



**ONTARIO COLLEGE OF TRADES**  

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**ORDRE DES MÉTIERS DE L'ONTARIO**

Apprenticeship  
Training Standard

Schedule of Training

Agriculture – Swine  
Hersperson

Trade Code: 640S

Development Date: August 2000

## NOTICE OF COLLECTION OF PERSONAL INFORMATION

1. At any time during your apprenticeship training, you may be required to show this training standard to the Ministry of Training, Colleges and Universities (the Ministry). You will be required to disclose the signed Apprenticeship Completion form to the Ministry in order to complete your program. The Ministry will use your personal information to administer and finance Ontario's apprenticeship training system, including confirming your completion and issuing your certificate of apprenticeship.
2. The Ministry will disclose information about your program completion and your certificate of apprenticeship to the Ontario College of Trades, as it is necessary for the College to carry out its responsibilities.
3. Your personal information is collected, used and disclosed by the Ministry under the authority of the Ontario College of Trades and Apprenticeship Act, 2009.
4. Questions about the collection, use and disclosure of your personal information by the Ministry may be addressed to the:

Manager, Employment Ontario Contact Centre  
Ministry of Training, Colleges and Universities  
33 Bloor St. E, 2nd floor, Toronto, Ontario M7A 2S3  
Toll-free: 1-800-387-5656; Toronto: 416-326-5656  
TTY: 1-866-533-6339 or 416-325-4084.

Please Note: Apprenticeship Training and Curriculum Standards were developed by the Ministry of Training, Colleges and Universities (MTCU). As of April 8th, 2013, the Ontario College of Trades (College) has become responsible for the development and maintenance of these standards. The College is carrying over existing standards without any changes.

However, because the Apprenticeship Training and Curriculum Standards documents were developed under either the Trades Qualification and Apprenticeship Act (TQAA) or the Apprenticeship and Certification Act, 1998 (ACA), the definitions contained in these documents may no longer be accurate and may not be reflective of the Ontario College of Trades and Apprenticeship Act, 2009 (OCTAA) as the new trades legislation in the province. The College will update these definitions in the future.

Meanwhile, please refer to the College's website (<http://www.collegeoftrades.ca>) for the most accurate and up-to-date information about the College. For information on OCTAA and its regulations, please visit: <http://www.collegeoftrades.ca/about/legislation-and-regulations>



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**A. Description/Duties**

**Agriculture-Swine Herdsperson performs the following duties:**

- \* Reads and interprets Code of Practices, Swine Canadian Quality Assurance procedures, Agriculture Safety Audit Procedures, and veterinarian recommendations/prescriptions.
- \* Performs herd health and comfort maintenance.
- \* Performs breeding/gestation procedures
- \* Performs farrowing procedures.
- \* Manages nursery stock
- \* Performs manure management procedures
- \* Operates and maintains farm systems, vehicles, and equipment
- \* Operates and maintains farm mechanical equipment.

**Is knowledgeable in:**

- Occupational Health and Safety Act
- Farm Safety Audit Practices
- Chemical Hazards and Hazardous materials
- Government Regulations
- Environmental legislation and protocols
- Code of Practices

**Benchmark/Guidelines Total Training Time Frames  
(On-The-Job and In-School) (Minimum/Maximum):**

**4,000 - 5,000 hours**

**Company/Sector/IAC Name:**

**Originating PDSU/TC/IAC**

**Date**

**District Manager/PDSU Manager**

**Date**

**HEAD OFFICE USE**

**Program Standards Approval**

By \_\_\_\_\_

Date \_\_\_\_\_

**Director's Approval**

By \_\_\_\_\_

Date \_\_\_\_\_

**Assigned  
Trade Code**

**640S**



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING:**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b>640S.1.0</b>	<b><u>PROTECT SELF AND OTHERS</u></b>
<b>640S.1.1</b>	<b>Identify health and safety hazards in the workplace;</b> so that the potential for personal injury, damage to equipment, vehicles and the environment is reduced; corrective action as defined in government legislation or farm policies is taken; and hazards are reported.
<b>640S.1.2</b>	<b>Wear, adjust, and maintain personal protective equipment</b> including eye, ear, hand, head, foot, and respiratory protectors, to ensure correct fit and optimum protection to the wearer for the task being performed, in compliance with farm standards/practices and the <u>Agriculture Safety Audit Procedures</u> .
<b>640S.1.3</b>	<b>Practise good housekeeping</b> in the workplace by: cleaning up spills or leaks; keeping work area clean and clear of obstructions; and storing tools and equipment; so that the potential for accident or injury is reduced, and tools or equipment are in place and available; in compliance with farm standards/practices and <u>ASAP</u> recommendations.
<b>640S.1.4</b>	<b>Follow farm fire procedures</b> by: locating and assessing the severity of the fire; taking appropriate action including suppressing minor fire, sounding the alarm, using fire extinguisher, and evacuating animals; in accordance with <u>ASAP</u> recommendations and farm standards/practices
<b>640S.1.5</b>	<b>Follow power failure procedures</b> by taking appropriate action including using stand-by generator systems and/or using alternative procedures so that in the event of power failure, backup power is restored immediately with no injury or damage to animals or equipment, in accordance with <u>ASAP</u> recommendations and farm standards/practices.
<b>640S.1.6</b>	<b>Demonstrate safe work habits</b> working around pigs, farmstead, and farm equipment by: doing a daily check of farm yard and buildings; staying outside guards and barricades; wearing appropriate clothing (not loose or torn); confining long hair; removing jewellery; no substance abuse; handling boards safely; and, ensuring that others are safely away from moving and operating equipment or cattle; in accordance with <u>ASAP</u> recommendations and farm standards/practices.
<b>640S.1.7</b>	<b>Work safely around people</b> by recognizing danger zones around moving equipment, animals, vehicles, silos, and buildings, ensuring that safe distances are kept between self, others, and equipment during all farm operations in accordance with farm standards/practices and <u>ASAP</u> recommendations.

