropriate pruning techniques for cocoa trees
- KU6.** the soil types, soil fertility and pH requirements for cocoa production
- KU7.** the appropriate soil amendment requirements including application of appropriate fertilizers
- KU8.** the irrigation requirements of cocoa trees at different stages of their growth
- KU9.** the preventive measures and control strategies for cocoa pests and diseases
- KU10.** the maturity indicators of cocoa crop
- KU11.** the appropriate harvesting tools, equipment and techniques for harvesting cocoa pods
- KU12.** the relevant handling practices, and post-harvest processing methods for cocoa

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work-related notes and records
- GS2.** read the relevant literature to learn about the latest developments in the field of work
- GS3.** listen attentively to understand the information/ instructions being shared by the speaker
- GS4.** communicate clearly and politely with co-workers and clients
- GS5.** coordinate with co-workers to achieve work objectives
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/ accidents
- GS9.** evaluate all possible solutions to a problem to select the best one

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Plant the cocoa seedlings</i>	10	14	-	10
PC1. select a suitable site within the plantation with a warm, humid climate and well-drained soil	-	-	-	-
PC2. prepare the field by clearing any weeds, rocks, and debris	-	-	-	-
PC3. incorporate organic matter into the soil to improve its fertility and structure	-	-	-	-
PC4. select cocoa varieties that are well-suited to the local climate and soil conditions	-	-	-	-
PC5. plan cocoa planting to utilize the shade of plantation trees to protect cocoa trees from sunlight	-	-	-	-
PC6. prepare planting holes of recommended dimensions to accommodate the root system of seedlings	-	-	-	-
PC7. maintain the recommended spacing between the planting holes	-	-	-	-
PC8. plant cocoa seedlings or grafted trees at the beginning of the rainy season	-	-	-	-
<i>Maintain the cocoa trees</i>	14	18	-	14
PC9. ensure the protection of young cocoa trees from direct sunlight and extreme temperatures	-	-	-	-
PC10. apply the recommended organic/inorganic fertilizers to provide essential nutrients to cocoa trees	-	-	-	-
PC11. adjust fertilizer application according to the growth stages of cocoa trees	-	-	-	-
PC12. follow appropriate measures to control weed infestation among cocoa trees	-	-	-	-
PC13. carry out mulching around the base of the cocoa trees to conserve soil moisture	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC14. irrigate the cocoa trees as per the recommended irrigation schedule	-	-	-	-
PC15. carry out supplemental irrigation during dry periods, to maintain adequate soil moisture	-	-	-	-
PC16. monitor the cocoa trees regularly for signs of pests and diseases	-	-	-	-
PC17. follow the Integrated Pest and Disease Management (IPDM) strategies to control pests and diseases	-	-	-	-
PC18. prune the cocoa trees periodically to remove dead or diseased branches	-	-	-	-
PC19. train the cocoa trees to develop a single straight trunk and well-shaped open canopy	-	-	-	-
<i>Carry out harvesting and post-harvest activities</i>	6	8	-	6
PC20. identify the maturity indicators of cocoa crop	-	-	-	-
PC21. harvest cocoa pods by hand-picking or using appropriate harvesting tools	-	-	-	-
PC22. ensure careful handling to avoid damage to cocoa pods and trees	-	-	-	-
PC23. process the cocoa beans through fermentation, drying, and roasting to develop the characteristic cocoa flavor	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N0551
NOS Name	Grow cocoa in a Plantation
Sector	Agriculture
Sub-Sector	
Occupation	Plantation Crops Cultivation
NSQF Level	3
Credits	1
Version	1.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

Qualification Pack

AGR/N0552: Grow cashew nut in a plantation

Description

This unit is about growing cashew nut in a Plantation

Scope

The scope covers the following :

- Plant the cashew nut seedlings
- Maintain the cashew nut trees
- Carry out harvesting and post-harvest activities

