

Poisonous Plants Common in Arizona Gardens and Homes

10/11/2019

Poisonous Plants Common in Arizona Gardens and Homes



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The following will be discussed in this presentation

- Poisonous plants affecting dogs and cats
- Poisonous garden and house plants commonly grown in Arizona



Rain Lily Arizona poppy Coral bean

Plants most commonly reported to Poison Center Hotlines

- | | |
|---------------------------|---------------------------|
| • 1. <i>Capsicum</i> | • 11. <i>Zantedeschia</i> |
| • 2. <i>Dieffenbachia</i> | • 12. <i>Ilex</i> |
| • 3. <i>Philodendron</i> | • 13. <i>Epipremnum</i> |
| • 4. <i>Caladium</i> | • 14. <i>Iris</i> |
| • 5. <i>Spathiphyllum</i> | • 15. <i>Eucalyptus</i> |
| • 6. <i>Datura</i> | • 16. <i>Ephedra</i> |
| • 7. <i>Euphorbia</i> | • 17. <i>Hedera</i> |
| • 8. <i>Ficus</i> | • 18. <i>Arisaema</i> |
| • 9. <i>Narcissus</i> | • 19. <i>Piper nigrum</i> |
| • 10. <i>Phytolacca</i> | • 20. <i>Begonia</i> |

<http://www.petpoisonhelpline.com/poisons/>



Toxic House & Garden Plants

- | | |
|---|---|
| • Arrowhead plant (<i>Syngonium podophyllum</i>) | • Ivy (<i>Hedera</i> species) |
| • Asparagus fern (<i>Asparagus densiflorus</i>) | • Norfolk Island Pine (<i>Araucaria heterophylla</i>) |
| • <i>Begonia</i> species | • Philodendron species |
| • Caladium (<i>Caladium bicolor</i>) | • Pothos (<i>Epipremnum aureum</i>) |
| • Cardboard palm (<i>Zamia furfuracea</i>) | • Rubber plant (<i>Ficus elastica</i>) |
| • Chinese evergreen (<i>Aglaonema modestum</i>) | • Sago palm (<i>Cycas revoluta</i>) |
| • Coontie (<i>Zamia pumila</i>) | • Satin pothos (<i>Scindapsus pictus</i>) |
| • Corn plant (<i>Dracaena fragrans</i>) | • Schefflera species (<i>Schefflera actinophylla</i>) |
| • Cuban oregano (<i>Plectranthus amboinensis</i>) | • Shamrock (<i>Oxalis</i> spp.) |
| • Cycads (<i>Cycas</i> spp.) | • <i>Spathiphyllum</i> |
| • <i>Dracaena</i> species | • Split-leaf philodendron (<i>Monstera deliciosa</i>) |
| • Dunelm (<i>Dieffenbachia amoena</i>) | • Taro (<i>Colocasia esculenta</i>) |
| • Elephant's Ear (<i>Colocasia</i> spp.) | • Ti plant (<i>Cordyline fruticosa</i>) |
| • Fiddleleaf fig (<i>Ficus lyrata</i>) | • Tree philodendron (<i>Philodendron selloum</i>) |
| • Golden pothos (<i>Scindapsus aureus</i>) | • Yew (<i>Taxus</i> spp.) |

<http://www.aspc.org/pet-care/animal-poison-control>

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Toxic House Plants

Amaryllis (*Hippeastrum* species and hybrids)
Anthurium *schzerianum*
Cycads (*Cycas* and *Zamia* species)
Clivia (*Clivia miniata*)
Crown of thorns (*Euphorbia milii*)
Cyclamen
Hyacinth (*Hyacinthus* species and hybrids)
Jerusalem Cherry (*Solanum pseudocapsicum*)
Aloe vera (*Aloe barbadensis*)
Jade plant (*Crassula ovata*)
Kalanchoe species



Poisonous Native Plants

To name but a few...

- Locoweeds
- Death camas
- Lupine
- Nightshade
- Larkspur
- Water hemlock
- Milk weeds
- Senecio



"The dose makes the poison"



