

## National Certificate in Arable Farming (Level 3)

**Level** 3

**Credits** 66

### Purpose

This qualification is for people with some experience in the arable industry. On completion of this qualification people will be able to work under little or no supervision.

The compulsory section recognises the skills required to drive a tractor; cultivate with a tractor and implements, and a PTO implement on a tractor; assist with disposal of crop residues; check and report on crop health and development; harvest cash crops; assist with harvesting; and manage the factors that contribute to injury on farms. This section also recognises the knowledge related to tractor use; petrol and diesel engines; harvesting machinery and harvesting; plant pests, diseases, and disorders; cash crops and crop residue disposal; the types, structure, and growth of plants; soils; and the environmental implications of spreading fertiliser.

The elective section recognises the variations amongst arable farms in the use of agricultural vehicles such as tractors, motorcycles, All Terrain Vehicle Utilities (ATVUs), and All Terrain Vehicles (ATVs); as well as standards related to the set-up, operation, and maintenance of irrigation systems. This section allows people to select a standard relevant to their own farming situation.

On completion of this qualification people can progress to higher level qualifications in the agriculture industry.

### Replacement Information

This qualification, and the following qualifications, replaced the National Certificate in Agriculture (Level 3) with strands in Arable Farming, Cattle Farming, Dairy Farming, Deer Farming, and Sheep Farming [Ref: 0985]:

- National Certificate in Agriculture (Animal Feeding and Pastures) (Level 3) [Ref: 1435];
- National Certificate in Agriculture (Cattle Breeding) (Level 3) with strands in Beef Cattle Farming, and Dairy Cattle Farming [Ref: 1436];
- National Certificate in Agriculture (Stockperson – Cattle and Sheep) (Level 3) [Ref: 1437];
- National Certificate in Agriculture (Animal Health and Husbandry) (Level 3) with strands in Cattle Farming, and Sheep Farming [Ref: 1438];
- National Certificate in Dairy Farming (Milking) (Level 3) [Ref: 1440];
- National Certificate in Dairy Farming (Animal Health and Husbandry) [ (Level 3) Ref: 1441];
- National Certificate in Deer Farming (Level 3) [Ref: 1442];
- National Certificate in Sheep Farming (Sheep Breeding) (Level 3) [Ref: 1443].

## Credit Range

	Compulsory	Elective
Level 2 credits	15	0-3
Level 3 credits	44	0-6
Level 4 credits	5	0-5
Minimum totals	64	2-6
Qualification total	66-70	

## Requirements for Award of Qualification

### Award of NQF Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided in section 7 of the New Zealand Qualifications Authority (NZQA) Rules and Procedures publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

## Summary of Requirements

- Compulsory standards
- Elective – A minimum of 1 standard as specified

## Detailed Requirements

### Compulsory

The following standards are required

Agriculture, Forestry and Fisheries > Agriculture > Agricultural Vehicles and Machinery

ID	Title	Level	Credit
19044	Describe the legal requirements and occupational hazards associated with tractor use	2	2
19047	Describe the working principles, maintenance, and servicing of petrol and diesel engines	2	2
19061	Cultivate with tractor drawn implements	3	4
19062	Cultivate with a tractor with more than one implement	4	5
24539	Maintain and use a power take off (PTO) implement attached to a tractor	3	4
24552	Check and drive a basic wheel tractor with an attached implement on flat terrain	2	5

## Agriculture, Forestry and Fisheries &gt; Agriculture &gt; Arable Farming

ID	Title	Level	Credit
868	Assist with disposal of crop residues	3	3
19066	Demonstrate knowledge of the function of harvesting machinery and harvesting	3	3
19069	Demonstrate knowledge of plant pests, diseases, and disorders, and assess control measures	3	4
19070	Harvest cash crops under supervision	3	5
19071	Demonstrate knowledge of the storage of cash crops, and evaluate methods of crop residue disposal	3	4
24615	Check and report on crop health and stages of development	2	3
24616	Prepare and position a truck or tractor with attached bulk transport bin for harvesting	3	6

## Agriculture, Forestry and Fisheries &gt; Agriculture &gt; Farming Skills

ID	Title	Level	Credit
24636	Demonstrate knowledge of plants in the agriculture industry	2	3

## Agriculture, Forestry and Fisheries &gt; Agriculture &gt; General Agriculture

ID	Title	Level	Credit
19372	Describe the environmental implications of spreading fertiliser and associated activities	3	2
23542	Identify factors, and describe how to manage factors, that contribute to injury in a rural workplace	3	4
24543	Demonstrate knowledge of the formation, and factors which influence properties, of soils on-farm	3	5

**Elective**

A minimum of 1 standard

## Agriculture, Forestry and Fisheries &gt; Agriculture &gt; Agricultural Vehicles and Machinery

ID	Title	Level	Credit
19048	Apply fertilisers using tractor or All Terrain Vehicle (ATV) with mounted or trailed equipment	3	6
19054	Ride a motorcycle on undulating terrain	3	4
19055	Ride a motorcycle with mounted equipment on flat terrain	3	2
19064	Prepare to plough, and plough a paddock	4	5
24558	Drive an All Terrain Vehicle Utility (ATVU) on undulating terrain	3	5
24559	Ride an All Terrain Vehicle (ATV) on undulating terrain	3	6

ID	Title	Level	Credit
24560	Drive an All Terrain Vehicle Utility (ATVU) with trailed equipment	3	3
24561	Ride an All Terrain Vehicle (ATV) with trailed equipment	3	2
24562	Drive an All Terrain Vehicle Utility (ATVU) with mounted equipment or a load	3	3
24563	Ride an All Terrain Vehicle (ATV) with mounted equipment or a load	3	4

Agriculture, Forestry and Fisheries > Agriculture > Farming Skills

ID	Title	Level	Credit
19119	Set up, operate, and maintain a travelling irrigation system	3	4
19120	Set up, monitor, and maintain a borderdyke irrigation system	2	3
19122	Set up, operate, and maintain a non-travelling spray irrigation system	2	3

### Transition Arrangements

This qualification, and the following qualifications, replaced the National Certificate in Agriculture (Level 3) with strands in Arable Farming, Cattle Farming, Dairy Farming, Deer Farming, and Sheep Farming [Ref: 0985]:

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- National Certificate in Sheep Farming (Sheep Breeding) (Level 3) [Ref: 1443].

