



Overview national qualifications Agriculture AgriECVET 11-12-2014 Groenhorst

Links with Poultry

Links with Animal nutrition





Age of	Duration,	EQF	Programme	Learning Outcomes National	Subjects taught	Lessons
student	years	LQ.	title	Qualifications	Judgeets taught	total
at start	years		title	Qualifications		totai
at start					Year 2	
					English	62
					Mathematics	62
					Dutch language	62
					Duterrianguage	02
					Vaktechnische vakken	
					Basic economics	46
					Business Economics	46
					Fertilisation	30
					Soil (grondbewerking) technics	16
						16
					Ergonomics	30
					Crop protection	
					Grassland	16
					Hydraulics	16
					Mentoraat	23
					Topic related dairy*	
					Breeding	44
					Hoof trimming	14
					preparing cow show	62
					Milking	46
					Dairy feeding	30
					Milking parlor technics	32
					Overige lesactiviteiten	20
					BPV	656
					BI V	030
					Year 3	
					English	46
					Mathematics	46
					Dutch language	32
					Dutch language	32
					Sector related topics	
					Actuality	69
					Company administration	62
					Company takeover	62
					Corn production (vakrichting)	32
					Mentoraat	31
					Fysics B	30
					Presenteren stage	16
					PVB voorbereiding	15
					RT uren	30
					Contractors technics	124
					Fodder crops	30
					Dairy as study object*	





Age of	Duration,	EQF	Programme	Learning Outcomes National	Subjects taught	Lessons
student	years	LQI	title	Qualifications	Subjects taught	total
at start	years		titic	Quamications		totai
					A.I.	28
					Health control	30
					Free Choice	32
					Hoof trimming	32
					Cow signals enhanced study	32
					cow signals cimanoca stady	
					Overige lesactiviteiten	
					Stage verslag schrijven	20
					PvB	2
					BPV	504
	3	4	professional	• Is responsible for the quality of	Year 1	
			experts	agribusiness product	English	33
			livestock		Mathematics	33
			n v e s e s e e	• Is responsible for machinery,	Dutch language	33
				equipment and technical		
				installations	Technical subject	
				Is responsible for land and	Business administration	33
				buildings	Business economics	42
				 Is responsible for information 	Biological inheritance	9
				in the chain	Soil	20
				Providing production and	Use of tractor and machines	11
				livestock	Grassland technics	12
				 Is responsible for production 	Grassland and moles	23
				animals	Innovative housing	9
				 Is responsible for animal 	Hygiene	9
				product	Building Maquette	21
				 Is responsible for forage 	Mentoraat / LOB	26
				production	Physics A	23
				 Sends livestock production 	Maintenance and repair	11
				•	Maintenance and repair practice	23
				Optimize operations	Poultry basics	9
				 Plans and distributes daily work 	Practical learning	39
				 Sends employees in the technical 	Presentation (bijwonen)	9
				area	Dairy basics (cow signals)	9
				Improves process / production	Chemistry A	20
				 Analyzes business and represents 	Chemistry B	23
				vision	Pig keeping basics	9
				Analyzes suppliers and market	Animal nutrition basics	9
				Advises on innovations	Feeding technics	9
				Constitutes networks and uses		
				there	Dairy focused	
					Breeding	21
					Hoof trimming	11
					Organize cow exhibition	56
					Milking	32





Age of	Duration,	EQF	Programme	Learning Outcomes National	Subjects taught	Lessons
student	years	EQF	title	Qualifications	Subjects taugiit	total
at start	years		title	Qualifications		totai
					Dairy feeding	23
					Milk technics	9
					BPV	440
					Practical training	
					_	
					Year 2:	
					English	62
					Mathematics	62
					Dutch language	62
					Technical subjects	
					Basic economics	46
					Fertilisation	30
					Soil (grondbewerking) technics	16
					Ergonomics	16
					Crop protection	30
					Grassland	16
					Hydraulics	16
					Managen	184
					Mentoraat	23
					Machine maintenance and Repairs	16
					Machine maintenance and repairs	14
					practice	30
					Fysics B	16
					Chemistry B	
					Taula valetad daimy*	20
					Topic related dairy* A.I.	28 30
					Health care	32
					Choice topic	32
					Hoof trimming	32
					Cow signals deep study	16
					cow signals deep study	10
					Others	
					Introweek	20
					LB+	20
					Stageverslag schrijven	20
					PvB	0
					BPV	656
					Year 3	
					English	46
					Mathematics	46
					Dutch language	16





Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
					Topic related lessons	
					Actuality	46
					Company takeover	14
					BIBI	14
					Book keeping	60
					Extended grassland knowledge	14
					Corn production (vakrichting)	16
					Marketing	30
					Extended milking knowledge	16
					Mentoraat	8
					Entrepreneur plan	138
					Presenteren stage	16
					PVB voorbereiding	15
					RT hours	30
					Chemistry C	56
					SLO	96
					Feeding crops	16
					Extended knowledge Feeding	30
					Mathematics C	30
					Others	
					Introweek	20
					Internship report	20
					PvB	2
					BPV	656





Overview national qualifications Agriculture AgriECVET 11-12-2014 Bygholm

Link with IPM course

Link with pig production mgmt

Age of student	Duration,	EQF	Programme title	Learning Outcomes National	Subjects taught	Lessons
at start	years			Qualifications		total
21	7/2	5	Agro Economist	 develop a long term strategic plan for the farm business based on the national and international economy and politics, prepare a marketing plan and define the sales strategy for the total production from an agricultural company, undertake project management, networking and innovative work within production areas of agriculture, develop personal leadership skills and act in an agricultural policy environment 	International economics and politics Personal leadership development Strategy and innovation Final project	120 120 180 180
20	<i>Y</i> ₂	4	Farm Business Manager	 establish and develop an agricultural enterprise based on a resource-oriented strategy using knowledge about biology, production techniques and economy, perform the general management of the farm business through organizational plans and personnel policies, communicate professionally with agriculture company's stakeholders, 	Business management Production development Business economy	105 240 255





Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
20	1/2	4	Farm Production Manager	 organize and carry out an agricultural production based on insight into biology, production techniques and economy, analyze and evaluate agricultural production and on the basis of this implement changes in daily production, take responsibility for leading, developing and motivating farm staff and train young people who are under education in agriculture, 	Production economy Production management Staff management	120 300 180
17	1½	4	Skilled Farmer (consist of 14 month of farm training and 20 weeks 2. main course) on top of farmer assistant	 Specialized in crop production: plan and perform tasks with the establishment, tending and harvesting of agricultural crops as well as observe and react to pests and deficiency diseases. contribute to the preparation of field, fertilising and spraying plans as well as plan and perform spraying tasks for agricultural crops. participate in the planning and execution of wildlife and nature management. use, operate and maintain larger and complicated machinery and technical installations that are used for the 	Societal knowledge Entrepreneurship and innovation English/internationalization Crop production or Livestock (either dairy prod. or pig prod.) Economy Sustainability Optional, specialization courses, mainly experienced level (e.g. field machines, special crops, livestock feeding and health, economy of organic farming, organic production, investment and financial management) Optional, free subject (e.g. gastronomy, IT, game and wildlife conservation)	90 30 30 270 30 60 60
				complicated machinery and technical installations that are used for the cultivating, transport and storage of	Optional, free subject (e.g. gastronomy, IT, game and wildlife conservation)	30