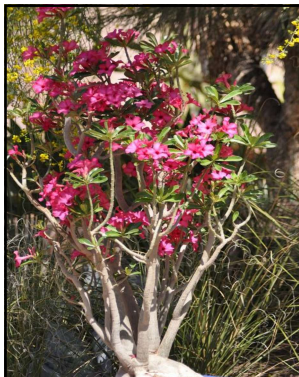
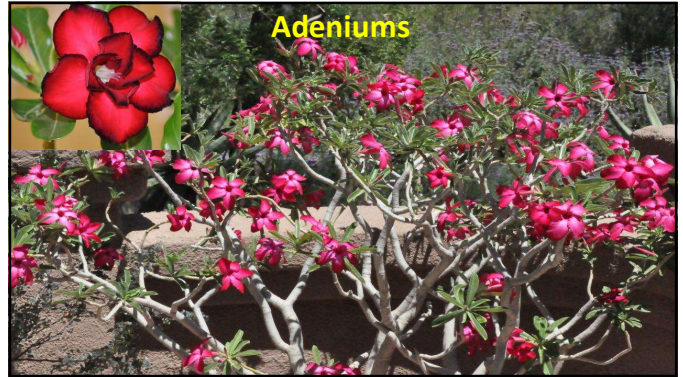
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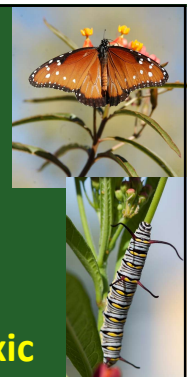
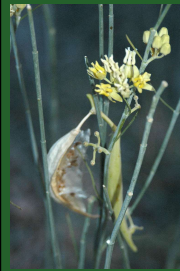
Is compost made from
oleander leaves safe to use
on a vegetable garden ?



Desert rose
Adenium species
Many hybrids

Many Cardiotoxic alkaloids
in all parts of the plant

Milk weeds – *Asclepias* species



All are cardio-toxic

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10 of the world's most Deadly Plants

- Castor bean
- Water hemlock
- Poison hemlock
- Yew
- Oleander
- Monk's hood
- White snake root
- Angel's trumpet
- Carolina jasmine
- Manchineel, manzanilla de la muerte
- Suicide tree (*Cerbera odollam*)

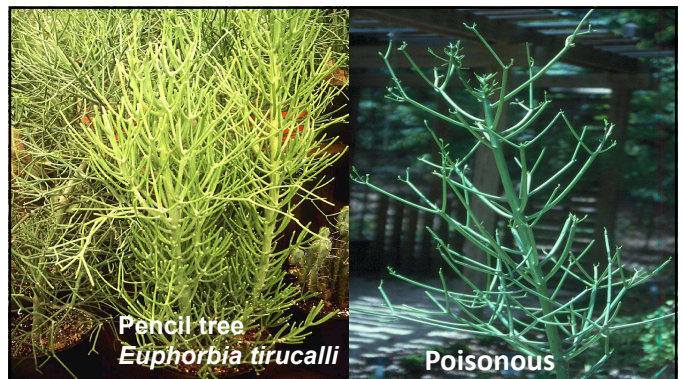
<http://io9.gizmodo.com/5841540/10-of-the-worlds-deadliest-plants---and-how-they-kill-you>



Peyote – *Lophophora williamsii*



**Mescaline
Psychoactive**



Pencil tree
Euphorbia tirucalli

Poisonous

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Euphorbia tirucalli
Pencil cactus
'Sticks of Fire'



Aloes

Over 450 species

Aloe barbadensis (*Aloe vera*)

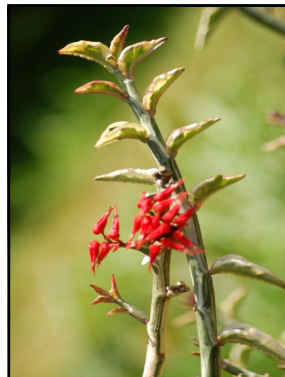
The sap contains potent purgatives

- Barbaloin (anthraquinone) converted
by intestinal bacteria to Aloe-emodin.



Candelabra Cactus
Euphorbia lactea

Irritant sap



Slipper plant, Gallito
Euphorbia tithymaloides
(*Pedilanthus tithymaloides*)
Euphorbiaceae

Irritant sap

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Daily Mail.com

Murder by heartbreak grass: Was Russian exile who dropped dead at Surrey mansion a victim of the nearest thing to a perfect poison?

Russian Mafia whistleblower poisoned by a plant called Heartbreak Grass

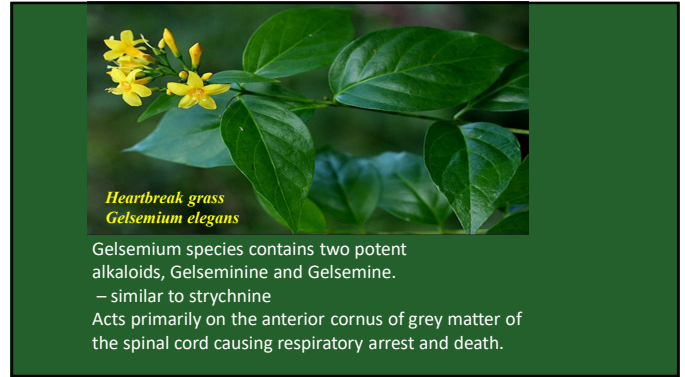
Police deny covering up death of Alexander Perepilichny



