



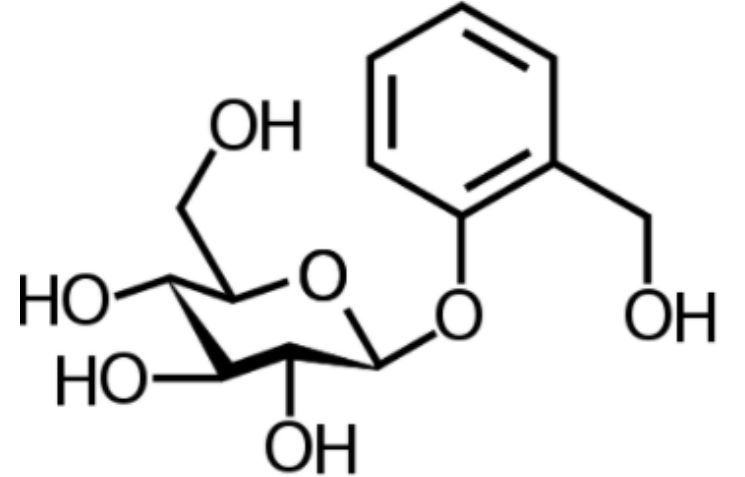
Sindirim Sistemine Etkili Zehirli Bitkiler-2



B- GLİKOZİT İÇEREN BİTKİLER

Bitkilerde alkaloidlerden daha geniş ölçüde bulunan ancak bir çoğu toksik olmayan bileşiklerdir.

Basur Otu (*Ranunculus ficaria*)
Bataklik Nergisi (*Caltha polypetala*)
Sabunotu (*Saponaria officinalis*) Karamuk (*Agrostemma githago*)
Duvar Sarmaşığı (*Hedera helix*)
Bohçaotu (*Helleborus niger*)
Yaban Yasemini (*Solanum dulcamara*)
Herdemtaze (*Solanum pseudocapsium*)
Güveyfeneri (*Physalis alkekengi*)





Basur Otu (*Ranunculus ficaria*)

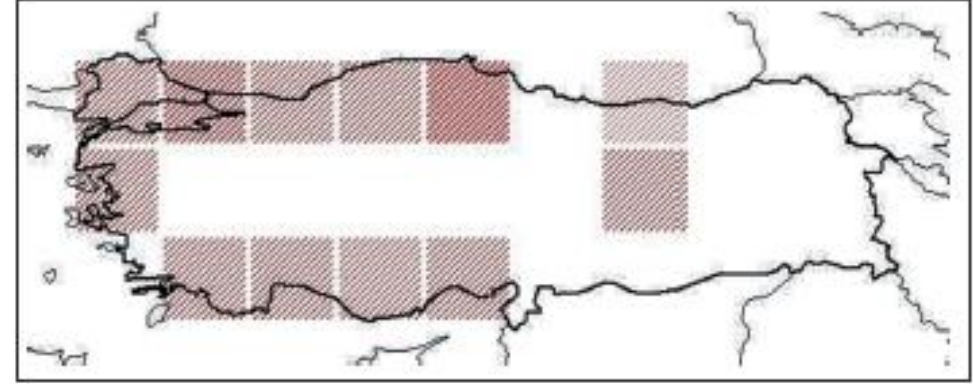
Basur Otu (*Ranunculus ficaria*)

Etkin Madde : Ranunkulin isimli iritan bir glikozit içerir

Zehirliliği: Bitkiye zarar verildiğinde enzimatik etki ile ranunkulin protoanemonine dönüşür.

Klinik Belirtiler

Sağaltım: Kusturucu ve diyaretikler



Harita 2.4 • Basur otu (*Ranunculus ficaria*) bitkisinin Türkiye'de dağılımı (Bakis ve ark., 2011'den modifiye edilmiştir).

Salivasyon, hiperemik müköz membranlar, anoreksi, abdominal ağrı, ishal, depresyon, konvülziyon veya paraliz, bradikardi, kas spazmı görülür.