**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (cont'd):**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.1.0</u></b>	<b><u>PROTECT SELF AND OTHERS</u></b>
<b>640S.1.8</b>	<b>Conduct pre-operational check of farm equipment</b> by: carrying out a circle check; checking that all moving parts are operational and functioning; identifying and reporting equipment that is unsafe or inoperable; and, ensuring that guards and safety devices are in place, secured, and not damaged; in compliance with farm standards/practices and <u>ASAP</u> recommendations.
<b>640S.1.9</b>	<b>Report injuries</b> to supervisor, ensuring that the injured person is attended to, and that all information describing how incident occurred is reported precisely and accurately, so that future recurrence of similar accidents is prevented.
<b>640S.1.10</b>	<b>Help in the completion of written safety and injury reports</b> by following farm procedures and applicable safety acts and regulations, ensuring that all information collected for legal or insurance forms is accurately recorded with required deadlines.
<b>640S.1.11</b>	<b>Follow farm standards/practices for applying first aid</b> to treat conditions including sudden illnesses, burns, cuts, abrasions, sprains, chemical inhalations, and contaminants in eyes, so that the condition of the victim is stabilized and prepared for further first aid treatment.
<b>640S.1.12</b>	<b>Lock out and tag mechanical equipment</b> , by shutting down machine or material handling process, so that no materials can enter the equipment being repaired or maintained, and that no damage or injury is caused to the operator or machine, in accordance with farm standards/practices and <u>ASAP</u> recommendations.
<b>640S.1.13</b>	<b>Handle designated chemicals and cleaning substances</b> using specified handling and storage equipment, so that the operator is protected from injury, the environment from contamination, and procedures are followed in compliance with <u>Workplace Hazardous Materials Information System (WHMIS)</u> .
<b>640S.1.14</b>	<b>Handle designated chemicals and cleaning substances</b> using specified handling and storage equipment, so that the operator is protected from injury, the environment from contamination, and procedures are followed in compliance with <u>Workplace Hazardous Materials Information System (WHMIS)</u> .
<b>640S.1.15</b>	<b>Handle general pesticides</b> using specified handling and storage equipment, so that operator is protected from injury, the environment from contamination, and procedures are followed in compliance with environmental protocols, government regulations, <u>ASAP</u> recommendations, and farm standards/practices



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (CONTINUED)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)				
<b><u>640S.1.0</u></b>	<b><u>PROTECT SELF AND OTHERS (cont'd)</u></b>				
<b>640S.1.16</b>	<b>Handle animal drugs and medications</b> using specified handling, administering, and storage procedures, ensuring that each drug or medication is correctly administered, discarded, stored, and documented, in accordance with veterinarian prescriptions, <u>ASAP</u> recommendations, and farm standards/practices.				
<b>640S.1.17</b>	<b>Work around silo and manure gases</b> by following farm procedures and <u>ASAP</u> recommendations and checking ventilation, to ensure that the operator is protected from injury and the environment is protected from contamination.				
<b>640S.1.18</b>	<b>Follow farm biosecurity and rodent control procedures</b> to ensure that workers and pigs are protected from injury or disease, and farm equipment is protected from contamination, in accordance with <u>ASAP</u> recommendations, government regulations, and farm standards/practices.				
<b>640S.1.19</b>	<b>Operate farm vehicles</b> by: demonstrating safe working habits when working around gasoline, diesel, propane, or natural gas powered vehicles; checking and reporting damaged or defective components/parts in the braking, steering, exhaust, fuel and suspension systems; and, operating vehicles safely, so that vehicle damage and personal injury is prevented, in accordance with legal or government regulations and farm standards/practices.				
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**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (CONTINUED)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.2.0</u></b>	<b><u>PERFORM HERD HEALTH AND COMFORT MAINTENANCE</u></b>
<b>640S.2.1</b>	<b>Identify and administer treatment for Down/Off-Feed animals</b> by following required procedures including: checking ears, sunken eyes, abnormal muscle response, abnormal stools, laboured breathing or thumping, and abnormal uterine discharge; taking rectal temperature of animals; isolating pigs for treatment; administering approved medications and/or treatments; maintaining biosecurity of area; and, completing required records; so that the animal returns to eating normally and body temperature is within normal ranges, in accordance with veterinarian recommendations and farm standards/practices.
<b>640S.2.2</b>	<b>Identify and administer treatment for Down/Off-Feed animals</b> by following required procedures including: checking ears, sunken eyes, abnormal muscle response, abnormal stools, laboured breathing or thumping, and abnormal uterine discharge; taking rectal temperature of animals; isolating pigs for treatment; administering approved medications and/or treatments; maintaining biosecurity of area; and, completing required records; so that the animal returns to eating normally and body temperature is within normal ranges, in accordance with veterinarian recommendations and farm standards/practices.
<b>640S.2.3</b>	<b>Identify and administer treatment for mobility problems</b> by following required procedures including: checking for lameness, ulceration, cuts, and bruises; checking for swelling of joints, laminitis, and abnormal body conditions; observing pecking order; checking physical environment of the barn for slippery floors, stall/pen size, and condition of bedding; applying required treatments or taking corrective actions; and, completing required records; so that the animal is moving freely, safely, and symptom free; in accordance with veterinarian recommendations and farm standards/practices
<b>640S.2.4</b>	<b>Identify and administer treatment for respiratory problems</b> by following required procedures including: checking body temperature; checking for abnormal breathing or nose discharge; checking whether animal is off-feed; checking previous illness history; checking for abnormal respiratory coughing or thumping; checking for abnormal condition of hair and colour of skin; checking physical environment of the barn for excessive or inadequate temperature, humidity, dust, or gases; applying required treatments; taking corrective actions; and, completing required records; so that the animal's body temperature is within normal ranges, breathing is clear and normal, and feed intakes are restored, in accordance with veterinarian recommendations and farm standards/practices.
<b>640S.2.4</b>	<b>Identify and administer treatment for abnormal skin conditions</b> including lice, mange, lesions, abnormal skin colour by: applying approved treatments or medications; treating irritations, infections, or lesions; and, completing required records; so that the skin is restored to normal, in accordance with veterinarian recommendations and farm standards/practices.

