

Pig Euthanasia – On Farm Options

It's an unfortunate reality that from time to time, an animal will become sick or injured and must be euthanized. There can also be other situations including animal health, financial or times when caregivers are unable to care for their animals which may require animals to be euthanized. In some cases, it may be a larger number of animals than farms are equipped to handle compared to normal culling requirements.

This resource is designed to give farmers, stock persons, and veterinarians different options for euthanizing various sizes of pigs on farm.

Important notes for euthanasia:

- When euthanasia is the best option, it's important to make the decision in a timely manner to minimize the animal's pain or distress.
- The Animal Care Assessment Program requires a euthanasia plan that includes proper methods for different sizes and ages of pigs.
- Proper training and properly maintained equipment are required to protect animal welfare and human safety.
- Euthanasia requires proper equipment for handling and restraint. Handlers should be aware of low stress animal handling and videos may be ordered from <http://grandin.com/inc/low.stress.handling.video.html>
- Please note that when euthanizing any animal it is important to check for signs of insensibility and to confirm death before moving on. Signs of insensibility include:
 - No natural blinking
 - No breathing or vocalization
 - No jaw tone
 - No organized limb movement i.e. attempting to lift head

For more information:



Farm & Food Care Ontario
Phone: 519-837-1326
E-mail: info@farmfoodcare.org
www.farmfoodcare.org
www.livestockwelfare.com



ONTARIO PORK
Ontario Pork
Phone: 519-767-4600
www.ontariopork.on.ca



Zephyr (non-penetrating)

What is it?

The Zephyr is a re-engineered nail gun that was developed by the Ontario Ministry of Agriculture Food and Rural Affairs (OMAFRA) and the University of Guelph for use in rabbit abattoirs. Further research has been conducted to validate the Zephyr for use on turkeys and piglets.

How does it work?

When fired, a nylon bolt head is ejected from the barrel. Through concussive force the Zephyr causes brain damage and immediate insensibility followed shortly by death. The Zephyr is powered by connecting to a standard air compressor charged to 120 PSI.

What can I use it on?

The gun has been proven effective for the euthanasia of piglets up to 9 kg (20 lbs).

Where can I get it?

To purchase a Zephyr please contact Farm & Food Care at 519-830-6715 or Bock Industries at 814-342-4385.

How much does it cost?

Cost of the Zephyr unit is **\$698.00 (US + shipping)**.

Farm and Food Care accepts no responsibility for changes in pricing.

Other considerations to consider are that the Zephyr requires an air compressor hook-up, hoses and restraints (not included in purchase price).

A booklet and video on the Zephyr is available through Farm & Food Care.

For more information:

www.bock-industries.com



TED (non-penetrating)

What is it?

The TED is a re-engineered nail gun designed as a one step non-penetrating captive bolt gun. TED stands for “Turkey Euthanasia Device”, but can be used on a variety of other species.

How does it work?

The TED is powered by a butane fuel canister that will provide 1,000shots/canister. It is completely portable, light weight and easy to handle.



What can I use it on?

The TED can be used to euthanize full grown turkeys, ducks, chickens and pigs up to and including 9 kg (20 lbs).

Where can I get it?

To purchase a TED please contact Farm & Food Care at 519-830-6715 or Bock Industries at 814-342-4385.

How much does it cost?

Cost of entire kit including 3 subject adapters, 2 lithium batteries, AC/DC charger for car or wall outlets, safety glasses and carrying case **\$989.00 (US + shipping)**.

Farm and Food Care accepts no responsibility for changes in pricing.

For more information:

www.bock-industries.com

Captive Bolt Guns

There are several types of captive bolt guns available. To ensure that pig welfare is maintained it is essential that you use a captive bolt gun designed for single step euthanasia, not one that is only intended as a stunning device.

The newest captive bolt available on the market is the .25 CASH dispatch kit. It is designed for effective and humane euthanasia with minimal pain and distress.

.25 CASH Dispatch Kit

What is it?

The CASH euthanizer kit is a pistol style trigger operated gun. It renders the animal instantly and irreversibly insensible eliminating pain, stress and suffering prior to death.

How does it work?

When fired, a metal bolt head is ejected from the barrel of the gun. The bolt head retracts back into the protective barrel. The CASH captive bolt gun results in immediate and sustained unconsciousness and physical disruption of the brain causing irreparable damage. This damage results in death.

What can I use it on?

Universal in its application the CASH captive bolt stunner is equipped for application on a variety of small to large animals, with varying cartridge load strengths.

Note that there are different bolt lengths and cartridge combinations for different weight classes of animals. Please consult the manufactures guidelines for proper cartridge and bolt combinations.

Where can I get it?

The CASH euthanizer kit is commercially available through Jarvis or Bunzl Processors Division at 319-573-6121.

How much does it cost?