Age of student	Duration,	EQF	Programme title	Learning Outcomes National	Subjects taught	Lessons
at start	years			Qualifications		total
				agricultural crops.		
				Specialized in livestock production		
				 perform the daily tending of livestock, 		
				assess fodder quality as well as plan and		
				be responsible for the feeding of		
				selected livestock.		
				 participate in the preparation of 		
				breeding plans for selected livestock and		
				will have knowledge of the animals'		
				reproduction conditions and estimated		
				breeding value.		
				 act appropriately in connection with 		
				prevention and treatment of illnesses in		
				selected livestock.		
				 assess the layout and dimensioning of a 		
				production plant for commercial		
				livestock in relation to the animals'		
				natural behaviour, welfare and		
				productivity.		
				• use, operate and maintain complicated		
				machinery and technical installations as		
				well as other production equipment that		
				is used for livestock.		
15	2	3	Farmer Assistant	 perform ordinary tasks for livestock and 	General (sports, private economy, job	60





Age of student at start	Duration, EQI years	F Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
dt Staft	years	(consist of 20 week basic course, 15 month farm training and 16 week 1. Main course)	be responsible for the practical feeding. • ascertain the most ordinary signs of illness of livestock and participate in tasks for oestrus and reproduction processes. • perform ordinarily occurring practical tasks with establishing, tending and harvesting of agricultural crops. • handle chemicals and use and calibrate spraying material in practice. • use, operate and maintain ordinarily selected machines and technical installations.	market, societal knowledge) Human health (nutrition, healthy life etc.) Nature (applied physics, math, and chemistry) Biology Basic economy English/internationalization Farm training during first school period (general on cow and pig + milking course) Crop protection (mandatory certificate) Crop production Basic ecology Livestock Technics (field machines) Project work Mandatory certificates (tractor driver, fire, first aid, work safety, animal medicine) Optional, specialization courses, mainly beginner level (e.g. field machines, special crops, livestock feeding and health, economy of organic farming, organic production,	30 60 60 30 30 45 30 60+45 30 120+45 90+30 60 75





Overview national qualifications Agriculture AgriECVET 11-12-2014 Lena-Valle

Link with Entrepreneurship

Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
16	2-3	3/4	AGRICULTURE AND HORTICULTURE CURRICULUM FOR COMMON PROGRAMME SUBJECT IN VG2	 Production and service The aims of the studies are to enable pupils to plan, implement and document assignments in nature-based productions and activities and evaluating performance, quality and profitability carry out tasks in agriculture and horticulture based on the nature of the production, biology of the organism and requirements for care document the quality of processes and products in accordance with the quality of processes and products in accordance with certification systems for food quality and environment elaborate on principle differences between ecological and conventional forms of operation implement a production in accordance with the principles for ecological production and relevant regulations use digital tools in planning, implementation and documentation of a nature-based production collect and use information from trade literature, media and public administration about an actual activity or production in agriculture and horticulture carry out industry-related activities in nature and under varying conditions, assess risk and take care of own safety assess risk linked to nature-based tasks and activities and work in accordance with relevant Environment, health and safety regulations 	General Norwegian, English, Social sciences, Natural sciences (physics) Physical excercise Choice of Biology; Physics Mathematics Chemistry Or Civics Languages Economics Plus Professional subjects in the Programme for	





Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
				 prepare an Environment, health and safety system related to a nature-based activity or production use and maintain vehicles, machines, buildings and technical equipment according to relevant regulations and standards propose schemes for recycling and multiple use of resources in nature-based productions propose environmental and energy saving measures and evaluate alternative energy sources in agriculture and horticulture 	Agriculture, Fishing and Forestry*	
				 Management and operations The aims of the studies are to enable pupils to • chart nature and assess commercial opportunities based on local natural resources, and give examples of how commercial practice affects the local community, environment and biological diversity • propose new products based on local natural resources and assess possibilities for establishing a new business in accordance with relevant regulations, ethics and ecological principles 		
				 give examples of requirements set by customers for product selection and quality in agriculture and horticulture, and elaborate on what professional customer service means assess land use in a particular area based on principles for sustainable resource management elaborate on the process of establishing a company and explain the purpose and content of a business plan elaborate on ownership and forms of ownership and describe traditions related to the administration of properties with natural resources 		





Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
				 prepare a selected product for sale and elaborate on various forms of sales and trading in agriculture and horticulture describe central elements in good economic steering and use computer tools to prepare a simple financial overview for a nature-based production prepare invoices and the like for accounting purposes, interpret key figures, and explain the significance of correct accounting in an agriculture and horticulture business elaborate on requirements for professional labour management, plan a nature-based assignment for several individuals, manage its implementation and evaluate the results 		





Overview national qualifications Agriculture AgriECVET 11-12-2014 VABI

Links with hoofcare

Links with Hightech milking

Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons Total (50 min)
16-18	2	3	Animal and agriculture sciences	 What animals eat and how they are fed, how to house animals, take care, breed and select in different circumstances, what diseases and defects the animals can get and how you can see sowing, fertilizing, harvesting and take care of roughage and arable crops you should be able to run (after some years of experience) a farm independently and have the right business skills possess solid knowledge and skills that enable them to study at colleges of higher education 	Dutch French English religion history geography mathematics physical education applied economics applied Chemistry applied biology applied physics project cattle pigs Arable and forage production vegetables	150 120 120 120 60 60 180 120 180 120 120 60 30 120-180 120-180 180 0-120





Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons Total (50 min)
16-19	3	3	Agriculture	 What animals eat and how they are fed, how to house animals, take care, breed and select in different circumstances, what diseases and defects the animals can get and how you can see sowing, fertilizing, harvesting and take care of roughage and arable crops 	Crop protection general technique Traineeship on farm (national) Traineeship on farm (abroad) Project general subjects (= math, Dutch,) French religion physical education applied economics project cattle	60 60 140 100 360 90 180 180 300 60
				you should be able to run (after some years of experience) a farm independently or to work as an employee on a farm	pigs Arable and forage production Crop protection general technique Traineeship on farm (national) Traineeship on farm (abroad)	270 270 390 60 240 720 100
18-19	1	4	Dairy manager	 The manager can make good choices in the field of breeding, feeding, housing and care, time of work, which lead to an optimal yield and welfare of the animals and let perform the ensuing activities. 	Dairy management Practical training dairy Grassland and forage production Automatisation Administration/economics	144 48 96 48 48





Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons Total (50 min)
				 The manager collects and analyzes independently results of the company and optimizes its business operations The manager can make good choices in the field of seeds, the timing of all cultivation measures in the areas of crop protection and fertilization and of preservation and can let perform the ensuing activities The manager can make a financial plan and a business plan The manager can formulate a long-term vision and can translate it into strategic, tactical and operational objectives and decisions The manager has the know-how of modern farming techniques, can weigh their use for his business and apply it to his business 	Traineeship on farm (national) Traineeship on farm (abroad)	120 336





Overview national qualifications Agriculture AgriECVET 11-12-2014 Lentiz

Links with marketing

Links with Biobased Economy

Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
16-17	1-2	2	employee cultivation	 Is responsible for the quality of product agribusiness Is responsible for machinery, equipment and technical installations Is responsible for land and buildings Is responsible for information in the chain Carries out cultivation Carries out harvesting 	English Career and citizenship Calculations (Mathematics) Study & Career Guidance Instruction about practical training Plant cultivation BPV Internship grade 1	83 54 54 83 35 243 243 280
16-17	2	3	Skilled employee cultivation	 Is responsible for the quality of product agribusiness Is responsible for machinery, equipment and technical installations Is responsible for land and buildings Is responsible for information in the chain Carries out cultivation 	Dutch English Career and citizenship Calculations (Mathematics) Communication skills Study Career Guidance	125 102 53 125 31 43





Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
16 17 10	2		professional	 Carries out harvesting Supervises employees in the technical area Supervised planning Provides crop health 	Instruction about practical training Company administration Business Economics ICT Marketing Fertilization Logistics Plant Physiology Technics Practical Lessons Crop Protection Horticulture module CIV (module of choice) Greenhouse project Technical crop management Internship grade 1 Internship grade 2	8 49 93 31 87 75 20 61 113 62 102 72 68 20 390 500
16-17-18	3	4	professional experts cultivation	Is responsible for the quality of product agribusinessIs responsible for machinery,		





Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
			technology and green	equipment and technical installations Is responsible for land and buildings Is responsible for information in the chain Product /crop cultivation The cultivation process is responsible for the handling Manages cultivation process Optimize operations Plans and distributes daily work Supervises and helps employees in the technical area Improves process/ production Analyzes business vision and represents Analyzes suppliers and market Advises on innovations Constitutes networks and make use of it	English Career and citizenship Calculations / mathematics Communication skills Study Career Guidance Instruction about practical training/internship Company administration Business Economics ICT Marketing Fertilization Logistics Plant Physiology Project management Business plan	168 147 67 168 31 67 8 49 141 31 120 75 45 105 29 90





Age of student at start	Duration, years	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught		Lessons total
					<u>Technics</u>		125
					<u>Practical Lessons</u>		62
					Crop Protection		132
					Horticultural module CIV (module of choice)		117
					Greenhouse project		68
					Technical crop management		59
					Energy Management	╛╽	45
]	
					Internship grade 1	╛╽	344
					Internship grade 2		640
					Internship grade 3		580





Overview national qualifications Agriculture AgriECVET 11-12-2014 HBLA Ursprung/Austria

Links with Organic farming

Links with Animal Health

Age of Duration student years at start	, EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
14 5	5	Agriculture	 possess solid state-of-the-art knowledge and skills in science and technology that enable them to administrate managing and advanced jobs in the professions of agriculture and forestry, particularly in their own branch as well as in related fields; possess solid knowledge and skills that enable them to study at colleges of higher education, academies and universities, to be capable of individual further education as well as personnel management; be able to plan their further education and facilitate continuing training of their co-workers; be able to unite and co-ordinate the requirements of nature, economy and scientific-technical progress by protecting and improving the basics of life and maintaining a healthy environment; be able to know and consider requirements of professional practice in their field determined by laws or other legal regulations; be able to grasp and critically evaluate media information and relate it to other insights; be able to recognize, analyze and overcome conflicts and be ready and able to communicate as well as to cooperate in problem solving; be able to estimate the scope of their decisions with respect toward society 	Religion German English Second foreign language or alternatively Special topics in Agriculture History and political Education and Law Geography Applied physics and chemistry Applied computer science Applied biology and ecology Applied mathematics Plant Cultivation Animal Husbandry Forestry Agricultural practical training Agricultural civil engineering Laboratory Research and Innovation Land management and environmental	400 520 440 240 240 80 320 160 320 440 640 560 120 520 520 160





Age of student	Duration, vears	EQF	Programme title	Learning Outcomes National Qualifications	Subjects taught	Lessons total
at start	years		Citic			lotai
				and posterity;	protection	80
				• be able to take an initiative in public work, in Austrian cultural life and in business-related thinking, particularly in the concerns of people who live in	Organic Agriculture	80
				rural areas; to accept democratic principles, to aspire to objectivity and to	National economics	80
				confront differing points of view with respect and tolerance;	Business Administration, Accounting and	
				• take pleasure in their own work, accept self-criticism, respect the work of	Marketing	80
				others;	Project Management	640
				• gain access to the values that have formed and determined the living and	Quality Management	
				working world of agriculture and forestry;		80
				 know the European Union and its member states in their historical, cultural, economic and social aspects and recognize the meaning of the EU-state 	Sports	80
				cooperation with other states in Europe and the world;	Compulsory Traineeship (Summer)	320
				• recognize the importance of communication ability in foreign languages,		
				particularly with the multilingual background of the EU and be able to	Total	880
				perform competently in foreign languages within the joint/ international		7.420
				professional field of agriculture and forestry;		7.120
				• be able to estimate global human problems and to evaluate their effects on agriculture and forestry.		