## **Assessment Guide**

Unit 23000 v4 Demonstrate knowledge of plantation forest establishment operations and perform an establishment task under supervision

### **Entry information**

There are no pre-requisite requirements for this unit.

Candidate to complete			
Name	Company		
NSI No.	Email / phone		
Pre-assessment confirmation			
<ul> <li>I, the candidate,</li> <li>☐ Understand the assessment process and assessment requirements for this unit.</li> <li>☐ Understand the appeals and resubmission processes.</li> <li>☐ Believe I have the skills and knowledge to successfully complete the assessment.</li> </ul>			
Assessor to complete			
Name	Company		
Email / phone			
Pre-assessment confirmation			
$\ \square$ I, the <b>assessor</b> , can confirm the candidate has achieved any pre-requisite requirements.			

### **Assessment instructions**

### You will need to be able to show you can:

- Demonstrate knowledge of forest establishment.
- Demonstrate knowledge of plantation tree planting.
- Demonstrate knowledge of the use of agrichemicals.
- Demonstrate knowledge of releasing of plantation trees.
- Demonstrate knowledge of fertilising plantation trees.
- Perform an establishment task under supervision.

#### Important information

- Carefully read through the rest of this Assessment so you know exactly what is expected.
- All evidence you provide for this assessment must be your own work.
- Clearly name and label all attached evidence.

### What you need to do



Question Set 1 - Hazards



Question Set 2 - Establishment



Question Set 3 - Agrichemicals



Question Set 4 - Planting



Question Set 5 - Releasing



Question Set 6 - Fertilising



#### **Observation Checklist**

Be observed performing an establishment task. One of planting, manual releasing, chemicals releasing or fertilising.

### You will need to:

- Use and wear appropriate personal protective equipment.
- Demonstrate knowledge of safety and emergency procedures.
- Establish communication processes.
- Prepare for the performance of the establishment task.
- · Identify hazards and manage risks.





### **Worksite Verification**

A worksite verifier must confirm your skills, knowledge and/or work.

You can also attach additional evidence which shows you have the required skills and knowledge, e.g. photos, worksite documents, checklists, work samples, videos.



# **?** Question Set 1 – Hazards

For each hazard:

1.

These questions are about planting, releasing, fertilising hazards and control their associated risks. Use your own words. Your assessor may ask you more questions to check your understanding.

Give one thing that could go wrong.

Explain how you would prevent it.
Terrain
What could go wrong
How I would control the risk
Weather conditions
What could go wrong
How I would control the risk

Slash and logs
What could go wrong
How I would control the risk
Bending over repeatedly
What could go wrong
How I would control the risk
Fatigue
What could go wrong
How I would control the risk

Dehydration
What could go wrong
How I would control the risk
Working too close
What could go wrong
How I would control the risk
Planting spade
What could go wrong
How I would control the risk

Falling rocks
What could go wrong
How I would control the risk
Carrying heavy loads
What could go wrong
How I would control the risk
Chemical accidents
What could go wrong
How I would control the risk

Spray drifts
What could go wrong
How I would control the risk
Mixing of chemicals
What could go wrong  How I would control the risk
Transport of chemicals
What could go wrong
How I would control the risk

Assessor – record key points from candidate's verbal answers as accurately and fully as possible.			
These answers were written by:	☐ Candidate	☐ Assessor	



These questions are about forest establishment.

Use your own words. Your assessor may ask you more questions to check your understanding.

1.	Describe how each factor can affect tree growth.	
	Become now each lactor can allocation growth.	

Factor affecting tree growth	Effect on tree growth
Good seedling condition / health	
Competition from weeds	
Good land preparation	
Poor soil condition	

2. Briefly describe what is involved in each operation.			
Operation	Description		
Planting			
Releasing			
Fertilising			
3. Briefly explain what effect each of the following can have on future (downstream) tree crop quality and value.			
	Affect		
Tree quality			
Increased value			

Decreased value					
Assessor – record key points from candidate's verbal answers as accurately and fully as possible.  These answers were written by:					

## Question Set 3 – Agrichemicals

	questions are about the use of agrichemicals. our own words. Your assessor may ask you more questions to check your understanding.	
1.	Briefly describe the main purpose of NZS 8409:2004 Management of Agrichemicals.	
2.	Explain why it is important to follow the first aid instructions for different agrichemicals used.	



3.	Describe <b>two</b> typical first aid procedures for chemical accident	
4.	Name the <b>two</b> most common locations where information on first aid procedures can be found for agrichemical emergencies / accidents.	

