



# Chinook Animal Clinic

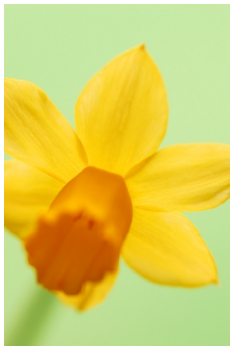
9945 Fairmount drive SE – Calgary – AB – T2J 0S2

## SPRING TOXINS



### TULIPS AND HYACINTHS

Tulips contain allergenic lactones and hyacinths contain alkaloids. The toxic part of these plants is concentrated in the bulb. When ingested the bulbs can irritate the mucous membranes of the mouth and esophagus



### DAFFODILS

CONTAIN LYCORINE- ALKALOID THAT TRIGGERS VOMITING. Ingestion of the bulb, plant or flower can cause severe vomiting, diarrhea, abdominal pain as well as cardiac arrhythmias and respiratory depression. Ingestion can irritate the mucous membranes as well.



### LILLIES

There are dangerous and benign lilies. **Dangerous lilies can be deadly!** Peace, Peruvian, and Calla lilies can irritate the mucous membranes of the mouth and esophagus causing drooling. The potentially fatal lilies are Tiger, day, Asiatic, Easter and Japanese show lilies- all are highly toxic to cats often resulting in kidney failure.



### CROCUSES

Spring blooming crocuses cause gastrointestinal upsets including vomiting and diarrhea. **Autumn crocuses are highly toxic** causing severe vomiting, gastrointestinal bleeding, liver and kidney damage as well as respiratory failure.



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## LILY OF THE VALLEY

Ingestion can result in vomiting, diarrhea, a decreased heart rate, cardiac arrhythmias and possible seizures.



## FERTILIZERS & IRON

Mainly cause gastrointestinal upsets but some can be fatal. Commonly added to fertilizers can cause iron toxicity resulting in vomiting and bloody diarrhea as well as potential liver and cardiac issues.



## ROSE AND PLANT FERTILIZERS

Contain organophosphates, which can kill dogs. Symptoms may include salivation, urination, defecation, difficulty breathing, hyperthermia and seizures.



## BLOOD MEAL

Ingestion of blood meal causes: vomiting, diarrhea as well as severe inflammation of the pancreas. Some are fortified with iron and can cause iron toxicity.



## BONE MEAL

Because this is flash frozen animal bones ground to powder it is highly palatable to dogs. Ingestion of high amounts can result in a cement like accumulation in the gastrointestinal tract causing an obstruction and possible surgical removal.



## PESTISIDES/INSECTICIDES

Contain organophosphates that may be dangerous to dogs.