Bataklık Nergisi (*Caltha polypetala*)

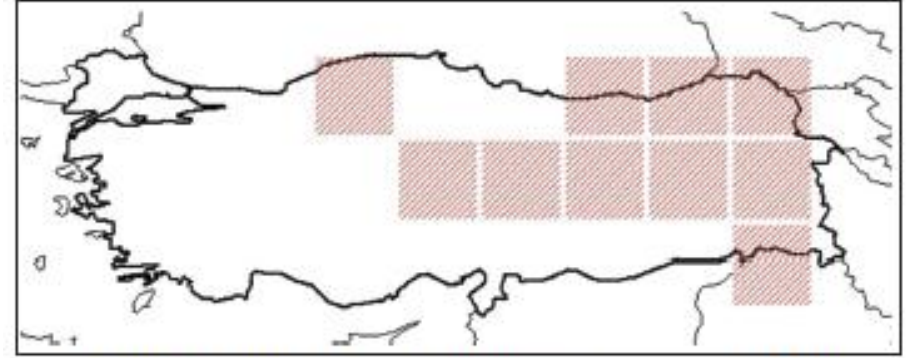
Bataklık Nergisi (*Caltha polypetala*)

Etkin Madde : Ranunkuloslarda olduğu gibi protoanemonin içerir

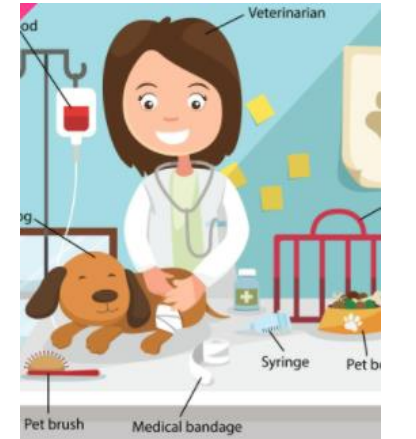
Zehirliliği: Bitkiye zarar verildiğinde enzimatik etki ile ranunkulin protoanemonine dönüşür.

Klinik Belirtiler : kusma, aşırı salya üretimi, diyare semptomları görülür.

Sağaltım: Kusturucu ve diyaretikler



Harita 2.5 • Bataklık nergisi (*Caltha polypetala*) bitkisinin Türkiye'de dağılımı (Bakis ve ark., 2011).



Sabunotu (*Saponaria officinalis*)



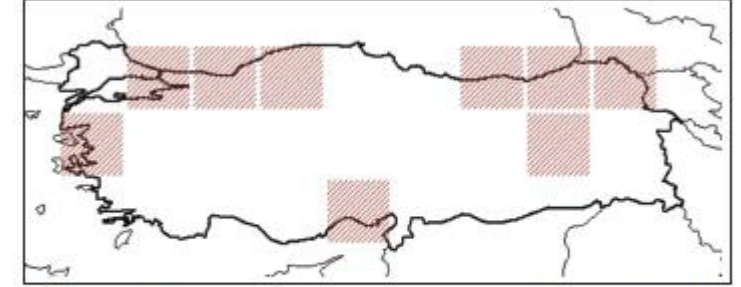
Sabunotu (*Saponaria officinalis*)

Etkin Madde : Yüksek miktarda Saponin içerir. Reçine, zank, müsilaj ve flavonid içerir

Zehirliliği: Saponinler ağızdan alındıktan sonra emilir ve yerel İrkiltici etkisi nedeniyle lezyonlara neden olur

Klinik Belirtiler : iritasyonu, bulantı, kusma, diyare, bradikardi veya taşikardi, ataksi, koma semptomları görülür.

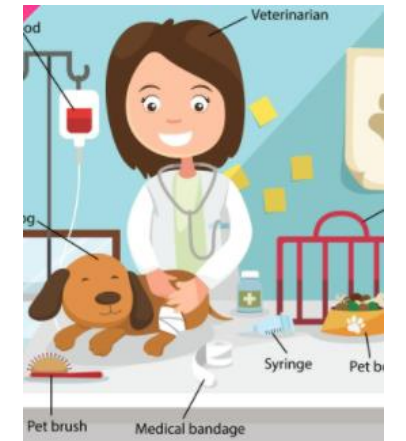
Sağaltım: Demülsetler



Harita 2.7 • Sabunotu (*Saponaria officinalis*) bitkisinin Türkiye'de dağılımı (Bakis ve ark., 2011).