**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (CONTINUED)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)						
<b><u>640S.2.0</u></b>	<b><u>PERFORM HERD HEALTH AND COMFORT MAINTENANCE cont'd</u></b>						
<b>640S.2.6</b>	<b>Maintain barn physical environment</b> by: checking barn air quality, smell, temperatures, humidity levels, and gas levels; checking that fans and air intakes are operational and functioning; making necessary repairs and adjustments; and, completing required records; so that the air quality and temperatures are maintained in accordance with farm standards/practices.						
<b>640S.2.7</b>	<b>Monitor feeding conditions</b> by: checking for low or variable feed intakes, changes, or abnormalities in feed and water; checking for abnormal manure and urine outputs and smells; making necessary seasonal or environmental adjustments; completing required records; and, ensuring that recommended feed intakes are maintained for herd health and maximum productivity; in accordance with feed sheets, feeding guides, and farm standards/practices.						
<b>640S.2.8</b>	<b>Maintain water conditions</b> by: checking flow outputs of nipples, bowls and troughs; observing animal behaviour and feed variables; checking water intakes; and, making required adjustments to system valves, filters, piping, sprinklers, spray mists, water drippers, evaporator cooling systems, and pumps, to ensure that water quality is maintained and is flowing cleanly and freely, as specified in feeding guides, nutritionist's recommendations, and farm standards/practices.						
<b>640S.2.9</b>	<b>Medicate feed and water</b> by: adding, mixing required, and sequencing medications; checking that correct amounts and types of medication are added to feed and water; checking withdrawal times; ensuring that medicated feed and water is given only to sick pigs; and, completing required records or documents clearly, accurately, and concisely; so that medicated feeds are handled and moved safely and medicated feed does not contaminate other feeds; as specified by veterinarian prescriptions, <u>ASAP</u> recommendations, and farm standards/practices						
<b>640S.2.10</b>	<b>Handle routine herd health procedures</b> by: processing piglets, castrating; hoof trimming; vaccinating; completing identification (ear tags, notching, tattooing); observing animal behaviours; checking structural soundness of animal; giving assistance with birthing process and herd health visits; completing required records; documenting veterinarian recommendations; and, checking that each procedure is completed correctly and safely; in accordance with veterinarian recommendations and farm standards/practices.						
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**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (CONTINUED)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.3.0</u></b>	<b><u>PERFORM BREEDING/GESTATION PROCEDURES</u></b>
<b>640S.3.1</b>	<b>Plan and prepare for breeding/gestation</b> by reading and interpreting barn flow/farm logistics, breeding fact sheets, farm demographics/objectives, farm data, and flow patterns to identify goals, targets, locations, feeding information, animal comfort requirements, space size, labour utilization, biosecurity and rodent control procedures, and any other information needed, so that the breeding plan is identified and documented, to ensure efficient, effective, and safely breeding/gestation process, in accordance with farm standards/practices.
<b>640S.3.2</b>	<b>Maintain sow/boar feeding process</b> by following required procedures including: identifying type of feed and feed additives for each stage; checking and identifying body conditions; checking, preparing, weighing, and measuring feed; identifying type, amount, and application of medication; determining individual sow/boar feeding quantities; determining amount of water; monitoring feed and water intake; recording feeding habits; and, preparing feed orders and maintaining inventories; so that sows/boars are contented and relaxed, and each animal is eating the recommended rations of feed and water, as specified in feeding guides, nutritionist's recommendations, and farm standards/practices.
<b>640S.3.3</b>	<b>Prepare breeding/gestation area</b> by: cleaning; sweeping; applying disinfecting solution; checking ventilation; checking penning and flooring; and, repairing or replacing damaged or defective areas; so that area is clean, dry, warm, and ready for gestation; in accordance with farm standards/practices.
<b>640S.3.4</b>	<b>Select replacement stock</b> using past performance records to identify suitable sows or boars, so that a replacement plan is identified, matings are recorded, and breeding is maintained, in accordance with farm standards/practices.
<b>640S.3.5</b>	<b>Select sows for breeding</b> by following required procedures including: reading and interpreting farm records, documents, and vaccination history; identifying parity, pen or barn location, and flow patterns; observing animal behaviours; performing heat detection procedures; and, completing animal identification; so that suitable sows for breeding are identified, selected, classified, and documented, in accordance with farm standards/practices.
<b>640S.3.6</b>	<b>Select gilts/boars for breeding</b> by following required procedures including: reading and interpreting farm records and documents; identifying pen or barn location and flow patterns; checking gilt for heat detection, age, and weight; observing animal behaviours; and, completing animal identification; so that suitable gilts for breeding are identified, selected, classified, and documented, in accordance with farm standards/practices

**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (CONTINUED)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.3.0</u></b>	<b><u>PERFORM BREEDING/GESTATION PROCEDURES</u></b> cont'd
<b>640S.3.7</b>	<b>Introduce gilts/boars to herd</b> by following required procedures including: reading and interpreting farm records; acclimatizing gilt/boar; checking gilt/boar for heat detection; vaccinating; de-worming; observing animal behaviours; identifying feeding habits; performing stimulation process; and, culling; so that the gilts/boars are incorporated into the herd safely, effectively and efficiently, in accordance with farm standards/practices
<b>640S.3.8</b>	<b>Complete artificial breeding process</b> by following required procedures including: reading and interpreting farm records; culling unproductive sows; preparing semen; identifying timing of breeding; following A.I. mating practices; checking semen quality; handling and storing semen; disposing equipment; and, completing documents and records; so that the artificial breeding process is completed efficiently, effectively, and safely, in accordance with farm standards/practices.
<b>640S.3.9</b>	<b>Complete natural breeding process</b> by following required procedures including: reading and interpreting farm records; culling unproductive sows; identifying boar usage and number of previous breedings; identifying timing of breeding; handling and assisting in mating; and, recording the number, identification, and quality of breedings; so that the natural breeding process is completed efficiently, effectively, and safely, in accordance with farm standards/practices.
<b>640S.3.10</b>	<b>Confirm pregnancy</b> by: performing a 21 day heat check; performing a 28-30 day pregnancy check; performing subsequent pregnancy tests; identifying non-pregnant animals; determining non-pregnancy options; performing re-breeding or culling; and, completing documents and records; in accordance with farm standards/practices.
<b>640S.3.11</b>	<b>Maintain animal welfare</b> by: maintaining and cleaning breeding/gestation locations; checking and adjusting air quality and heating or cooling system; observing animal behaviour during the breeding/gestation process; identifying unhealthy or disabled animals; and, taking corrective actions; so that animals are kept clean, dry, and warm, in accordance with government regulations, veterinarian recommendations, and farm standards/practices.