Elements and Performance Criteria

Plant the cashew nut seedlings

To be competent, the user/individual on the job must be able to:

- PC1.** select a suitable site within the plantation with a warm climate and good sunlight exposure
- PC2.** check the soil is loamy and well-drained
- PC3.** prepare the field by removing the land of weeds, rocks, and debris
- PC4.** check the soil pH and apply appropriate amendments to improve it, as required
- PC5.** incorporate organic matter into the soil to improve fertility and structure, if required
- PC6.** select high-yielding and disease-resistant cashew varieties that are well-adapted to the local climate and soil conditions
- PC7.** prepare planting holes of recommended dimensions to accommodate the root system of the seedlings
- PC8.** plant cashew seedlings or grafted trees at the beginning of the rainy season at high soil moisture levels

Maintain the cashew nut trees

To be competent, the user/individual on the job must be able to:

- PC9.** irrigate the cashew trees as per the applicable irrigation schedule
- PC10.** carry out supplemental irrigation during dry periods, to maintain the required soil moisture levels
- PC11.** apply the appropriate organic/inorganic fertilizers evenly around the base of cashew trees
- PC12.** adjust the application of fertilizers according to growth stages of cashew trees
- PC13.** follow the recommended measures to minimize weed infestation
- PC14.** identify and remove weeds using the appropriate tools
- PC15.** apply mulch around the base of cashes trees to suppress weed growth and conserve soil moisture
- PC16.** monitor the cashew trees regularly for signs of pests and diseases
- PC17.** follow the Integrated Pest and Disease Management (IPDM) strategies to control cashew tree pests and diseases

Qualification Pack

PC18. prune the cashew trees periodically to remove dead or diseased branches and promote a well-shaped canopy

PC19. train the cashew trees to develop a single straight trunk and open canopy

Carry out harvesting and post-harvest activities

To be competent, the user/individual on the job must be able to:

PC20. identify the maturity indicators of cashew nuts

PC21. harvest cashew nuts by hand-picking or using the appropriate tools

PC22. remove the cashew nuts from the apples and dry them in the sun or using mechanical dryers

PC23. remove the nuts shells and toxic shell oil

PC24. store the cashew kernels under the appropriate conditions

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the integration of plantation crops in mixed cropping system in plantations

KU2. the optimal climatic requirement and appropriate planting seasons for cashew production

KU3. the soil types, soil fertility and pH requirements for cashew production

KU4. the appropriate soil amendment requirements

KU5. the appropriate spacing requirements for cashew trees

KU6. the selection of appropriate cashew varieties for production based on site conditions

KU7. the appropriate pruning techniques for cashew trees

KU8. the irrigation requirements of cashew trees at different stages of their growth

KU9. the preventive measures and control strategies for cashew pests and diseases

KU10. the maturity indicators of cashew nuts

KU11. the appropriate harvesting tools, equipment and techniques for harvesting cashew nuts

KU12. the relevant handling practices, and post-harvest processing methods for cashew nuts

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. maintain work-related notes and records

GS2. read the relevant literature to learn about the latest developments in the field of work

GS3. listen attentively to understand the information/ instructions being shared by the speaker

GS4. communicate clearly and politely with co-workers and clients

GS5. coordinate with co-workers to achieve work objectives

GS6. plan and prioritize tasks to ensure timely completion

GS7. identify possible disruptions to work and take appropriate preventive measures

