

## Apprenticeship Training What Is In it For Me ?

### Green Certificate Trainees are:

- interested in developing or upgrading their skills
- concerned about improving their knowledge
- located where a commercially viable farm is available for training to occur

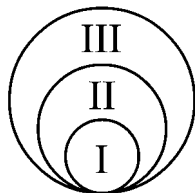
### Green Certificate Trainers are:

- interested in developing their co-workers' skills
- committed to take the time to teach and be a coach
- knowledgeable in the chosen field of expertise

### Employers of Green Certificate Trainees and Graduates are:

- supplying a training site for learning skills and applying knowledge
- ensuring productive work relationships
- managing for optimum profit

Green Certificate Trainees  
receive **Workers'**  
**Compensation**  
insurance  
coverage at  
No Cost



Receive up to 16  
High School Credits

- The Green Certificate Program is recognized by Alberta Learning as two 5-credit training periods, and one 6-credit training period.
- For each of the three training periods (X, Y, Z), the Trainee's progress, ability and knowledge is monitored by their On-Farm Trainer, and assessed by a Green Certificate Regional Tester.
- During each of the three training period's testing events, the Trainee is asked to explain and perform five random skills by the Regional Tester.
- Competence in the training period is achieved when the Regional Tester certifies that the trainee's ability and knowledge meets the industry requirements.
- If the trainee is not successful in any of the five skills, they have the opportunity to return to their training farm, brush up on their skill level, and return to another regional testing event to try again, **without any academic penalty.**

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# Irrigated Crop Technician

## Green Certificate Program

*~ a blend of the interests  
of Trainees, Trainers, and  
Employers to improve the  
overall standard of  
performance in farming ~*



**GREEN CERTIFICATE**  
**LEVEL ONE**

# Certification gives participants valuable skills in:

## Preparing, Fertilizing & Seeding Land

- Demonstrate knowledge of farm's cropping program
- Demonstrate knowledge of farm equipment & truck road regulations
- Follow safe farm vehicle driving regulations
- Safely use basic hand/shop & equipment servicing tools
- Demonstrate knowledge of seeding machines types and technologies
- Handle anhydrous ammonium fertilizer products during application
- Perform farm site seed treatment
- Safely operate, maintain, service & store:
  - farm tractors
  - trucks & tractors with equipment in tow
  - two & three axle farm trucks
  - cultivation implements
  - seeding equipment
  - granular fertilizer applicators
  - grain augers
  - skid, fork, lift & front end loaders
  - trailers, wagons and other equipment

## Crop Care

- Identify signs of weed infestations in fields
- Demonstrate new techniques to minimize introduction of and spread of weeds
- Identify signs of insect pest damage in fields
- Identify signs of damage caused by large and small pests
- Identify signs of suspected crop diseases & disorders
- Carryout routine crop sprayer servicing and maintenance
- Operate sprayers in fields and on roads

## Operating Irrigation Equipment

- Demonstrate knowledge of health & safety hazards associated with irrigation systems
- Perform pre-season check over & basic servicing of piping and pumping systems
- Inspect & prepare for operation of farm's main distribution system
- Operate a ditcher to construct fields ditches
- Operate a diker machine to construct field dikes
- Operate a land floater & plane for field leveling
- Demonstrate knowledge of local regulations & bylaws affecting irrigation
- Demonstrate knowledge of the farms cropping plans and irrigation strategies
- Operate a gravity type irrigation system
- Operate a wheel move system
- Operate a pivot system
- Operate & maintain the water pumping system
- Monitor irrigation system during operation & inform supervisor for servicing needs
- Prepare & secure piped systems for winter storage

## Employability, Communication & Safety

- Manage your training & continuing education
- Effectively communicate and interact on the job
- Manage time effectively
- Demonstrate knowledge of personal financial principles (Optional)
- Manage your health and safety on the job
- Use a fire extinguisher and combat a small fire
- Perform basic first aid procedures
- Safely handle hazardous farm materials

## Harvesting Grain Crops

- Demonstrate knowledge of the farm's marketing plan or program
- Operate & service a swather on fields & roads
- Determine a crop's moisture level using testing equipment
- Demonstrate knowledge of combine operation & servicing
- Operate combines in field and in transport
- Operate grain bin aeration systems and equipment
- Prepare grain harvesting e equipment for off-season storage
- Prepare crop storage facilities for harvest use
- Operate a grain dryer

## Harvest, Handle & Store Forage Crops

- Safely operate and maintain:
  - hay cutting equipment
  - forage harvester
  - square baler (~40kg)
  - round baler
  - hay rake/windrow inverter
  - silage dump wagon
  - silage bagger
  - big bale wrapper
  - silo blower
  - forage additive applicator
  - bale collector
- Prepare forage crop storage facilities
- Store forage harvesting equipment
- Pack bunker silage using a tractor