**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (CONTINUED)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)						
<b><u>640S.3.0</u></b>	<b><u>PERFORM BREEDING/GESTATION PROCEDURES</u></b> cont'd						
<b>640S.3.12</b>	<b>Maintain boar comfort</b> by: identifying and recording animal identification, breed, age, and conformation; feeding according to age, size, and body condition; preparing feed rations; vaccinating; observing and monitoring animal behaviour and health; administering recommended treatments or medications; tracking and recording boar usage; and, culling; so that the boar is kept comfortable and healthy for maximum breeding performance, in accordance with veterinarian recommendations and farm standards/practices.						
<b>640S.3.13</b>	<b>Complete breeding/gestation documentation</b> to record: gilt/boar identification; locations; heat, no-service sows; artificial or natural breeding/mating; heat check results; relocation; pre-farrowing vaccinations; worming schedule; body condition or scoring; treatments; animal health and behaviours; re-breeding information; boar usage; semen information; feed intake adjustments; and, targets; ensuring that all breeding/gestation data is recorded accurately and clearly, in accordance with farm standards/practices.						
<b>640S.3.14</b>	<b>Communicate with co-workers</b> to identify previously completed procedures, availability of feed, medications, tools, machinery, or equipment, inventories, labour requirements, and any other information needed to complete the breeding/gestation process, ensuring that both written and verbal information communicated is clear, concise, and accurate.						
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**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (CONTINUED)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.4.0</u></b>	<b><u>PERFORM FARROWING PROCEDURES</u></b>
<b>640S.4.1</b>	<b>Plan and prepare for farrowing process</b> by reading and interpreting farm records to identify goals, targets, location, farrowing protocols, labour requirements, feeding information, number of required farrowing spaces, number of pigs to be weaned, procedures for maintaining the biosecurity and rodent control of the farrowing location, and any other information needed to plan and prepare to ensure that the flow-through is maintained and farrowing is completed efficiently, effectively, and safely, in accordance with farm standards/practices.
<b>640S.4.2</b>	<b>Identify and locate sows/gilts for farrowing</b> by following required procedures including: reading and interpreting farm records; identifying and selecting sows/gilts ready to farrow; determining batch size; and, moving scheduled sows/gilts to farrowing location; ensuring that sows/gilts are moved and located safely and efficiently, in accordance with farm standards/practices.
<b>640S.4.3</b>	<b>Prepare farrowing room and units</b> by: removing solid manure and waste feed; maintaining manure levels; pre-soaking room; cleaning out feeders; preparing equipment for washing; washing entire room and allowing complete drying; disinfecting all surfaces; making adjustments to equipment; maintaining heating levels; and, re-establishing the biosecurity of the farrowing area; so that the farrowing room and units are clean, disinfected, dry, warm, and ready for farrowing, in accordance with farm standards/practices.
<b>640S.4.4</b>	<b>Prepare sows for farrowing</b> by: checking that farrowing area is cleaned and ready; adjusting feeding regime; cleaning sows; following worming schedule; inducing sows; and, disinfecting sow's udder; so that sows are prepared and farrowing, in accordance with farm standards/practices.
<b>640S.4.5</b>	<b>Maintain farrowing feeding process</b> by following required procedures including: identifying type of feed and feed additives; checking and identifying body conditions and scoring; identifying and administering type, amount, and application of medications; determining individual sow feeding quantities; checking, preparing, weighing, and measuring feed; determining amount of water; monitoring feed and water intake; monitoring feed intake curves; recording feeding habits; and, preparing feed orders and maintaining inventories; so that sows are contented and relaxed, and each animal is eating the recommended rations of feed and water, as specified in feeding guides, nutritionist's recommendations, and farm standards/practices.



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Cont'd)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.4.0</u></b>	<b><u>PERFORM FARROWING PROCEDURES</u></b>
<b>640S.4.6</b>	<b>Monitor pre-farrowing process</b> by following required procedures including: maintaining unit temperature, cleanliness, and humidity; checking milk let-down; observing animals for restlessness; checking progression of farrowing process; checking and maintaining feed and water intakes; and, ensuring that unit is adjusted for the size and weight of the sow; so that sows are contented, relaxed, and ready for the farrowing process, in accordance with farm standards/practices.
<b>640S.4.7</b>	<b>Assist in farrowing process</b> by following required procedures including: checking placement of heat source; cross-fostering; monitoring farrowing duration; assisting in farrowing; helping piglets to acquire colostrum; maintaining a clean, dry, and warm environment; and, completing documentation; so that sow comfort is maintained and the farrowing process is completed efficiently, effectively, and safely, in accordance with farm standards/practices.
<b>640S.4.8</b>	<b>Process piglets</b> by following required procedures including: handling and weighing piglets; docking tails; clipping teeth; castrating; administering iron; preparing and administering medications; supplementing low viability piglets; completing piglet identification; euthanizing sub-standard piglets; fostering piglets; using clippers, cauterizing tools, and scalpel blades; and, completing documentation; so that piglets are humanely processed, in accordance with farm standards/practices.
<b>640S.4.9</b>	<b>Maintain farrowing replacement gilts/boars</b> by: identifying the sire and dam; identifying sex of piglets; marking each piglet at birth by tattoos; administering vaccinations or medications to newborn; performing colostrum feeding; observing animal behaviour for stress or illness; maintaining piglet facilities; maintaining bio-security of farrowing location; and, completing documentation; ensuring that all procedures are performed effectively and efficiently to maintain and promote optimum health and growth of the replacement stock, in accordance with farm standards/practices
<b>640S.4.10</b>	<b>Maintain piglets</b> by following required procedures including: introducing creep feed; locating heat source; adjusting heat source; medicating low viability piglets; fostering piglets; observing animal behaviour; monitoring feed and water intake; checking sow lactation, observing mothering ability; and, monitoring air quality and temperature of units; ensuring that piglets are kept clean, dry, and comfortable, in accordance with farm standards/practices.