GS8. take quick decisions to deal with workplace emergencies/ accidents

GS9. evaluate all possible solutions to a problem to select the best one

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Plant the cashew nut seedlings</i>	12	14	-	12
PC1. select a suitable site within the plantation with a warm climate and good sunlight exposure	-	-	-	-
PC2. check the soil is loamy and well-drained	-	-	-	-
PC3. prepare the field by removing the land of weeds, rocks, and debris	-	-	-	-
PC4. check the soil pH and apply appropriate amendments to improve it, as required	-	-	-	-
PC5. incorporate organic matter into the soil to improve fertility and structure, if required	-	-	-	-
PC6. select high-yielding and disease-resistant cashew varieties that are well-adapted to the local climate and soil conditions	-	-	-	-
PC7. prepare planting holes of recommended dimensions to accommodate the root system of the seedlings	-	-	-	-
PC8. plant cashew seedlings or grafted trees at the beginning of the rainy season at high soil moisture levels	-	-	-	-
<i>Maintain the cashew nut trees</i>	12	18	-	12
PC9. irrigate the cashew trees as per the applicable irrigation schedule	-	-	-	-
PC10. carry out supplemental irrigation during dry periods, to maintain the required soil moisture levels	-	-	-	-
PC11. apply the appropriate organic/inorganic fertilizers evenly around the base of cashew trees	-	-	-	-
PC12. adjust the application of fertilizers according to growth stages of cashew trees	-	-	-	-
PC13. follow the recommended measures to minimize weed infestation	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC14. identify and remove weeds using the appropriate tools	-	-	-	-
PC15. apply mulch around the base of cashew trees to suppress weed growth and conserve soil moisture	-	-	-	-
PC16. monitor the cashew trees regularly for signs of pests and diseases	-	-	-	-
PC17. follow the Integrated Pest and Disease Management (IPDM) strategies to control cashew tree pests and diseases	-	-	-	-
PC18. prune the cashew trees periodically to remove dead or diseased branches and promote a well-shaped canopy	-	-	-	-
PC19. train the cashew trees to develop a single straight trunk and open canopy	-	-	-	-
<i>Carry out harvesting and post-harvest activities</i>	6	8	-	6
PC20. identify the maturity indicators of cashew nuts	-	-	-	-
PC21. harvest cashew nuts by hand-picking or using the appropriate tools	-	-	-	-
PC22. remove the cashew nuts from the apples and dry them in the sun or using mechanical dryers	-	-	-	-
PC23. remove the nuts shells and toxic shell oil	-	-	-	-
PC24. store the cashew kernels under the appropriate conditions	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N0552
NOS Name	Grow cashew nut in a plantation
Sector	Agriculture
Sub-Sector	
Occupation	Plantation Crops Cultivation
NSQF Level	3
Credits	1
Version	1.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Element/ Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each Element/ PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
6. To pass the Qualification Pack assessment, every trainee should score the Recommended Pass % aggregate for the QP.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Qualification Pack

Minimum Aggregate Passing % at QP Level : 50

(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AGR/N0545.Perform land preparation activities in plantation	30	40	-	30	100	25
AGR/N0546.Perform maintenance of plants and trees in plantation	30	40	-	30	100	35
AGR/N0547.Carry out harvesting and post-harvesting tasks in plantations	28	42	-	30	100	25
AGR/N9903.Maintain health and safety at the workplace	40	25	-	35	100	10
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	-	-	50	5
Total	148	177	-	125	450	100

Optional: 1 Oilpalm

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AGR/N0548.Grow oilpalm in a Plantation	30	40	-	30	100	20
Total	30	40	-	30	100	20

Optional: 2 Palmyrah

Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AGR/N0549.Grow palmyrah in a Plantation	30	40	-	30	100	20
Total	30	40	-	30	100	20

Optional: 3 Areca nut and Betelvine

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AGR/N0550.Grow arecanut and betelvine in a plantation	30	40	-	30	100	20
Total	30	40	-	30	100	20

Optional: 4 Cocoa

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AGR/N0551.Grow cocoa in a Plantation	30	40	-	30	100	20
Total	30	40	-	30	100	20

Optional: 5 Cashew Nut

Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AGR/N0552.Grow cashew nut in a plantation	30	40	-	30	100	20
Total	30	40	-	30	100	20

Qualification Pack

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
PPE	Personal Protective Equipment
PPE	Personal Protective Equipment

Qualification Pack

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.

Qualification Pack

Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.