

National Certificate in Agriculture (Production Management) with strands in Arable Farming, Cattle Farming, Dairy Farming, Deer Farming, and Sheep Farming

Level 4 or 5 depending on strand

Credits 70-75

Purpose

This qualification is for people who have, or wish to undertake, a role where they are responsible for agricultural production. People may already have significant industry experience prior to entry and may therefore be credited with a proportion of this qualification.

The qualification is stranded to allow people to specialise in one or more of the agricultural sectors - arable farming, beef farming, dairy farming, deer farming, and sheep farming. The skills and knowledge required for each of the strands are specific to that particular agricultural production sector.

The Core Compulsory section recognises the skills and knowledge required to develop production management action plans and analyse results, identify and analyse high performance in agribusiness productivity, and manage a feed budget to meet agribusiness production targets.

This qualification builds on the knowledge and skills in, and shares many of the strand-specific credits with, the National Certificate in Agriculture (Level 4) with strands in Arable Farming, Cattle Farming, Dairy Farming, Deer Farming, and Sheep Farming [Ref: 0986].

On completion of this qualification people can pathway onto other agriculture industry qualifications such as the National Certificate in Agribusiness Management (Business Planning and Financial Management) [Ref: 1186], National Certificate in Agribusiness Management (Agribusiness Resource Management) [Ref: 1187], and the National Diploma in Agribusiness Management [Ref: 0647].

Replacement information

This qualification, along with the National Certificate in Agribusiness Management (Agribusiness Resource Management) [Ref: 1187], and the National Certificate in Agribusiness Management (Business Planning and Financial Management) [Ref: 1186] replaced the National Certificate in Agribusiness Management with strands in Production Management, Business Planning, Physical Resource Management, Taxation and Risk Management, Capital Management, and Financial Planning [Ref: 0500].

Credit Range

	Core Compulsory	Arable Farming Strand		Cattle Farming Strand	
		E 1	E 2	C	E
Level 3 credits	-	3-16	0-5	-	-
Level 4 credits	-	4-18	15-20	24	0-10
Level 5 credits	32	-	-	6	0-10
Minimum totals	32	20	20	30	10
Qualification total with strand		72		72	
Qualification level		4		4	

	Dairy Farming Strand		Deer Farming Strand		Sheep Farming Strand	
	C	E	C	E	C	E
Level 3 credits	-	0-5	-	-	-	-
Level 4 credits	13	17-22	5	3-5	24	9-13
Level 5 credits	6	-	30	-	6	-
Minimum totals	19	22	35	3-5	30	9-13
Qualification total with strand	73		70-72		71-75	
Qualification level	4		5		4	

Requirements for Award of Qualification

This qualification will be awarded to people who have met the requirements of the core compulsory section, plus one of the strands.

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 the Qualifications Authority *Rules and Procedures* publications available at www.nzqa.govt.nz/ncea/.

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.

Detailed Qualification Requirements

Core Compulsory

All the standards listed below are required.

Field Agriculture, Forestry and Fisheries
 Subfield Agriculture
 Domain Agribusiness Management

Id	Title	Level	Credit
21389	Develop production management action plans for an agribusiness, and analyse results	5	10
21391	Identify, benchmark, and analyse high performance in agribusiness productivity	5	10
21393	Prepare, implement, and monitor a feed budget to meet agribusiness production targets	5	12

Arable Farming Strand Elective 1

A minimum of 20 credits is required from the following standards.

Field Agriculture, Forestry and Fisheries
 Subfield Agriculture
 Domain Agricultural Vehicles and Machinery

Id	Title	Level	Credit
19063	Describe tractor features, driving skills, and cultivation patterns that maximize tractor efficiency	4	3

Domain Arable Farming

Id	Title	Level	Credit
869	Demonstrate knowledge of arable farm production	4	6
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
19071	Demonstrate knowledge of the storage of cash crops, and evaluate methods of crop residue disposal	3	4

Domain Farming Skills

Id	Title	Level	Credit
19123	Demonstrate knowledge of irrigation systems, and calculate soil moisture and water efficiency	4	4

Domain General Agriculture

Id	Title	Level	Credit
19140	Demonstrate knowledge of water use and quality, and related land use issues in primary production	3	5
19141	Demonstrate knowledge of land management in primary production	4	5

Arable Farming Strand Elective 2

A minimum of 20 credits is required from the following standards.

Field Agriculture, Forestry and Fisheries
 Subfield Agriculture
 Domain Agricultural Vehicles and Machinery

Id	Title	Level	Credit
19062	Cultivate with a tractor with more than one implement	4	5
19064	Prepare to plough, and plough a paddock	4	5

Domain Arable Farming

Id	Title	Level	Credit
868	Dispose of crop residues	4	3
19068	Plan and monitor the maintenance of crop health, under supervision	4	4
19070	Harvest cash crops under supervision	3	5

Subfield Horticulture
 Domain Production Horticulture

Id	Title	Level	Credit
50	Prepare seedbeds and grow crops on a field scale	4	4

Subfield Pest Management
 Domain Pest Control

Id	Title	Level	Credit
21559	Describe, plan, and manage a weed control programme	4	5

Cattle Farming Strand Compulsory

All the following standards are required.

Field Agriculture, Forestry and Fisheries
 Subfield Agriculture
 Domain Cattle Farming

Id	Title	Level	Credit
19076	Identify and treat ill-health in cattle	4	6
19077	Demonstrate knowledge of the health of cattle	4	6
19079	Plan and co-ordinate the feeding of cattle	4	7

Domain Farming Skills

Id	Title	Level	Credit
19117	Demonstrate knowledge of meat production	4	5
19118	Describe rumen digestion, and feeding requirements to meet production targets	5	6

Cattle Farming Strand Elective

A minimum of 10 credits at level 4 or above is required from standards in the following domains.