- Alexander Perepilichny, 44, collapsed and died while out jogging in 2012
- Tycoon somehow ingested Gelsemium, a toxic plant that grows in China
- There are claims he was murdered by assassins using 'heartbreak grass'

By ANDREW MALONE FOR THE DAILY MAIL
PUBLISHED: 19:23 EST, 19 May 2015 | UPDATED: 02:51 EST, 20 May 2015

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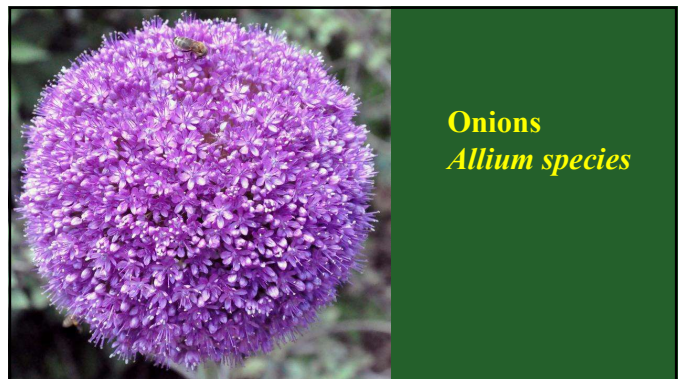


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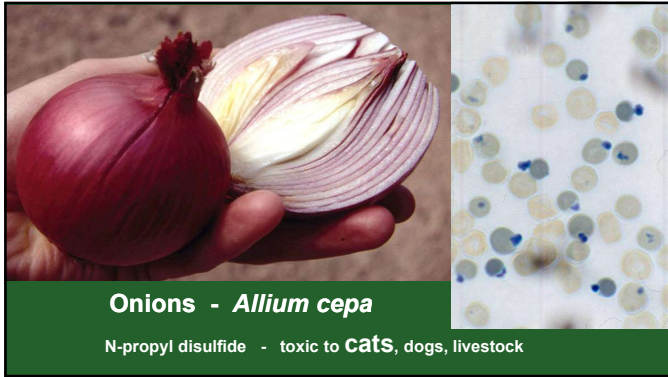


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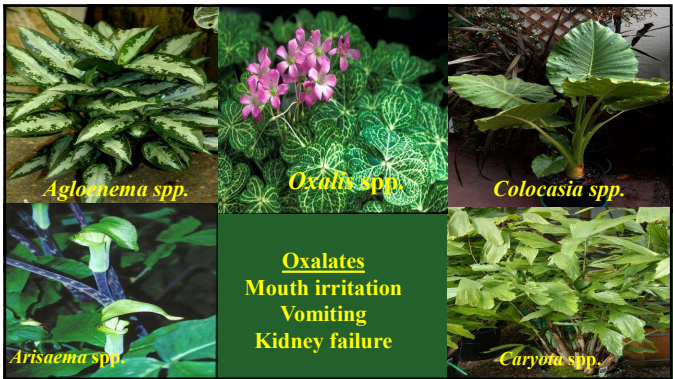
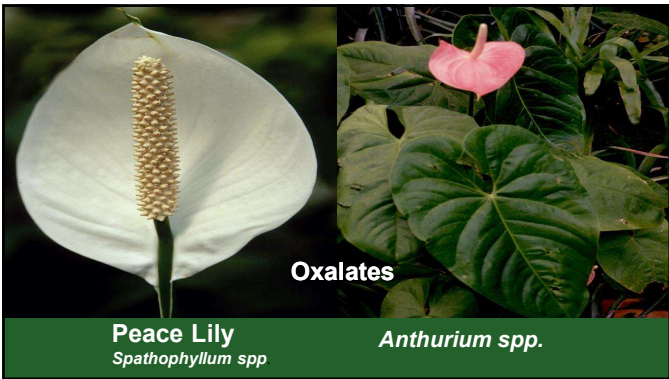
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What is the most poisonous plant cats are commonly exposed to in households?



Easter lily
Lilium longiflorum



Tiger lily
Lilium tigrum

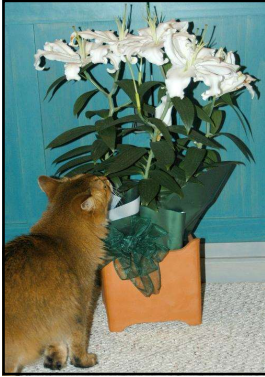


All *Lilium* species are toxic to cats until proven otherwise.



Day Lilies
Hemerocallis species
Poisonous to cats

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Cats are highly susceptible
Dogs are not!

