



# Dairy Grazier

Youth Apprenticeship

## DAIRY GRAZIER

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Dairy Grazier youth apprentices gain skills related to the use of managed pastures and sustainable farming practices, managing livestock herds, grazing and milking. Apprentices must adhere to industry safety and security standards.

**Length of Apprenticeship:** One Year. Youth apprentices must have completed Animal Fundamentals prior to beginning this youth apprenticeship

## COMPETENCIES

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Dairy Grazier youth apprentices must complete a **total of 13** competencies, **12** from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. Substitutions must be added to the competency list for assessment. *Note: The successful completion of Animal Fundamentals is required prior to starting this pathway.*

Dairy Grazier Competencies
<ol style="list-style-type: none"><li>1. Handle animals in a herd</li><li>2. Observe animal health in herd</li><li>3. Manage milk operations</li><li>4. Follow strategies to optimize the amount of food that comes from the pasture</li><li>5. Develop a plan to extend grazing season</li><li>6. Establish pasture production volume</li><li>7. Select plants, grasses, and legumes, etc.</li><li>8. Manage break of grass</li><li>9. Fertilize pastures based on soil nutritional needs</li><li>10. Identify pasture plants and weeds</li><li>11. Assess soil needs based on the types and conditions</li><li>12. Maintain soil conditions and fertility</li><li>13. Follow holistic goal setting and planning practices</li></ol>

## REGISTERED APPRENTICESHIP BRIDGING OPPORTUNITIES

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Some of the related instruction courses can bridge into the following registered apprenticeship:

- Dairy Grazier

## POST-SECONDARY PATHWAY OPPORTUNITIES

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There are several post-secondary pathway opportunities in this area. The following is a partial list.

- Agribusiness – Livestock Technical Diploma
- Agronomy Technician
- Animal Science Technician



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## ON-THE-JOB LEARNING PERFORMANCE STANDARDS GUIDE

### YOUTH APPRENTICE INFORMATION

<b>Youth Apprentice Name</b>	
<b>YA Coordinator</b>	<b>YA Consortium</b>
<b>School District</b>	<b>High School Graduation Date</b>

### REQUIREMENTS

#### Requirements

Youth Apprentices must complete ALL the items listed below. Check completed areas.

- Competency checklist
- Employability Skills checklist (in this job book) or the DPI Employability Skills Certificate
- Related instruction equal to 1 high school credit or at least 3 college credits
- Minimum of 450 work hours

### HOURS

Record the hours the youth apprentice worked.

<b>Total Hours Employed</b>	<b>Company Name</b>	<b>Telephone Number</b>

## COMPETENCIES

Dairy Grazier youth apprentices must complete a **total of 13** competencies, **12** from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. Substitutions must be added to the competency list for assessment. *Note: The successful completion of Animal Fundamentals is required prior to starting this pathway.*

### Rating Scale

- 3: Exceeds entry level criteria | Requires minimal supervision | Consistently displays this behavior  
 2: Meets entry level criteria | Requires some supervision | Often displays this behavior  
 1: Needs improvement | Requires much assistance and supervision | Rarely displays this behavior

### DAIRY GRAZIER

Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
	1	2	3
<b>1. Handle animals in a herd</b> <ul style="list-style-type: none"> <li>remain calm around animals</li> <li>retain appropriate flight zones</li> <li>use proper equipment to herd animals</li> <li>encourage animals to move forward</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Observe animal health in herd</b> <ul style="list-style-type: none"> <li>notice overall animal health</li> <li>assess overall animal wellness</li> <li>indicate animal stage in the breeding cycle</li> <li>examine needs of calves</li> <li>note animal behavior in herd</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3. Manage milk operations</b> <ul style="list-style-type: none"> <li>prepare cattle for milking</li> <li>use appropriate milking techniques</li> <li>follow proper animal cleaning procedures</li> <li>observe potential abnormalities in utters or milk</li> <li>handle cow in stanchion/parlor</li> <li>recognize when milking is complete</li> <li>perform basic milk testing</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4. Follow strategies to optimize the amount of food that comes from the pasture</b> <ul style="list-style-type: none"> <li>identify number and age of cows</li> <li>identify farm stocking rate</li> <li>assess farmland base and grazing practices</li> <li>identify seasonable variabilities</li> <li>identify supplement feeding options</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
	1	2	3
<b>5. Develop a plan to extend grazing season</b> <ul style="list-style-type: none"> <li>• identify fertilization needs</li> <li>• identify supplementation</li> <li>• identify stockpiling</li> <li>• describe grazing patterns</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>6. Establish pasture production volume</b> <ul style="list-style-type: none"> <li>• measures the amount of forage in the paddocks</li> <li>• develop a grazing wedge based upon a pasture ranking system</li> <li>• apply the wedge</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7. Select plants, grasses, and legumes, etc.</b> <ul style="list-style-type: none"> <li>• identify nutritional needs of herd</li> <li>• identify plants based on benefits</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>8. Manage break of grass</b> <ul style="list-style-type: none"> <li>• allow cattle access for appropriate length of time</li> <li>• set up fences at appropriate intervals</li> <li>• determine if conditions allow grazing</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>9. Fertilize pastures based on soil nutritional needs</b> <ul style="list-style-type: none"> <li>• take soil and plant samples</li> <li>• review results of soil and plant tests</li> <li>• assess lab recommendations</li> <li>• select fertilizer options</li> <li>• apply fertilizer and/or manure with proper procedures</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>10. Identify pasture plants and weeds</b> <ul style="list-style-type: none"> <li>• identify pasture grasses</li> <li>• identify pasture legumes</li> <li>• identify pasture weeds</li> <li>• describe lifecycle of plants and weeds</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>11. Assess soil needs based on the types and conditions</b> <ul style="list-style-type: none"> <li>• identify soil types</li> <li>• identify soil characteristics</li> <li>• describe field variations</li> <li>• identify crop stress on soils</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>12. Maintain soil conditions and fertility</b> <ul style="list-style-type: none"> <li>• perform soil sample in different areas</li> <li>• assess crop nutrient removal rate</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating		
	1	2	3
<b>13. Follow holistic goal setting and planning practices</b> <ul style="list-style-type: none"> <li>• review farm records</li> <li>• identify applicable holistic practices</li> <li>• contribute to farm planning using holistic practices</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Competency Substitute</b> (if you replaced a competency above, note the competency and rating)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b>			

## RELATED INSTRUCTION

Indicate which related instruction courses the youth apprentice completed:

Course Title	Credits	Location