5. agrichemicals.			
Chemical type	Disposal method		
Diluted mixture			
Concentrated / unmixed			
Assessor – record key points from candidate's verbal answers as accurately and fully as possible.			
These answers were written by: ☐ Candidate ☐ Assessor			☐ Assessor

For each chemical type, describe the correct method of disposal for left over

# **?** Question Set 4 – Planting

These questions are about plantation tree planting.

Use your own words. Your assessor may ask you more questions to check your understanding.

1. Provide a definition for each planting term.

Term	Definition
Tree stock	
Cuttings	
Socketing	
Clone trees	
Screefing	
Seedlings	
Container grown stock	

Positive pull-up		
Cultivation		
Bare root trees		
Hockey stick		
Sourcing		
Answer questions 2a good condition.	a – 2c about the importance of keeping planting stock in	
a. Why is correct st	acking important?	
b. Why is correct st	orage important?	
c. Why is it importa	nt to use the correct transport method?	

Incorrect planting technique	Effect on tree gro	owth		
Trees too shallow				
Trees too deep.				
Poor soil cultivation				
Incorrect tree spacing				
Incorrect root placement				
Assessor – record key points f	Assessor – record key points from candidate's verbal answers as accurately and fully as possible.			
These answers were written b	by:	☐ Candidate	☐ Assessor	

Describe how each incorrect planting technique can affect tree growth.



These questions are about releasing of plantation trees.

Use your own words. Your assessor may ask you more questions to check your understanding.

1.	Describe each releasing method and a situation when it would be used.	
Manu	al	
Descri	iption	
When	it would be used	
Motor	manual	
Descri	iption	
When	it would be used	



a forestry operation in terms of the final crop.			
Advantages			
Disadvantages			
Disduvantages			

Describe three advantages and three disadvantages of chemical releasing in

<ul><li>Two advantages.</li><li>Two disadvantages.</li></ul>
Liquid
Method of application
When it would be used
Advantages
Disadvantages

For each herbicide type describe:

One method of application.

Two situations when each would be used.

Granules	
Method of application	
When it would be used	
when it would be used	
Advantages	
Disadvantages	

4. Describe <b>four</b> of the following methods of applying agrichemicals.		
Application method	Description	
Spotgun		
Knapsack		
Aerial		
Brush gun		
Granule applicator		
Wick wire		

5.	Give <b>two</b> reasons wh	ny you would add dye to chemicals.	
6.	Describe the effect e releasing.	ach incorrect technique would have when chemical	
ncori	rect technique	Description	
Not al	lowing for wind		
-loldir	g nozzle too close		
Holdir	ng nozzle too high		

<b>Assessor</b> – record key points from candidate's verbal answers as accurately and fully as possible.				
These answers were written by:	☐ Candidate	☐ Assessor		

# Question Set 6 – Fertilising

These questions are about fertilising plantation trees.					
Use your own words. Your assessor may ask you more questions to check your understanding.					
Describe <b>two</b> advantages and <b>two</b> disadvantages of fertilising.					
Advantages	Disadvantages				
<ul> <li>For each situation:</li> <li>Describe the fertiliser applica</li> <li>Identify the best place to app</li> <li>Explain why it is the best place</li> </ul>	ly the fertiliser in relation to the tree.				
Flat terrain					
Fertiliser application method					
The best place to apply fertiliser					

Slopes		
Fertiliser application method		
The best place to apply fertiliser		
Why this is the best place to apply fertiliser		
Near waterways		
Fertiliser application method		
The best place to apply fertiliser		
Why this is the best place to apply fertiliser		
Assessor – record key points from candidate's verb	al answers as accurately a	nd fully as possible.
These answers were written by:	☐ Candidate	☐ Assessor

# Observation Checklist

You must be observed performing an establishment task. One of planting, manual releasing, chemical releasing, or fertilising.

#### You will need to:

- Complete Part A of the checklist. Your assessor will complete Part B.
- Select, check, and use the correct PPE and equipment for the task.
- Confirm safety procedures with the supervisor.
- Use correct communication as specified by the supervisor.
- Use ergonomically correct methods for transporting equipment and performing the task.
- Identify hazards and control associated risks.
- Complete establishment task under supervision.
- Attach any other evidence that shows your ability to perform an establishment task such as photos or worksite documents you prepared or completed.

You may be asked additional questions to check your knowledge and may need to demonstrate skills and/or carry out tasks more than once.

#### Note to the assessor

- Only tick off each task when satisfied the candidate can do it safely and consistently.
- All tasks must be carried out following accepted industry practice and worksite procedures.
- Where prompted, please record details of what you observed, e.g. comments about the candidate's performance, what the candidate did or said, and specific questions and responses.
- Attach any other evidence that shows what you observed and/or that supports your decision for the candidate's competency in the tasks, e.g. photos or worksite documents.
- Check the candidate has completed Part A and has attached any required evidence.