Toxin unknown
Leaves and flowers are toxic

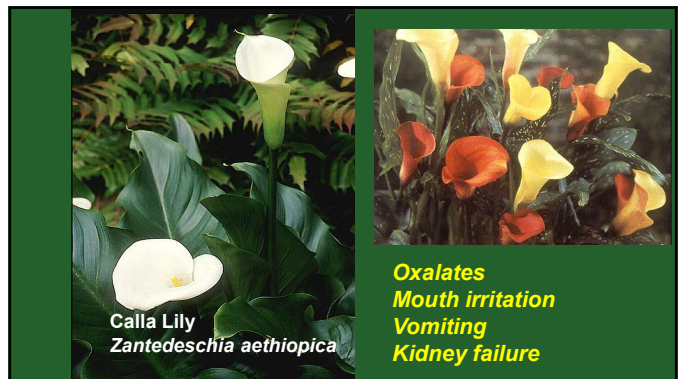
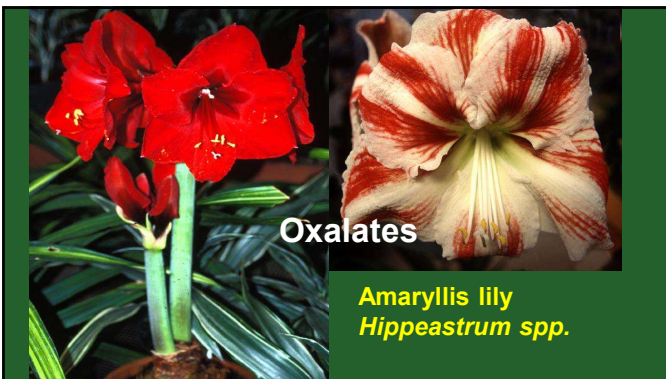
3 clinical phases
Anorexia, salivation, vomiting,
depression.

Polyuria leading to dehydration.

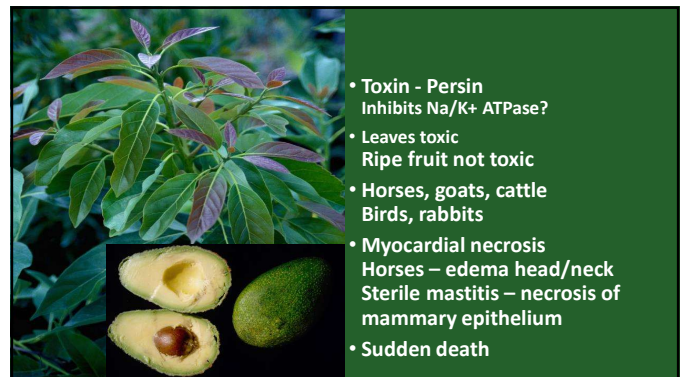
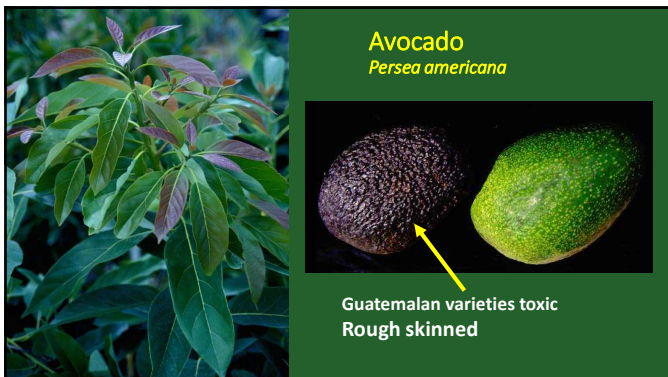
Acute kidney failure
Death.



Plant Bulbs
are always a
risk especially
to dogs.



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Plumeria
Plumeria obtusa



Milky sap is an irritant.
- Salivation, Diarrhea
Cardiotoxic

Mesquite
Prosopis spp.



Phytobezoar



China berry
Melia azadarach



China berry
Melia azadarach



Meliatoxins
Sudden death

Less acute signs -
Vomiting, diarrhea,
Neurologic signs
Paralysis

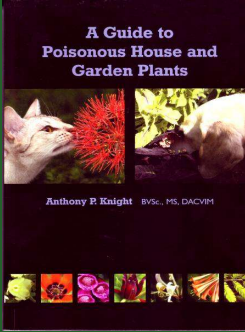
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**A Guide to
Poisonous House and
Garden Plants**

Anthony P. Knight B.V.Sc., M.S., DACVIM

Available through:
Teton New Media
P.O. Box 4833
Jackson
Wyoming 83001-9965

Toll free 877 306 9793

www/csuvth.colostate.edu/poisonous_plants

Thank You



Coral Bean – *Erythrina* spp.