For detailed information see [Review Summaries](#) on the NZQA website.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
14490, 14491	23542
19043, 19049	24552

Credit for	Exempt from
19058	24558, 24559
19059	24560, 24561
19060	24562, 24563
19121	24636

Training programmes or courses for this qualification may start as soon as the qualification is registered. The last date for entry to programmes or courses for the replaced qualification is December 2009.

The last date for assessments to take place for the replaced qualification is December 2012.

It is not intended that anyone be disadvantaged by this review. However, anyone who feels they have been disadvantaged may appeal to the Agriculture Industry Training Organisation at the address below.

## NQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	September 2008	N/A

## Standard Setting Body

Agriculture Industry Training Organisation  
PO Box 10 383  
The Terrace  
WELLINGTON

Telephone 04 801 9616  
Email [standards@agricultureito.ac.nz](mailto:standards@agricultureito.ac.nz)  
Website [www.agricultureito.ac.nz](http://www.agricultureito.ac.nz)

## Planned Review

Any person or organisation may contribute to the review of this qualification by sending feedback to the standard setting body at the above address.

Next Review	2013
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## Certification

This certificate will display the logos of NZQA, the Agriculture Industry Training Organisation and accredited organisation.

## Classification

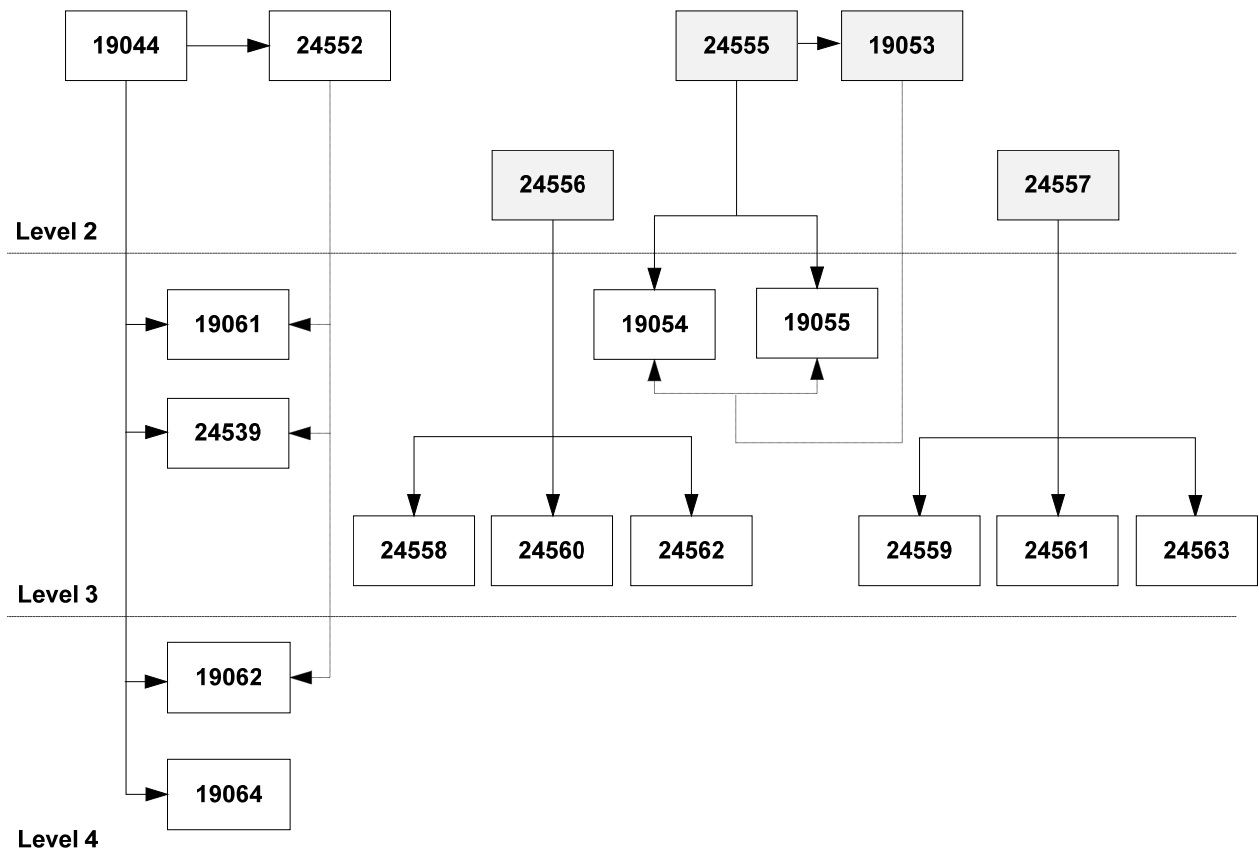
This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

NQF Classification		NZSCED	
Code	Description	Code	Description
710	Agriculture, Forestry and Fisheries > Agriculture > Arable Farming	050199	Agriculture, Environmental and Related Studies > Agriculture > Agriculture not elsewhere classified

### Quality Management Systems

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.

# Prerequisite Diagram



Key	
	Recommended
	Required
	Not in qualification