Part A: Candidate to complete				
Your name				
Worksite / company				
Establishment task (tick which applies)	□ Planting □ Chemical releasing			
	☐ Fertilising			
Part B: Assessor to o	complete			
For each statement be				
	establishment task under supervision, the candidate:			
1. Selects the cor	rect PPE for the task.			
2. Checks selecte	ed PPE.			
3. Uses selected	PPE correctly.			
☐ Knowledg	y procedures with the supervisor. Must include: e of emergency procedures. ion of escape routes.			
5. Selects correct Record equipn	t equipment for the task. nent selected.			

6.	Checks selected equipment.		
7.	Establishes communication pro Record communication process	cesses, as specified by supervisor. es specified.	
8.	Identifies <b>five</b> hazards associate controls associated risks. May	ed with the establishment task and effectively include:	
	☐ Terrain.	☐ Weather conditions.	
	☐ Slash and logs.	☐ Bending over repeatedly.	
	☐ Fatigue.	☐ Dehydration.	
	☐ Working too close.	☐ Planting spade.	
	☐ Falling rocks.	☐ Chemical accidents.	
	☐ Spray drifts.	☐ Mixing of chemicals.	
	☐ Transport of chemicals.	☐ Chemicals.	
	☐ Carrying heavy loads.	☐ Other (please write):	
	Record how the candidate effect	tively controls the associated risks.	
9.	Reports hazards identified to th	eir supervisor.	
10.	Performs the establishment tas	k under supervision.	

11. Uses ergonomically correct methods for transporting equipment and performing the establishment task. May include:							
☐ Distributing weight evenly.							
		Shoulder straps used	d effectively.				
	□ A	voiding overreachir	ng.				
		Steady footing.					
		Steady pace.					
		Other (please write):					
12.	Comp	letes the establishn	nent task unde	r supervision.			
Throug	ghout t	the observation, th	ne candidate:			$\overline{\checkmark}$	
13. Completes all the above tasks in accordance with:							
	□ V	Vorksite procedures	<b>3</b> .				
☐ Machine and equipment manufacturer's requirements.							
☐ Accepted industry practice.							
	□ A	accepted industry pr	actice.				
	provid	•	s on the candi	date's ability to perf	orm an		
	provid	e specific comment	s on the candi	date's ability to perfo	orm an		
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establi	provid shment	e specific comment t task under supervi	s on the candi	date's ability to perf	orm an		
I confir	e provid shment rm that: ave obs	e specific comment t task under supervi	s on the candi		☐ Yes		
I confir I ha the	e provid shment rm that: ave obs e standa	e specific comment t task under supervi	e carry out all	the above tasks to			



#### Note to the worksite verifier

- The assessor takes this form into account when making their decision about the candidate's competency. It helps provide further evidence of the candidate's skills and knowledge beyond what the assessor can directly observe or where worksite requirements may vary.
- This form must be completed by someone who:
  - Has been approved by the assessor.
  - Has expertise in the assessed tasks (see Observation Checklist for details).
  - o Regularly supervises or manages the candidate in their worksite or operation.
- In-house and/or provider assessors are not required to complete this form but may ask another suitable verifier to complete it if further evidence of competency is required.

Worksite verifier to complete							
I confirm that :					$\overline{\checkmark}$		
Has performed an establishment task, including.							
	□ Demo	onstrating knowledge of planta	ation tree planting.				
	□ Demo	onstrating knowledge of releas	sing of plantation tre	ees.			
	□ Demo	onstrating knowledge of fertilis	sing plantation trees	S.			
	□ Perfo	rming an establishment task ι	under supervision.				
Can consistently and safely do the above to the standard of this operation.							
Met worksite and operational requirements.							
4. Completed any attached documentation to worksite / operational requirements.							
Please comment on the candidate's ability to perform an establishment task under supervision					/ision.		
\/::6:			0:				
and ti	er name itle		Signature				
Phon	Phone / email Date						



### **Assessment result**

Post-assessment feedback							
Assessor judgement							
I, the <b>assessor</b> , have re judge that it is sufficient a		evidence for Unit S	tandard 2	3000 v4 and			
I confirm the candidate of	can competently:						
	edge of forest establish						
	edge of plantation tree	_					
	edge of the use of agric						
	edge of releasing of pla						
	edge of fertilising planta hment task under sune						
☐ Perform an establishment task under supervision.							
Assessment result							
☐ I, the <b>assessor</b> , conf	firm the candidate has a	achieved this unit s	tandard.	Stamp			
Signature		Date					
Candidate response							
I, the candidate:	☐ Agree with the asse	essment result.	□ Wish	to appeal.			
Signature			Date				