



MUNICIPAL DISTRICT OF GREENVIEW

Farm Fire Safety Checklist

The following Farm Fire Safety Checklist was designed to assist farmers and others involved in agri-business to mitigate the risk of fire occurring on their properties. It will also ensure everyone knows what to do in case of fire.

Use this checklist by placing checkmarks in appropriate boxes to ensure important steps have been taken to make your farms and homes safer from fire. Every farm and agri-business is different. Additional space has been provided for other unique issues around your property that should be added to this checklist.

CONTACTING EMERGENCY SERVICES

Knowing how to contact emergency services and being able to direct them to the right place will avoid unnecessary delays in response time.

- ☐ **Prominently post 9-1-1 at each telephone.**
- ☐ **Prominently post clear, concise directions to your property at each telephone. This will allow you to provide clear instructions to responding emergency services.**
- ☐ **Make sure your neighbors know the address of your farm property and any important information about your farm and the buildings.**
- ☐ _____

It is often a neighbor who will notice smoke or flames coming from nearby barns or buildings. Making sure that neighbors have your correct address can save valuable time for the emergency responders in rural areas.

INSPECT YARD AREAS

Keeping a clean, clear space around buildings and, in general yard areas can help reduce the risk of fire spreading from one building to another.

- ☐ **Remove combustible materials (general storage/new or salvaged building materials) from around buildings.**
- ☐ **Remove brush, weeds, and tall grass from around buildings.**
- ☐ _____

PROVIDE ACCESS FOR FIREFIGHTING

Ensuring firefighters can access all areas of your property and can gain access to all buildings will avoid costly delays once they arrive.

- ☐ **Provide and maintain a clear, unobstructed laneway or yard area to each building. Park farm equipment and machinery in the barn or equipment shed, if possible.**
- ☐ **Provide gateways through fences with a clear width of at least 3.5 meters for fire department vehicles and apparatus.**
- ☐ **Provide clear access to water supplies that might be required for firefighting (i.e., wells, cisterns, ponds, streams etc.).**
- ☐ **Maintain wells and pumps used for farm water supply.**
- ☐ _____

CONTROL HAZARDOUS PRODUCTS AND ACTIVITIES

Following safety precautions is important when handling hazardous products. Ensure all hazardous products are clearly labelled to further eliminate the guesswork in an emergency situation.

- ☐ **Store hazardous products (i.e., herbicides, insecticides, fungicides, fertilizers etc.) according to the manufacturer's recommendations and applicable regulations.**
- ☐ **Mix fertilizers and chemicals carefully in well-ventilated areas. Have materials on hand to clean up spills immediately.**
- ☐ **Protect cylinders containing compressed gases from mechanical damage to the valves and the cylinders.**
- ☐ **Perform welding and cutting operations only in areas that are free of combustible materials. Protect adjacent areas by maintaining clearance from combustible materials or by using non-combustible shielding.**
- ☐ _____

CONTROL POTENTIAL IGNITION SOURCES

Understanding how to prevent fires from starting is essential in protecting your farm or agri-business from fire loss and controlling potential ignition sources.

- ☐ **Strictly enforce a 'NO SMOKING' policy in and around all farm buildings.**
 - ☐ **Post 'NO SMOKING' signs in prominent places where they are easily visible.**
 - ☐ **Keep engines, motors and machinery well maintained to prevent malfunction and overheating.**
 - ☐ **Refuel equipment outdoors.**
 - ☐ **Make sure equipment is turned off and allowed to cool before refuelling.**
 - ☐ **Maintain adequate clearance to combustibles around heaters.**
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INSTALL AND MAINTAIN PORTABLE FIRE EXTINGUISHERS

The reality of agricultural fires is the distance that firefighters must physically travel to respond. Reduce the risk of fire loss on your property by developing fire protection measures to extinguish or control a fire until firefighters arrive.

- ☐ **Install fire extinguishers in your barn, tool shed, and other farm buildings.**
 - ☐ **Install multi-purpose fire extinguishers on tractors, combines, and other mechanical equipment and machinery.**
 - ☐ **Make sure family members and employees know where extinguishers are located and how to use them.**
 - ☐ **Maintain your extinguishers by inspecting them regularly and recharge when necessary. If you have water-type fire extinguishers, protect them from freezing.**
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MAINTAIN ELECTRICAL APPLIANCES AND WIRING

Electrical appliances and equipment must be maintained in good working order and operated according to the manufacturer's instructions. Properly qualified persons must do electrical installations and repairs in accordance with applicable codes. Misuse of electrical appliances or equipment can be hazardous.

- ☐ Use stall fans, space heaters, lights, and radios only when someone is in the barn.
- ☐ Use only listed electrical appliances and equipment.
- ☐ Disconnect or unplug electrical equipment and appliances when not in use.
- ☐ Enclose exposed wiring in barns and tool sheds in conduit to protect against exposure to weather, animals, and mechanical damage.
- ☐ Ensure electrical repairs and installations are performed by qualified electricians.
- ☐ _____

INSTALL AND MAINTAIN LIGHTNING RODS AND GROUNDING CABLES

Lightning bolts are hotter than the temperature of the sun. If they strike a building, a large fire can ignite. Fortunately, this type of electrical energy can be effectively harnessed with a lightning protection system, including lightning rods and grounding cables to prevent property damage.

- ☐ Ensure lightning rods, grounding cables, and system components are approved, certified, and installed according to regulations.
 - ☐ Check grounding cables frequently and repair if worn or damaged.
 - ☐ Ensure that work is performed by properly licensed installers whenever work is required on lightning rods or grounding cables as a result of changes to the building or re-roofing.
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FIRE SAFETY PLANNING

A customized fire safety plan can work to your advantage in a fire. Develop a fire safety plan for your farm or agri-business to reduce fire loss. Fire safety planning starts with you.

- ☐ **Identify exits and possible evacuation routes from all areas of barns and farm buildings. Ensure all family members and employees are familiar with these evacuation routes.**
- ☐ **Make necessary arrangements to house livestock in the event they need to be evacuated from the barn in a fire. If you do not have suitable areas on your property where you can contain and control your animals, you may need to consider making arrangements with neighboring farmers.**
- ☐ **Maintain an identification list of all animals on your farm, including pertinent details about their health (i.e., any vaccinations they have received, medication they may require) and any physical characteristics.**
- ☐ **Review the plan with all family members and employees and update your plan regularly to accommodate changes to the buildings, livestock or employees.**

UNIQUE ISSUES

Every farm and agri-business is different. Include unique issues that relate to your property in the space below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

This checklist was prepared to help identify fire safety issues and provide positive steps that can be taken to reduce the risk and mitigate the effects of unintentional fires on farm or agri-business properties. For more information about farm fire safety, don't hesitate to contact Greenview Fire-Rescue Services Regional Fire Chief at (780) 552-4513 or wayne.brown@mdgreenview.ab.ca.