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)						
<b><u>640S.4.0</u></b>	<b><u>PERFORM FARROWING PROCEDURES</u></b>						
<b>640S.4.11</b>	<b>Wean piglets</b> by following required procedures including: reading and interpreting sow records; identifying and selecting sows ready to be weaned; following vaccination schedule; cross-fostering; split-weaning; weighing piglets; checking and maintaining sow feed and water intake; turning off heat source; removing sow from unit; and, completing sow records; so that weaning process is completed in accordance with farm standards/practices.						
<b>640S.4.12</b>	<b>Complete farrowing documentation</b> to: record piglet information including piglet births, identification, deaths, mummies, birth weight, medications, uniformity, numbers weaned, weaned weight, deformities, and number of cross-fosters; record sow information including sow identification, date farrowed and weaned, parity, behaviour, and milking ability; and, record equipment maintenance or repairs; ensuring that all farrowing data is recorded accurately and clearly in accordance with farm standards/practices.						
<b>640S.4.13</b>	<b>Communicate with co-workers</b> to identify previously completed procedures, availability of feed, medications, tools, machinery, equipment, inventories, labour requirements, and any other information needed to complete the farrowing process, ensuring that both written and verbal information communicated is clear, concise, and accurate.						
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**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Cont'd)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.5.0</u></b>	<b><u>MANAGE NURSERY STOCK</u></b>
<b>640S.5.1</b>	<b>Plan and prepare for the nursery process</b> by reading and interpreting farm records, barn flow/farm logistics, fact sheets, data, flow patterns, and farm demographics to identify goals, targets, growth patterns, nursery protocols, feeding information, space requirements, procedures for maintaining the biosecurity and rodent control of the nursery location, labour requirements, and any other information needed to plan and prepare for nursery flow-through and maintenance of biosecurity, in accordance with farm standards/practices.
<b>640S.5.2</b>	<b>Prepare nursery site</b> by: cleaning and disinfecting area; checking and repairing ventilation, feeders, drinkers, water medicators, and feeding system; pre-heating nursery area; ordering feed and maintaining inventory; identifying and preparing vaccinations and medications; identifying and re-establishing the bio-security of the nursery area; ensuring that the nursery facility is clean, disinfected, dry, warm, and ready for weaners, in accordance with farm standards/practices.
<b>640S.5.3</b>	<b>Handle piglets to and from nursery</b> by: using humane handling methods; weighing and sorting piglets during entry and exit from the nursery; administering vaccination and medication; maintaining bio-security of the nursery; recording locations; and, completing inventories; ensuring that pig flow is maximized and maintained, in accordance with farm standards/practices.
<b>640S.5.4</b>	<b>Maintain nursery feeding process</b> by following required procedures including: identifying type of feed and feed additives; checking and identifying body conditions and scoring; identifying and administering type, amount, and application of medications; checking withdrawal times; determining feed quantities for each stage; checking, preparing, weighing, and measuring feed; determining amount and quality of water; monitoring feed and water intakes; recording feeding habits; preparing feed orders and maintaining inventories; checking and cleaning feeder system; and, making required adjustments to feeder system; so that animals are contented and relaxed, and each animal is eating the recommended rations of feed and water, as specified in feeding guides, nutritionist's recommendations, and farm standards/practices.

**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.5.0</u></b>	<b><u>MANAGE NURSERY STOCK</u></b>
<b>640S.5.5</b>	<b>Maintain nursery pig health and bio-security</b> by: observing animal health and behaviours; monitoring temperatures, humidity, and gases of facility; making requirement adjustments; identifying unhealthy or disabled animals; identifying correct feed rations for each stage; identifying and administering individual and population treatments; euthanizing sub-standard pigs; sorting into recovery pens; treating with prescribed medications and treatments; removing and disposing dead stock; maintaining bio-security; and, completing required documentation; so that the feeder pig health and growth is maximized and mortality rates are minimized, in accordance with farm standards/practices and veterinarian recommendations.
<b>640S.5.6</b>	<b>Maintain nursery replacement gilts/boars</b> by: identifying gilts/boars to be fed; checking feed sheets and/or feeding guides; identifying correct feed rations for each stage and weight; regularly assessing body condition; checking and treating for external parasites; observing animal behaviour; determining breeding, size, and age; following selection and culling criteria; and, completing required documentation; ensuring that all procedures are performed to maintain and promote the optimum growth and health of the gilt/boar, in accordance with farm standards/practices, nutritionist's, veterinarian recommendations, and published guidelines.
<b>640S.5.7</b>	<b>Maintain nursery location</b> by following required procedures including: checking and cleaning heaters; removing solid manure and left-over feed; cleaning out feeders; preparing equipment for washing; pre-soaking nursery; washing entire room with pressure equipment and allowing complete drying; dis-infecting all surfaces; making adjustments to equipment; pre-heating before re-filling nursery; maintaining manure levels; and, re-establishing the bio-security of the nursery area; so that the nursery area is clean, disinfected, dry, warm, and maintained; in accordance with farm standards/practices.
<b>640S.5.8</b>	<b>Complete nursery documentation</b> to record: group or batch; location; weights; inventories; feed usage at each stage; growth rates at each stage; individual and population treatments; health status; water intakes; targets; mortality rates and causes; and, equipment maintenance or repairs; ensuring that all nursery data is recorded accurately and clearly, in accordance with farm standards/practices.



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)						
<b><u>640S.5.0</u></b>	<b><u>MANAGE NURSERY STOCK</u></b>						
<b>640S.5.9</b>	<p><b>Communicate with co-workers</b> to identify previously completed procedures, availability of feed, medications, tools, machinery, equipment, inventories, labour requirements, and any other information needed to maintain the nursery process, ensuring that both written and verbal information communicated is clear, concise, and accurate.</p>						
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**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.6.0</u></b>	<b><u>PERFORM FINISHING PROCEDURES</u></b>
<b>640S.6.1</b>	<b>Plan and prepare for finishing of hogs</b> by reading and interpreting farm records, barn flow/farm logistics, fact sheets, data, flow patterns, and farm demographics to identify goals, targets, growth patterns, feeding information, space requirements, procedures for maintaining the biosecurity and rodent control of the location, labour requirements, and any other information needed to plan and prepare for the finishing flow-through and maintenance of biosecurity, in accordance with farm standards/practices.
<b>640S.6.2</b>	<b>Prepare finishing site</b> by: cleaning and disinfecting area; checking and repairing ventilation, feeders, drinkers, penning, slats, and feeding system; checking electrical system; making necessary adjustments to heating and ventilation; ordering feed and maintaining feed inventory; maintaining biosecurity and rodent control of area; removing manure; and, preparing treatment tools; so that the finishing area is clean, disinfected, dry, and warm, in accordance with farm standards/practices.
<b>640S.6.3</b>	<b>Maintain finishing area</b> by following required procedures including: checking and cleaning heaters; removing solid manure and left-over feed; cleaning out feeders; preparing equipment for washing; pre-soaking finishing area; washing entire area with pressure equipment and allowing complete drying; dis-infecting all surfaces; making adjustments to equipment; pre-heating before re-filling finishing area; maintaining manure levels; and, re-establishing the biosecurity of the finishing area; so that the finishing area is clean, disinfected, dry, warm, and maintained, in accordance with farm standards/practices.
<b>640S.6.4</b>	<b>Maintain grower/finisher health and biosecurity</b> by: observing animal health and behaviours; monitoring temperatures, humidity, and gases of facility; making adjustments to ventilation and heating; identifying unhealthy or disabled animals; identifying correct feed rations for each stage; identify and administering individual and population treatments; euthanizing sub-standard pigs; sorting into recovery pens; treating with prescribed medications and treatments; removing and disposing dead stock; checking and maintaining space requirements; maintaining biosecurity and rodent control; and, completing required documentation; so that health and growth is maximized and mortality rates are minimized, in accordance with farm standards/practices and veterinarian recommendations

