

National Certificate in Agricultural Contracting Level Three - 69 Credits

Training Plan

(Full name) _____

The National Certificate in Agricultural Contracting is a Level 3 qualification, comprising 69 credits. To be awarded the qualification, ALL trainees must complete:

- Core Compulsory Units
- Core Elective Units

Optional Strands in Crop Production, Fencing, Harvesting, Land Development, Mechanical Vegetation Control, Transport and Zero Tillage are available in addition to the above. Some units may be shared between the core elective and these optional strands (apart from the Fencing strand).

Please note: The ticked units can only be achieved by attending an off-job course.

Core Compulsory Units – All the units listed below are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
6401	Provide first aid	2	1	6402	✓	
6402	Provide resuscitation Level 2	1	1		✓	
9707	Demonstrate knowledge of workplace communications requirements	1	5			
19044	Describe the legal requirements and occupational hazards associated with tractor use	2	2		✓	
19577	Perform measurements and calculations for agricultural contracting	2	2			
19578	Describe and maintain health and safety in an agricultural contracting workplace	2	4			
23622	Produce and confirm a plan to carry out a basic agricultural contracting operation	3	4			
24089	Demonstrate knowledge of fatigue management, work time, and driver logbook requirements	3	5		✓	
24552	Check and drive a basic wheel tractor with an attached implement on flat terrain	2	5	19044		

Core Elective Units (Set A and Set B)

A minimum of **40 credits**, of which a **minimum of 36 credits at Level 3** or above are required.

Set A – A minimum of 25 credits are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
6255	Drive a wheel tractor towing a heavy load	3	3	24552		Minimum Class 2 Driver Licence required	
6257	Operate a mounted front end loader unit for agricultural contracting	3	5			Endorsement W (wheels) Licence required	
6260	Plan and install an open drain system for rural land drainage	4	10			Driver Licence required	
6261	Plan and install an underground drain system for rural land drainage	4	15				
6264	Thin shelter belts and/or plantations	4	8				
6265	Trim and limb shelter belts	4	10				
6266	Apply fertiliser to pasture and crops	4	8				
6267	Spread effluent on the land by tanker and/or muck spreader	3	5				
6269	Cultivate soil using a power take off driven cultivator	4	8				
6270	Cultivate soil using disc and/or tine cultivation equipment	4	8				

Set A – Continued.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
6273	Demonstrate knowledge of crop production for agricultural contracting work	4	15				
6275	Operate a grain and seed drill for agricultural contracting	4	10			Driver Licence required	
6276	Operate a precision planter for agricultural contracting	4	12				
6277	Operate a combine harvester	4	20			Endorsement W (wheels) Licence required	
6278	Operate a root crop harvester	4	20				
6283	Operate heavy chipping and mulching machinery for agricultural contracting	4	10			Minimum Class 2 Driver Licence required	
6284	Construct farm tracks and prepare on-farm building sites	4	17			Driver Licence required	
6286	Store hay and/or straw bales	3	5				
6290	Carry out landscape maintenance for agricultural contracting	3	6				
19562	Operate a tracked tractor and equipment for agricultural contracting	4	20			Endorsement T (tracks) Licence required	
19563	Install an agricultural or horticultural water reticulation system	3	10				
19564	Install an agricultural or horticultural irrigation system	3	10				
19569	Sow seed for crops using zero tillage	4	20	6273, 19574			
19570	Operate a mower for agricultural contracting	4	12			Driver Licence required	
19571	Operate a hydraulic arm mower on hedges and verges	4	12				
19574	Operate a wheel tractor for agricultural contracting without supervision	3	10				
19575	Operate a hydraulic excavator for agricultural contracting	4	20			Endorsement W (wheels) or T (tracks) Licence required	
19576	Carry out multi-vehicle agricultural contracting operations on roads	3	6			Driver Licence required	
23621	Demonstrate use of survey equipment for agricultural contracting land development	4	8				
23622	Produce and confirm a plan to carry out a basic agricultural contracting operation	3	4				
23623	Operate mulching plant for agricultural contracting	4	10				
23624	Operate a mobile weighbridge for agricultural contracting	4	4			Driver Licence required	
23625	Transport harvested product to storage	3	10			Minimum Class 4 Driver Licence required	
23626	Operate a loader wagon for silage harvesting	4	12	6255			
23627	Plan the acquisition of plant for agricultural contracting	5	9				
23630	Operate a conventional or large square baler for silage or hay	3	18			Driver Licence required	
23631	Operate a round baler for silage or hay	3	18				
23632	Operate machinery to handle bales for agricultural contracting	3	5				
23633	Operate a bale wrapper	4	8				
23634	Operate a forage harvester	4	25	23635			
23635	Demonstrate knowledge of anaerobic silage processes, and hand test forage crop prior to harvesting	3	5				
23636	Operate stacking equipment and machinery for silage production	4	20	23635		Endorsement W (wheels) Or F (forklift) Licence required	
23637	Operate a telehandler for agricultural contracting	3	15				
23638	Prepare for, and carry out, mould-board type ploughing	4	12			Driver Licence required	
23639	Store bulk grain or seed delivered from harvest	3	7				

