

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

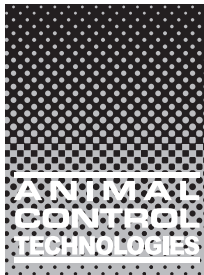


DEN-CO-FUME®

Carbon monoxide fumigant cartridge

ACTIVE CONSTITUENTS:
65% SODIUM NITRATE & 35% CHARCOAL

For the control of foxes in natal dens



© Animal Control Technologies (Aust.) Pty Ltd
46-50 Freight Drive,
Somerton Victoria 3062
www.animalcontrol.com.au
Emergency Contact Telephone 03 9308 9688

DIRECTIONS FOR USE

APVMA Approval number: 48242/1004

MODE OF ACTION:

Carbon monoxide combines with haemoglobin to form carboxyhaemoglobin, which is incapable of carrying oxygen.

While exposure to very low levels of carbon monoxide may cause no symptoms or only slight headache and shortness of breath, longer exposure to higher concentrations of carbon monoxide will convert more than 50% of blood haemoglobin to carboxyhaemoglobin.

Prolonged exposure to concentrations over 1000ppm (0.1%) causes a progression towards unconsciousness and death. Death occurs without pain and while the animal is unconscious.

Time to death depends on the final carbon monoxide concentration but is typically within minutes or a few hours at a concentration greater than 1%. DEN-CO-FUME® cartridges are capable of producing concentrations of carbon monoxide up to 3% in a dead volume of 1000 litres (1m³). Higher concentrations are achieved in smaller dens.

While the combustion of the cartridge is very hot, the temperature of the smoke produced is only a few degrees above ambient 1-2 metres from the cartridge. The smoke is non-irritating.

Carbon monoxide is toxic to most mammals but specificity of the technique is from accurate identification of occupied fox natal dens. These cartridges should not be used for any other purpose.

RESTRAINTS:

- **DO NOT USE** in dens which have evidence of occupancy by non-target animals, or which have no evidence of occupation by foxes.
- **DO NOT USE** this cartridge where there is a risk of igniting any combustible materials, including grass, hay stacks or buildings.
- **DO NOT USE** the cartridge where there is a risk of direct exposure of any animal to the combusting products.

BACKGROUND TO FOX BREEDING:

Fertile vixens have a single heat period (monoestrus) between mid June and mid August. Gestation is 53 days and the vixen gives birth to an average of 4 cubs.

After birth the vixen remains in or near the den for 7-10 days. She leaves for progressively increasing periods until she is largely away after three weeks.

Although lactation continues for about 8 weeks, the vixen is likely to return with solid food for the cubs each night from about 4 weeks of age.

If fumigation is carried out during the whelping period in August to October when the cubs are within the natal dens all cubs can be destroyed.

METHOD OF APPLICATION:

Determine the den location of foxes which are preying on livestock or wildlife. Fox tracks and presence of prey remains or prey drag marks, odour and flies near the den site help indicate active dens.

Open holes at the top of the cartridge at the points indicated. Insert a 50cm length of fuse provided into the centre hole to reach the top of the cartridge contents.

Using a broom handle or flexible hose probe the den to establish that no animals are within 1.5 m of the entrance to the den.

Place the cartridge, fuse end first, into the entrance of the active fox den. Bend the fuse back along the cartridge so the fuse can be ignited. Light the fuse, then once the cartridge has successfully ignited, seal the entrance to the den with earth. If smoke emerges from any other entrances attempt to seal these with earth also.

Do not disturb the den after fumigation.

RATES OF APPLICATION:

When dens are in enlarged rabbit warrens with several entrances or of large volume it may be appropriate to use two cartridges. The total carbon monoxide concentration achieved with multiple cartridges is additive (ie. 2 cartridges produce up to 6% carbon monoxide).

STORAGE:

Store in a closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

SAFETY DIRECTIONS:

Contents poisonous if swallowed and may irritate the eyes, nose and throat. After ignition this cartridge produces the toxic gas CARBON MONOXIDE. Smoke is poisonous if inhaled and can cause unconsciousness and death. Do not inhale smoke. Once ignited this cartridge will burn VIGOROUSLY until completely spent and is capable of causing severe burns to exposed skin and clothes.

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126. If headache or drowsiness occur, remove victim from contaminated area and give oxygen if available. If unconscious, give artificial respiration and get to a hospital or doctor quickly.

CONDITIONS OF SALE:

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