Field	Subfield	Domains
Agriculture, Forestry and Fisheries	Agriculture	Cattle Farming Farming Skills

Dairy Farming Strand Compulsory

All the following standards are required.

Field Agriculture, Forestry and Fisheries
Subfield Agriculture
Domain Cattle Farming

Id	Title	Level	Credit
19077	Demonstrate knowledge of the health of cattle	4	6
19085	Demonstrate knowledge of cattle mating management	4	4

Domain Dairy Farming

Id	Title	Level	Credit
18197	Demonstrate knowledge of milk production in dairy cows	4	3

Domain Farming Skills

Id	Title	Level	Credit
19118	Describe rumen digestion, and feeding requirements to meet production targets	5	6

Dairy Farming Strand Elective

A minimum of 22 credits is required from the following standards.

Field Agriculture, Forestry and Fisheries
Subfield Agriculture
Domain Cattle Farming

Id	Title	Level	Credit
19073	Prepare for calving and calve cows	4	6
19076	Identify and treat ill-health in cattle	4	6
19079	Plan and co-ordinate the feeding of cattle	4	7

Domain Dairy Farming

Id	Title	Level	Credit
19091	Manage the operation of a farm dairy	4	7
19169	Implement a mating and calving plan for a dairy herd under supervision	4	6

Domain General Agriculture

Id	Title	Level	Credit
19140	Demonstrate knowledge of water use and quality, and related land use issues in primary production	3	5
19141	Demonstrate knowledge of land management in primary production	4	5

Deer Farming Strand Compulsory

All the following standards are required.

Field Agriculture, Forestry and Fisheries

Subfield Agriculture

Domain Deer Farming

Id	Title	Level	Credit
8621	Maintain the health of deer	5	6
8623	Plan and coordinate pasture management and the feeding of deer	4	5
8628	Manage a deer herd before, during, and after fawning	5	8
8630	Demonstrate knowledge of the deer product market, and assess and determine deer farming policy	5	10

Domain Farming Skills

Id	Title	Level	Credit
19118	Describe rumen digestion, and feeding requirements to meet production targets	5	6

Deer Farming Strand Elective

A minimum of 1 standard is required from the following standards.

Field Agriculture, Forestry and Fisheries

Subfield Agriculture

Domain Deer Farming

Id	Title	Level	Credit
1521	Demonstrate knowledge of deer breeding methods and programmes	4	3
1530	Demonstrate knowledge of deer mating management	4	4

Domain Farming Skills

Id	Title	Level	Credit
19117	Demonstrate knowledge of meat production	4	5

Sheep Farming Strand Compulsory

All the following standards are required.

Field Agriculture, Forestry and Fisheries
 Subfield Agriculture
 Domain Farming Skills

Id	Title	Level	Credit
19117	Demonstrate knowledge of meat production	4	5
19118	Describe rumen digestion, and feeding requirements to meet production targets	5	6

Domain Sheep Farming

Id	Title	Level	Credit
19153	Plan and coordinate the feeding of sheep	4	7
19155	Identify and treat ill-health of sheep	4	6
19156	Demonstrate knowledge of the health of sheep	4	6

Sheep Farming Strand Elective

A minimum of 2 standards is required from the following standards.

Field Agriculture, Forestry and Fisheries
 Subfield Agriculture
 Domain Sheep Farming

Id	Title	Level	Credit
19158	Demonstrate knowledge of sheep breeding methods and programmes	4	4
19159	Demonstrate knowledge of sheep mating management practices	4	5
19160	Implement tuppung, lambing, docking, and weaning of lambs	4	8

Transition Arrangements

This qualification, along with the National Certificate in Agribusiness Management (Agribusiness Resource Management) [Ref: 1187], and the National Certificate in Agribusiness Management (Business Planning and Financial Management) [Ref: 1186] replaced the National Certificate in Agribusiness Management with strands in Production Management, Business Planning, Physical Resource Management, Taxation and Risk Management, Capital Management, and Financial Planning [Ref: 0500].

The Agriculture Industry Training Organisation encourages people who are part way through the replaced qualification to transfer to one of the new qualifications or the National Diploma in Agribusiness Management [Ref: 0647].

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

The last date for entry to training programmes or courses for the replaced qualification is June 2006. People have until December 2008 to complete the replaced qualification.

Standards from strands in the replaced qualification have moved to this new national certificate as outlined in the table below. Standards in **bold** indicate transferable credits and/or exemptions.

Standards in replaced strands		Credits in common and exemptions in NC Agriculture (Production Management) with strands
Business Planning	11853, 16651, 16657, 16661, 16663	-
Capital Management	16651, 16654, 16655, 16658	-
Financial Planning	16653, 16654, 16655, 16656	-
Physical Resource Management	16650, 16658, 16659, 16660, 16661, 16662	-
Production Management	11850, 11851, 19036	21389, 21391, 21393
Taxation and Risk Management	11853, 16653, 16656, 16661, 16662, 16663	-

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.

Expiring Standards	Replacement Standards
5065 and 6540	21559
11850	21391
11851	21393
19036	21389

The Agriculture Industry Training Organisation intends that no existing candidate is disadvantaged by this review. Any person who feels disadvantaged by the transition should contact the ITO at the address below.

NQF Registration Information

Process	Version	Date	Last Date for Award
Registration	1	August 2005	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

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

The review of this qualification is planned to take place in 2011.

Certification

The certificate will display the logos of the Qualifications Authority and the Agriculture Industry Training 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
93	Agriculture, Forestry and Fisheries/Agriculture	050101	Agriculture, Environmental and Related Studies/Agriculture/Agricultural Science

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.