**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.6.0</u></b>	<b><u>PERFORM FINISHING PROCEDURES</u></b>
<b>640S.6.5</b>	<b>Maintain finisher/grower feeding process</b> by following required procedures including: identifying type of feed and feed additives; checking and identifying body conditions; sequencing and administering feed with feed medications and withdrawals; determining feeding quantities for each stage, size, and weight; checking, preparing, weighing, and measuring feed; determining amount and quality of water; monitoring feed and water quality and intakes; recording feeding habits; preparing feed orders and maintaining inventories; checking and cleaning feeders and feeder system; and, making required adjustments to feeder system; so that each animal is using the recommended rations of feed and amounts of water required for maximum growth and optimum health, as specified in feeding guides, nutritionist's recommendations, and farm standards/practices.
<b>640S.6.6</b>	<b>Handle growers to and from finishing area</b> by: using humane handling methods; weighing and sorting pigs, maintaining lighting and ventilation; maintaining biosecurity and rodent control; putting down bedding in vehicles; moving pigs using vehicles, loading docks, boards, and gates; and, recording information; ensuring that pig flow is maximized and maintained, in accordance with farm standards/practices.
<b>640S.6.7</b>	<b>Maintain finisher/grower replacement gilts/boars</b> by: identifying gilts/boars to be fed; checking feed sheets and/or feeding guides; identifying correct feed rations for each stage and weight; regularly assessing body condition; checking and treating for external parasites; observing animal behaviour; performing heat detection procedures; determining breeding, size, and age; appraising gilts/boars for conformation; following selection and culling criteria; moving to gilt pool; and, completing required documentation; ensuring that all procedures are performed to maintain and promote the optimum growth and health of the gilt/boar, in accordance with farm standards/practices, nutritionist's, veterinarian recommendations, and published guidelines.



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)						
<b><u>640S.6.0</u></b>	<b><u>PERFORM FINISHING PROCEDURES</u></b>						
<b>640S.6.8</b>	<b>Complete finisher/grower documentation</b> to record: inventory of pigs; unit entry and unit exit information; feed usage at each stage; individual and population medications and treatments; health status; water intakes; number of sick animals; causes of sickness; re-location of sick pigs; market weight and date; barn summary; and, required equipment maintenance or repairs; ensuring that all finisher/grower data is recorded accurately and clearly, in accordance with farm standards/practices.						
<b>640S.6.9</b>	<b>Communicate with co-workers</b> to identify previously completed procedures, availability of feed, medications, tools, machinery, equipment, inventories, labour requirements, and any other information needed to maintain the finisher/grower process, ensuring that both written and verbal information communicated is clear, concise, and accurate.						
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**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)						
<b><u>640S.7.0</u></b>	<b><u>PERFORM MANURE MANAGEMENT PROCEDURES</u></b>						
<b>640S.7.1</b>	<b>Plan and prepare for manure handling procedures</b> by reading and interpreting barn flow/farm logistics, fact sheets, data, flow patterns, and overall farm demographics to identify goals, targets, type and amount of manure treatments, methods for manure removal, disposal, and storage, procedures for maintaining the biosecurity and rodent control, labour requirements, and any other information needed to handle manure and maintain biosecurity, in accordance with farm standards/practices, <u>ASAP</u> , and government.						
<b>640S.7.2</b>	<b>Remove and spread manure</b> by: reading and interpreting nutrient management plan, Ministry of Environment spill guidelines, and contingency plan; checking removal and spreader equipment; making adjustments to equipment; transferring and agitating manure; removing manure; spreading manure; re-establishing biosecurity; and, completing documentation; so that manure is removed and spread in accordance with government regulations, <u>ASAP</u> , and farm standards/practices.						
<b>640S.7.3</b>	<b>Store manure</b> by: reading and interpreting manure management plan, Ministry of Environment guidelines, and contingency plan; checking manure removal equipment; making adjustments to equipment; transferring manure to storage area; re-establishing biosecurity; and, completing documentation; so that manure is stored safely and effectively, in accordance with government regulations, <u>ASAP</u> , and farm standards/practices.						
<b>640S.7.4</b>	<b>Maintain manure handling biosecurity</b> by following required procedures including: checking and cleaning manure removal and spreader equipment; preparing equipment for washing; washing removal and spreader equipment with pressure equipment; dis-infecting all equipment and areas; making adjustments to equipment; maintaining manure levels; and, re-establishing the biosecurity; so that the manure is handled safely, efficiently, and effectively, in accordance with farm standards/practices, <u>ASAP</u> , and government regulations.						
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**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.8.0</u></b>	<b><u>OPERATE &amp; MAINTAIN FARM SYSTEMS, VEHICLES, AND EQUIPMENT</u></b>
<b>640S.8.1</b>	<b>Operate and maintain watering system</b> by following required procedures including: identifying location of water shut-offs; cleaning water bowls and troughs; checking sprinklers and drippers; checking nipples for efficient operation and flow rates; checking for leakage; repairing leaks; inspecting and cleaning water filters; identifying and reporting worn, damaged, or defective parts; adjusting/setting water pumps; and, maintaining biosecurity; so that fresh, medicated, and quality water is flowing consistently and efficiently, as specified in manufacturer's recommendations and farm standards/practices.
<b>640S.8.2</b>	<b>Operate and maintain manure removal equipment</b> by following required procedures including: performing circle check; checking moving parts; cleaning parts and equipment; oiling and greasing moving parts; identifying and reporting worn, damaged, and defective parts; and, maintaining farm biosecurity; so that the manure removal system operates effectively, efficiently, and safely in accordance with manufacturer's recommendations, farm standards/practices, and <u>Agriculture Safety Audit Program (ASAP)</u> recommendations.
<b>640S.8.3</b>	<b>Operate and maintain barn electrical system</b> by following required procedures including: identifying and locating power supply, main switch, and fuse/breaker panels; replacing light bulbs; cleaning dirt and dust from electrical equipment; identifying and reporting defective or burned out motors; keeping all electrical equipment free from moisture; turning off power when lights and motors are not in use; and, maintaining farm biosecurity; so that the electrical system and components operate effectively, efficiently, and safely, in accordance with manufacturer's specifications, farm standards/practices, and <u>ASAP</u> recommendations.
<b>640S.8.4</b>	<b>Operate and maintain ventilation and heating system</b> by following required procedures including: cleaning and inspecting fan motors, blades, and housing; checking all baffles, curtains, and controls; identifying and reporting damaged, worn, or defective parts; preparing inventory requests for replacement parts, motors, and fan blades; completing maintenance records; and, maintaining farm biosecurity; so that the ventilation and heating system are operating effectively, efficiently, and safely, in accordance with manufacturer's specifications, farm standards/practices, and <u>ASAP</u> recommendations.



