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## AGRICULTURE AND FISHERIES

### DAIRY PRODUCTION

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#### PROGRAM OF STUDY 5667

On April 7, 2008, Competency 14 was corrected in the Table of Contents, as well as on page 7 (Synoptic Table), page 12 (Grid of Learning Focuses) and page 85 (Module 14).



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## DAIRY PRODUCTION

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### PROGRAM OF STUDY 5667

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## 1. SYNOPTIC TABLE

Number of modules: 27  
 Duration in hours: 1245  
 Credits: 83

Dairy Production  
 CODE: 5667

CODE	TITLE OF THE MODULE	HOURS	CREDITS*
721 012	1. The Trade and the Training Process	30	2
721 023	2. Establishing Relationships among Framing Practices, the Environment, and Health and Safety	45	3
721 032	3. Communicating in the Workplace	30	2
721 042	4. Schools of Thought in Agriculture.	30	2
721 056	5. Organizing the Technical Data Found in the Registers of a Business	90	6
721 064	6. Applying Concepts of Animal anatomy and Physiology	60	4
721 073	7. Milking Cows and Controlling Milk Quality	45	3
721 084	8. Applying Health Care for Dairy Cattle	60	4
721 093	9. Applying Concepts of Genetics and Animal Reproduction	45	3
721 103	10. Applying Concepts of Animal Feeding	45	3
721 113	11. Applying a Reproduction and Improvement Program for Dairy Cattle	45	3
721 123	12. Applying a Feeding Program for Dairy Cattle	45	3
721 134	13. Applying Concepts of Plant Anatomy and Physiology	60	4
721 142	14. Safe Use of Pesticides	30	2
721 154	15. Soil Preparation	60	4
721 163	16. Harvesting, Conditioning and Storing Conditioning	45	3
721 174	17. Applying Concepts of Fertilization and Conditioning	60	4
721 183	18. Planting Crops	45	3
721 192	19. Identifying Crop Pests	30	2
721 202	20. Maintaining Crops	30	2
721 213	21. Applying Concepts of Oxyacetylene Cutting and Arc Welding	45	3
721 224	22. Maintenance and Minor Repairs of Tools and Machinery	60	4
721 234	23. Periodic Maintenance of Tractors	60	4
721 243	24. Regular Building Maintenance	45	3
721 251	25. Job Search Techniques	15	1
721 263	26. Introduction to the Practice of the Trade	45	3
721 273	27. Entering the Work Force	45	3

\*15 hours = 1 credit

This program leads to an SSVD in Dairy Production

GRID OF LEARNING FOCUSES		FIRST LEVEL OPERATIONAL OBJECTIVE	DURATION (IN HOURS)	WORK PROCESS								GENERAL COMPETENCIES												TOTALS	
				(major steps)								(related to technology, subjects , personal development, etc.)												NUMBER OF OBJECTIVES	DURATION (IN HOURS)
				Learn about objectives	Plan work	Prepare material	Do the work	Clean up and put away	Evaluate the quality of work done	Record data in various registers	Participate in the evolution of performance with regard to the objectives of the enterprise	Establish relationships among farming practices, the environment, and health and safety	Communicate in the work place	Recognize the schools of thought in agriculture	Organize technical data	Apply concepts of animal anatomy and physiology	Apply concepts of genetics and animal reproduction	Apply concepts of animal feeding	Apply concepts of plant anatomy and physiology	Use pesticides safely and rationally	Apply concepts of fertilization and conditioning	Identify crop pests	Apply concepts of oxyacetylene cutting and arc welding		
SKILLED WORKER  IN  DAIRY PRODUCTION																									
SPECIFIC COMPETENCIES (directly related to the practice of the specific occupation)																									
MODULES												2	3	4	5	6	9	10	13	14	17	19	21	25	13
FIRST-LEVEL OCCUPATIONAL OBJECTIVES												B	S	S	B	B	B	B	B	B	B	B	B	B	
DURATION												45	30	30	90	60	45	45	60	30	60	30	45	6	585
1	Determine their suitability for the trade and the training process	S	30	r	r		r		r			TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	
7	Milk cows and control milk quality	B	45	p	p	p	p	p	p	p	p	~	TM		~	~	TM	~							
8	Apply health care for dairy cows	B	60	p	p	p	p	p	r	p	r	~	TM	~	TM	~	TM	TM		TM					
11	Apply a reproduction and improvement program for dairy cattle	B	45	p	r	r	p	r	r	p	r	TM	TM	TM	TM	~	~	TM			~				
12	Apply a feeding program for dairy cattle	B	45	p	p	p	p	p	r	p	p	~	TM	~	~	~	TM	~			~				
15	Prepare the soil	B	60	p	p	p	p	p	p	p	p	~	TM	~	TM				TM	TM	~		TM	TM	
16	Harvest, conditions, and store crop production	B	45	p	p	p	p	p	r	p	r	~	TM	TM	~	TM		TM	~	TM					
18	Plant a crop	B	45	p	p	p	p	r	r	p	r	TM	TM	~	~			TM	TM	~					
20	Maintain a crop	B	30	p	p	p	p	p	r	p	r	TM	TM	~	TM				~	~					
22	Do maintenance and minor repairs of tools and machinery	B	60	p	p	p	p	p	r	r	r	~	TM		TM					TM			~		
23	Do periodic maintenance of tractors	B	60	p	p	p	p	p	r	p	r	~	TM		TM								~		
24	Do regular maintenance of buildings	B	45	p	p	p	p	p	r	r	r	~	TM		TM								TM		
26	Be introduced to the practice of the trade	S	45	r	r	r	r	r	r	r	r	TM	~	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	~	
27	Enter the work force	S	45	r	r	r	r	r	r	r	r	TM	~	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	~	
NUMBER OF OBJECTIVES		14																							27
DURATION (IN HOURS)			660																						1245

S : Situation objective  
B : Behavioural objective

Correlation between a step and a specific competency  
Correlation to be taught and evaluated  
Correlation between a general and a specific competency  
Correlation to be taught and evaluated

## MODULE 14 : SAFE USE OF PESTICIDES

CODE: 721 142

Duration : 30 hours

### FIRST-LEVEL OPERATIONAL OBJECTIVE

#### BEHAVIOURAL OBJECTIVE

##### EXPECTED BEHAVIOUR

To demonstrate the required competency, the students must use pesticides safely and rationally in accordance with the following conditions, criterias and specifications.

##### CONDITIONS FOR PERFORMANCE EVALUATION

- Working individually
- Using:
  - o pesticides
  - o the required tools and equipment
- Consulting the recommendations of pesticides makers
- Using cases specific to the trade
- In accordance with the laws and regulations on environmental protection and pesticides

##### GENERAL PERFORMANCE CRITERIA

- Observance of environmental protection laws and regulations
- Observance of standards for the safe, rational use of pesticides
- Wearing of protective clothing and a mask
- Precise calibration of instruments
- Precision of the concentration of the product to be applied
- Appropriate solutions and actions when doing case studies
- Constant attention to environmental protection





*Éducation*

Québec 