The complete 4 head stunner kit is **\$3,895.00 + (tax & shipping)**.

There are other captive bolt options on the market at varying price points.

Farm and Food Care accepts no responsibility for changes in pricing.

For more information:

Visit the websites at <https://www.bunzlpd.com/home.php?cat=99415> and <http://www.jarviscanada.com/stunning.php>



Firearm

What is it?

Any non-restricted firearm in working condition can be used as a tool to euthanize an animal.

How does it work?

The penetration and concussive force generated by the bullet within the skull and brain result in death.

What can I use it on?

A 0.22 caliber long rifle solid point bullet is sufficient for young animals.

Options for large animals such as mature cattle (including bulls), sows, boars, horses and elk include the 12, 16, and 20 gauge shotgun loaded with slugs or No. 2, 4, or 6, size birdshot.

Where to get it?

Firearms can be purchased at various locations across Ontario.

Please note that you must possess a valid Possession and Acquisition Licence (PAL) administered by the RCMP and have passed the Canadian Firearms Safety Course.

How much does it cost?

Price will vary depending on size of firearm and ammunition used.

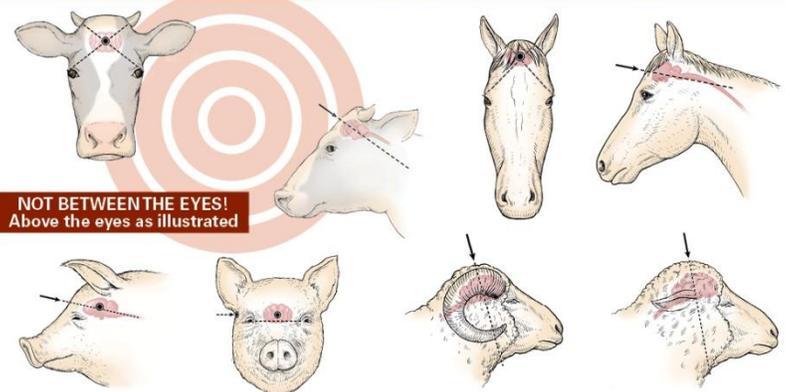
For more information:

<http://vetmed.iastate.edu/HumaneEuthanasia>

Please note that when using a firearm for euthanasia purposes both operator and bystander safety should be considered.



Anatomical Sites for Livestock Euthanasia



Firearm and Bullet/Shotshell Selection for Euthanasia of Livestock

Handguns and rifles - A .22 caliber rifle is sufficient for young animals, but results are not consistent in adult animals. A .22 magnum or larger caliber firearm is preferred.

Shotguns - A 12, 16 or 20 gauge are preferred loaded with slugs are best, but birdshot No. 2, 4, or 6 can be used.

Confirmation of Death

Regardless of the method of euthanasia used, death must be confirmed before disposal of the animal. The following should be used to evaluate consciousness or to confirm death.

1. Lack of a heartbeat
2. Lack of respiration
3. Lack of a corneal reflex
4. Presence of rigor mortis



IOWA STATE UNIVERSITY
University Extension

<http://vetmed.iastate.edu/HumaneEuthanasia>



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Blunt Force Trauma

What is it?

This procedure involves striking the piglet on the top of its head with a heavy, blunt object, such as a hammer or striking the head of the piglet against a hard surface (i.e. concrete floor).

How does it work?

The blow must be administered swiftly, with determination and firmly enough to ensure quick, humane euthanasia on the first attempt, rendering the animal dead.

What can I use it on?

Blunt force trauma is acceptable for piglets under 3 weeks of age.

Where to get it?

It is acceptable to use any heavy blunt instrument, such as a large hammer or heavy pipe.

How much does it cost?

There is no nominal cost associated with blunt force trauma.

Anesthetic Overdose (administered by licensed veterinarians only)

What is it?

Under some circumstances, you may have to ask a veterinarian to euthanize an animal with an overdose of an anesthetic. These drugs are strictly controlled and must be administered by a veterinarian. This method of euthanasia requires intravenous access.

The meat from animals killed in this manner cannot enter the food chain. Therefore the disposal of the carcass presents a problem. Please check with your local municipality with respect to disposal of these carcasses.

How does it work?

An overdose of barbiturates is administered to depress the central nervous system, causing deep anesthesia progressing to respiratory and cardiac arrest.

What can I use it on?

Anesthetic overdose is typically used on larger animals that might be difficult to euthanize with other methods.

Where to get it?

Contact your veterinarian.

How much does it cost?

Please consult with your veterinarian.



Disclaimer

This inventory list is intended to assist producers in making ethical and responsible decisions regarding animals at risk. Producers are encouraged to consult with their herd health veterinarian for final culling decisions, as this guide should not be considered as the sole resource in these matters. The authors do not make any representations, warranties or conditions, either express or implied, with respect to any of the information contained in this guide.

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