Set B – The balance of credits, if required, can be taken from the units listed below.							Tick to select
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
5627	Operate as a Traffic Controller (TC) for low volume and Level 1 roads	3	4	Level 1 (TC)	✓		
5628	Operate as a Site Traffic Management Supervisor (STMS) for low volume and Level 1 roads	5	3	STMS	✓		
6400	Manage first aid in emergency situations	3	2	6401	✓		
6917	Operate a chainsaw	2	1		✓	6916 recommended	
16701	Demonstrate knowledge and skills for driving on a road for endorsement W (wheels) Licence	3	3		✓	Minimum Class 1 Driver Licence required	
16702	Demonstrate knowledge and skills for driving on a road for endorsement R (rollers) Licence	3	3		✓		
16703	Demonstrate knowledge and skills for driving on a road for endorsement T (tracks) Licence	3	3		✓		
17574	Operate a rigid vehicle to meet the requirements for a full Class 2 Driver Licence	3	7		✓	Driver Licence required	
17575	Operate a combination vehicle to meet the requirements for a full Class 3 Driver Licence	3	7		✓		
17576	Operate a rigid vehicle to meet the requirements for a full Class 4 Driver Licence	3	7		✓		
17577	Operate a combination vehicle to meet the requirements for a full Class 5 Driver Licence	4	8		✓		
17972	Demonstrate knowledge of heavy rigid vehicle dynamics and handling for safe driving	3	3		✓		
18079	Demonstrate knowledge of heavy combination vehicle dynamics and handling for safe driving	3	4		✓		
19046	Service and repair agricultural machinery	3	6		✓		
20627	Describe the prevention of immobilisation and the recovery of immobilised machines	2	2				
20798	Describe and use a Global Positioning System (GPS) for a specified agricultural activity	3	2				
20877	Demonstrate knowledge of working safely at sites under temporary traffic management	2	1				
20878	Assist with temporary traffic management for low volume and Level 1 roads	2	1	20877			
21563	Demonstrate knowledge of the HSNO Act, and NZS 8409:2004 for the use of agrichemicals	3	5		✓		
21564	Prepare to apply, and apply, agrichemicals	3	5		✓	21563 recommended	
Total Elective Credits							

Optional Strands – One or more of the following strands can be selected, if required.

Crop Production Optional Strand – Meet the requirements of the compulsory and elective sets below.

Tick to select strand

Crop Production Optional Strand Compulsory Units – All the units listed below are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
6273	Demonstrate knowledge of crop production for agricultural contracting work	4	15			
19063	Describe methods to maximise tractor efficiency during cultivation	4	4			

Crop Production Elective units (Set A and Set B) – A minimum of 34 credits from the sets below are required.

Set A – A minimum of 26 credits are required.

Tick to select

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
6269	Cultivate soil using a power take off driven cultivator	4	8			Driver Licence required
6270	Cultivate soil using disc and/or tine cultivation equipment	4	8			
6275	Operate a grain and seed drill for agricultural contracting	4	10			
23638	Prepare for, and carry out, mould-board type ploughing	4	12			

Set B – The balance of credits, if required, can be taken from the units listed below.

Tick to select

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
6236	Operate a boom or band sprayer for agrichemical application	4	10			Driver Licence required
6266	Apply fertiliser to pasture and crops	4	8			
6276	Operate a precision planter for agricultural contracting	4	12			

Fencing Optional Strand – A minimum of 35 credits are required.

Tick to select strand

These unit standards are taken from the NZQA domains:

- Non-commercial Forestry Fencing Skills
- Fencing

Please refer to www.nzqa.govt.nz for further details.

Harvesting Optional Strand – A minimum of 40 credits are required.