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)
<b><u>640S.8.0</u></b>	<b><u>OPERATE &amp; MAINTAIN FARM SYSTEMS, VEHICLES, AND EQUIPMENT</u></b> (cont'd)
<b>640S.8.5</b>	<b>Operate and maintain automatic and manual feeding systems</b> by following required procedures including: oiling and cleaning moving parts; identifying and reporting worn, damaged, or defective belts, chains, and augers; replacing safety guards; checking and adjusting scales, dials, and gauges; calibrating mixer mills; checking and adjusting silo unloaders; preparing inventory requests for parts and components; and, maintaining farm biosecurity; so that the automatic and manual feeding system is operating effectively, efficiently, and safely, in accordance with manufacturer's specifications, farm standards/practices, and <u>ASAP</u> recommendations.
<b>640S.8.6</b>	<b>Operate and maintain farm tractors and accessories</b> by following required procedures including: performing circle check; oiling and greasing moving parts; filling tank with correct fuel; identifying and reporting worn, damaged, or defective parts, components, or systems; adjusting belts and chains; adjusting or changing tires; checking lights, controls, and switches; and, maintaining farm biosecurity; so that the tractor is operating safely and efficiently and no damage or injury is caused to the tractor or the operator, in accordance with government regulations and farm standards/practices.
<b>640S.8.7</b>	<b>Operate and maintain farm vehicles</b> by following required procedures including: oiling and greasing moving parts; filling tank with correct fuel; identifying and reporting worn, damaged, or defective parts, components, and switches; adjusting belts and chains; checking all systems, controls, and switches; changing tires; and, maintaining farm biosecurity; so that the farm vehicles are operated safely and efficiently and no damage or injury is caused to the vehicle or the operator, in accordance with government regulations and farm standards/practices.



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**B. ON-THE-JOB TRAINING (Continued)**

Unit No	PERFORMANCE OBJECTIVES (ON-THE-JOB SKILL SETS)						
<b><u>640S.8.0</u></b>	<b><u>OPERATE &amp; MAINTAIN FARM SYSTEMS, VEHICLES, AND EQUIPMENT (cont'd)</u></b>						
<b>640S.8.8</b>	<b>Operate and maintain silage blowers and grain handling equipment</b> by following required procedures including: oiling and greasing moving parts; checking power source; cleaning and adjusting belts and pulleys; checking all moving parts; identifying and reporting defective, worn, or defective parts and components; checking controls and switches; and, maintaining farm biosecurity; so that the blowers and handling equipment are operated safely and efficiently and no damage or injury is caused to the equipment or the operator, in accordance with manufacturer's recommendations, <u>ASAP</u> recommendations, and farm standards/practices.						
<b>640S.8.9</b>	<b>Operate emergency generators and pressure washing equipment</b> by following required procedures including: oiling and greasing moving parts; checking the power source; making sure that power/fuel is available; checking and cleaning all moving parts; identifying and reporting worn, defective, or damaged parts and components; checking controls and switches; and, maintaining farm biosecurity; so that the emergency generator and pressure washing equipment is operational, functioning, and ready for use, in accordance with manufacturer's recommendations, <u>ASAP</u> recommendations, government regulations, and farm standards/practices.						
<b>640S.8.10</b>	<b>Monitor alarm systems</b> by following required procedures including: testing function of alarm systems; logging findings; monitoring alarm setup and controls; performing shut-down and start-up of system; checking controls and switches; identifying and reporting defective, damaged, or malfunctioning parts and components; and, maintaining farm biosecurity; to ensure that the alarm systems are operational and functioning, in accordance with manufacturer's recommendations, <u>ASAP</u>						
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**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**C. OFF-THE-JOB INSTRUCTIONAL LEARNING OUTCOMES (Continued)**

**Content: (To be written in learning outcomes and benchmark timeframes). On successful completion of in-school (off-the-job) training, the apprentices will demonstrate the ability to:**

**SAFETY 640S - 1**

**The apprentice will have demonstrated the ability to identify workplace health and safety hazards, corrective action requirements and reporting procedures including:**

- maintain a safe farming environment for self and others
- identify and describe workplace health and safety hazards, corrective action requirements and reporting procedures
- wear, adjust, and maintain required personal protective equipment
- maintain a clean and organized lab/classroom environment.
- communicate emergency response procedures
- describe safety procedures following a power failure
- demonstrate safe work habits
- work safely around people.
- inspect equipment for defects and safe working conditions
- procedures to report information about injuries
- describe the process of documenting safety or injury incidences
- standards/procedures to follow if injuries occur
- steps in locking out and tagging mechanical equipment.
- handle, store, and control designated chemicals and cleaning substances
- procedures for operating and inspecting hoisting and lifting equipment
- handle, store, and control general pesticides
- procedures for handling, administering, and storing animal drugs and medication
- procedures for working around silo and manure gases
- procedures for farm biosecurity and rodent control
- inspecting and operating farm vehicles