Tick to select strand

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
6255	Drive a wheel tractor towing a heavy load	3	3	19043		Minimum Class 2 Driver Licence required	
6277	Operate a combine harvester	4	20			Endorsement W (wheels) Licence required	
6278	Operate a root crop harvester	4	20				
6286	Store hay and/or straw bales	3	5			Driver Licence required	
19570	Operate a mower for agricultural contracting	4	12				
23624	Operate a mobile weighbridge for agricultural contracting	4	4				
23625	Transport harvested product to storage	3	10				
23626	Operate a loader wagon for silage harvesting	4	12	6255			
23629	Operate tedders and/or rakes	2	10				
23630	Operate a conventional or large square baler for silage or hay	3	18				
23631	Operate a round baler for silage or hay	3	18				
23632	Operate machinery to handle bales for agricultural contracting	3	5				
23633	Operate a bale wrapper	4	8				
23634	Operate a forage harvester	4	25	23635			

Harvesting Optional Strand – Continued.							Tick to select
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
23635	Demonstrate knowledge of anaerobic silage processes, and hand test forage crop prior to harvesting	3	5				
23636	Operate stacking equipment and machinery for silage production	4	20	23635		Driver Licence required	
23637	Operate a telehandler for agricultural contracting	3	15			Endorsement W (wheels) or F (forklift) Licence required	
23639	Store bulk grain or seed delivered from harvest	3	7			Driver Licence required	

Land Development Optional Strand
Meet the requirements of the compulsory and elective sets below. Tick to select strand

Land Development Compulsory Units – All the units listed below are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
6476	Read and interpret civil construction plans	2	2				
6479	Locate and identify services on civil construction sites	3	4				
23621	Demonstrate use of survey equipment for agricultural contracting land development	4	8				

Land Development Elective One – A minimum of 30 credits are required. Tick to select

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
6283	Operate heavy chipping and mulching machinery for agricultural contracting	4	10			Driver Licence required	
17309	Operate a wheeled loader on civil construction sites	3	20			Endorsement W (wheels) Licence required	
17311	Operate a motor grader for earthworks	3	20				
17314	Operate a motor scraper on civil construction sites	3	20			Driver Licence required	
17316	Operate a bulldozer on civil construction sites	3	20			Endorsement T (tracks) Licence required	
17317	Operate an articulated dump truck on civil construction sites	3	20			Driver Licence required	
19562	Operate a tracked tractor and equipment for agricultural contracting	4	20			Endorsement T (tracks) Licence required	
19575	Operate a hydraulic excavator for agricultural contracting	4	20			Endorsement T (tracks) or W (wheels) Licence required	
23623	Operate mulching plant for agricultural contracting	4	10			Driver Licence required	
23638	Prepare for, and carry out, mould-board type ploughing	4	12				

Land Development Elective Two – A minimum of 18 credits are required. Tick to select

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
6260	Plan and install an open drain system for rural land drainage	4	10			Driver Licence required	
6261	Plan and install an underground drain system for rural land drainage	4	15				
6266	Apply fertiliser to pasture and crops	4	8				
6284	Construct farm tracks and prepare on-farm building sites	4	17				
19563	Install an agricultural or horticultural water reticulation system	3	10				
19564	Install an agricultural or horticultural irrigation system	3	10				

Mechanical Vegetation Control Optional Strand – A minimum of 20 credits are required.

 Tick to select strand

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
5627	Operate as a Traffic Controller (TC) for low volume and Level 1 roads	3	4	Level 1 (TC)	✓		
5628	Operate as a Site Traffic Management Supervisor (STMS) for low volume and Level 1 roads	5	3	(STMS)	✓		
6264	Thin shelter belts and/or plantations	4	8			Driver Licence required	
6265	Trim and limb shelter belts	4	10				
19570	Operate a mower for agricultural contracting	4	12				
19571	Operate a hydraulic arm mower on hedges and verges	4	12				
19576	Carry out multi-vehicle agricultural contracting operations on roads	3	6				
23623	Operate mulching plant for agricultural contracting	4	10				

Transport Optional Strand – Meet the requirements of the compulsory and elective sets below.

 Tick to select strand

Transport Compulsory Unit – The unit standard listed below is required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
23436	Demonstrate knowledge of the self-supervision requirements for overweight vehicles crossing bridges	4	4		✓		

Transport Elective Units – A minimum of 25 credits are required.

Only the unit standards supported by InfraTrain as off-job are listed below.

Other unit standards are available from the NZQA subfield and domains:

- Commercial Road Transport – Transport Skills
- Driving – Any

Please refer to www.nzqa.govt.nz for further details.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
6466	Convey civil construction plant by transporter	3	20		✓	Minimum Class 4 Driver Licence or endorsement W (wheels), R (rollers) and T (tracks) Licence required	
8560	Deliver, stockpile, and spread aggregates with truck and trailer	3	12		✓	Driver Licence required	
23625	Transport harvested product to storage	3	10		✓	Driver Licence required	

Zero Tillage Optional Strand – All the units listed below are required.

 Tick to select strand

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
6273	Demonstrate knowledge of crop production for agricultural contracting work	4	15				
19063	Describe methods to maximise tractor efficiency during cultivation	4	4				
19569	Sow seed for crops using zero tillage	4	20	6273, 19574			