**HERD HEALTH THEORY AND TECHNIQUES**

**640S - 2**

**The apprentice will have demonstrated the ability to identify, describe, and document herd health maintenance including:**

- describe the symptoms and recommended treatments for Down/Off-Feed animals
- symptoms and recommended treatments for udder infections or injuries
- symptoms and recommended treatments for swine mobility problems
- symptoms and recommended treatments for swine respiratory problems
- symptoms and recommended treatments for abnormal skin conditions
- describe barn physical and environmental factors that affect animal health
- factors that indicate off-feeds or low feed-intake
- factors that affect water conditions and water intakes
- calculate and prepare medications for feed mix and water
- routine herd health procedures



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**C. OFF-THE-JOB INSTRUCTIONAL LEARNING OUTCOMES (Continued)**

**BREEDING/GESTATION THEORY AND TECHNIQUES - 640S - 3**

**The apprentice will have demonstrated the ability to identify, describe, and document breeding/gestation procedures and methods including:**

- plan and prepare for breeding/gestations procedures and methods
- feeding process for sows and boars
- methods and procedures for preparing the breeding/gestation area
- different stock replacement programs
- process for selecting sows for breeding
- process for the introduction and acclimatization of gilts/boar for breeding
- process for artificial breeding
- pregnancy testing process
- procedures for maintaining animal welfare during the breeding/gestation process
- procedures for maintaining boar comfort during the breeding/gestation process
- complete all breeding/gestation documentation
- communicate with others in a clear, concise, and accurate manner

**FARROWING THEORY AND TECHNIQUES 640S - 4**

**The apprentice will have demonstrated the ability to identify, describe, and document farrowing procedures and methods including:**

- plan and prepare for farrowing procedures and methods
- process for selecting sows for farrowing
- methods and procedures for preparing the farrowing room and units
- methods and procedures for preparing sows for farrowing
- factors that indicate feeding amounts and quality during the farrowing process
- describe the pre-farrowing process
- describe the farrowing process and related procedures and practices
- describe the procedures for processing piglets during the farrowing process
- different gilt/boar replacement programs
- describe procedures for maintaining piglet comfort during the farrowing process
- describe weaning procedures
- complete all farrowing documentation
- communicate with others in a clear, concise, and accurate manner



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**C. OFF-THE-JOB INSTRUCTIONAL LEARNING OUTCOMES (Continued)**

**NURSERY STOCK MANAGEMENT THEORIES AND TECHNIQUES 640S - 5**

**The apprentice will have demonstrated the ability to identify, describe, and document procedures and practices for the nursery process including:**

- plan and prepare for breeding/gestations procedures and methods,
- methods and procedures for preparing the nursery area
- methods and procedures for handling piglets to and from nursery area
- feeding process for nursery pig
- maintaining nursery pig health and biosecurity during the nursery stage
- different gilt/boar replacement programs
- maintaining the nursery location
- complete all nursery documentation
- communicate with others in a clear, concise, and accurate manner

**FINISHING PROCESS THEORIES AND TECHNIQUES 640S - 6**

**The apprentice will have demonstrated the ability to identify, describe, and document procedures and practices for the finishing process including:**

- plan and prepare for finishing procedures and methods
- methods and procedures for preparing the finishing site
- maintaining the finishing location
- procedures for maintaining grower/finisher health and biosecurity during the nursery stage
- feeding process for grower/finisher
- methods and procedures for handling growers to and from finishing
- different gilt/boar replacement programs
- complete all grower/finisher documentation
- communicate with others in a clear, concise, and accurate manner

**MANURE MANAGEMENT THEORY AND PROCEDURES 640S - 7**

**The apprentice will have demonstrated the ability to identify and describe procedures for removing, spreading, storing manure, and maintaining manure handling biosecurity including:**

- describe and plan procedures for handling manure
- procedures for removing and spreading manure
- procedures for storing manure
- procedures for maintaining manure handling biosecurity



**SCHEDULE OF TRAINING  
APPRENTICESHIP TRADE**

**AGRICULTURE - SWINE HERDSPERSON - 640S**

**C. OFF-THE-JOB INSTRUCTIONAL LEARNING OUTCOMES (Continued)**

**FARM SYSTEMS, VEHICLES, AND EQUIPMENT THEORY      640D - 8**

**The apprentice will have demonstrated the ability to identify and describe the basic operating and maintenance procedures for farm systems, vehicles, and equipment including:**

- operating principles and maintenance procedures of watering systems
- operating principles and maintenance procedures for manure removal and spreader equipment
- operating principles and maintenance procedures for barn electrical systems
- operating principles and maintenance procedures for heating and ventilation systems
- operating principles and maintenance procedures for automatic and manual feeding systems
- basic operating principles and basic maintenance procedures for farm tractors and accessories including trail-type and three-point hitch equipment
- basic operating principles and basic maintenance procedures for farm vehicles
- basic operating principles and maintenance procedures of silage blowers and components
- basic operating principles and basic maintenance procedures of emergency generators and pressure washing equipment
- basic operating principles and basic maintenance procedures for farm alarm systems

**2. Source & Type (Specify in detail: block or day release; night school; correspondence.**

**Block or day release, night school, part-time, or alternative delivery methods**

**3. Benchmark/Guidelines Time-Frames of In-School/Off-The-Job Learning Outcomes:**

**Basic, Intermediate, Advanced - Total 480 hours theory**

**4. Funding**

**Performance Objectives and Knowledge Learning Outcomes reached:**

**Date:** \_\_\_\_\_

**Sponsor/Trainer/Employer signature:** \_\_\_\_\_

**Apprentice signature:** \_\_\_\_\_

You will be required to disclose this signed form to the Ministry of Training, Colleges and Universities in order to complete your program. The Ministry will use your personal information to administer and finance Ontario's apprenticeship training system.

For further information please see the notice/declaration for collection of personal information that is referenced in the table of contents of this training standard.