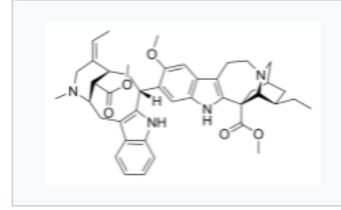
müköz
membranları
korumak



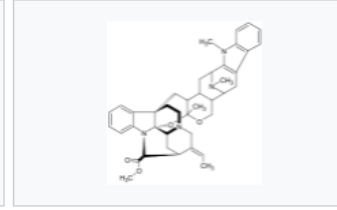
ALKALOİD İÇEREN BİTKİLER



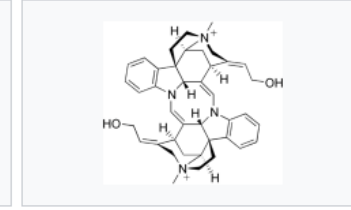
Alkaloid	Action
Ajmaline	antiarrhythmic
Emetine	antiprotozoal agent, Emesis
Ergot alkaloids	Vasoconstriction, hallucinogenic, Uterotonic
Glaucine	Antitussive
Morphine	Analgesic
Nicotine	Stimulant, nicotinic acetylcholine receptor agonist
Physostigmine	inhibitor of acetylcholinesterase
Quinidine	Antiarrhythmic
Quinine	Antipyretic, antimalarial
Reserpine	antihypertensive
Tubocurarine	Muscle relaxant
Vinblastine, vincristine	antitumor
Vincamine	vasodilating, antihypertensive
Yohimbine	stimulant, aphrodisiac



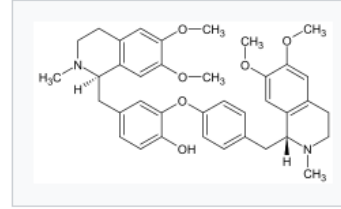
Voacamine



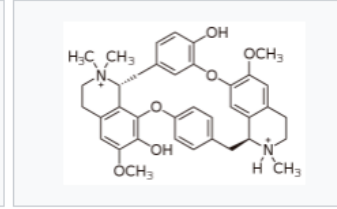
Villalstonine



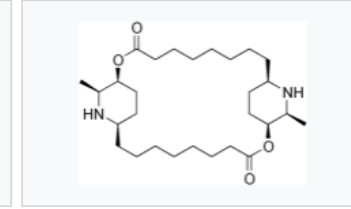
Toxiferine



Dauricine



Tubocurarine



Carpaine



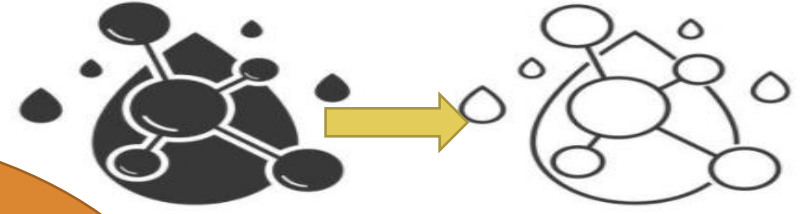
Friedrich Sertürner, the German chemist who first isolated morphine from opium.



Yalancı Tespih Ağacı (*Melia azedarach*)
Boru Çiçeği (*Datura stramonium*)
Güzel Avrat Otu (*Atropa belladonna*)
Ban Otu (*Hyoscyamus niger*)
İt Üzümü (*Solanum nigrum*)
Şimşir (*Buxus sempervirens*)
Kurt Baharı (*Ligustrum vulgare*)



Etkin Maddeler...



Yalancı Tespih Ağacı (Melia azedarach)
azaradin,
margosine,
mangrovin

Güzel Avrat Otu
(*Atropa belladona*)
hiyosin, hiyosiyamin ve
norhiyosin

Şimşir (Buxus sempervirens)
parabuksin,
büksamin,
büksinamin,
büksinidin,
parabuksidin),

Ban Otu
(*Hyoscyamus niger*)
hyosyamin,
hyosin ve
atropindir



Boru Çiçeği
(*Datura stramonium*)
Pseudotropan:
L-hiyosiyamin
ve skopolamin

İt Üzüümü
(*Solanum nigrum*)
solanin, hiyosin
(skopolamin),
hiyosiyamin
(atropin) benzer



Klinik Belirtiler

Symptoms of Nausea in Dogs

- Excessive drooling
- Consistent licking
- Consistent chewing
- Vomiting
- Dry heaving
- Diarrhea

- ✓ Panting/ heavy breathing
- ✓ Drooling
- ✓ Frequent lip-licking
- ✓ Restlessness
- ✓ Retching
- ✓ Swallowing
- ✓ Trembling/ shaking
- ✓ Vomiting
- ✓ Anxiety and nervous behavior



Description: Very moist; has a distinct shape (piles versus logs); loses form and leaves residue when picked up.

Think: Soft-serve ice cream



Description: Has texture but no defined shape; appears as piles that leave residue when picked up.

Think: Cottage cheese



Description: Watery with no texture; puddles that need to be wiped up versus picked up.

Think: Cream-based soup



Sağaltım

- Destekleyici sağaltım.



How to Prevent Vomiting and Diarrhea in Dogs

- ✓ When introducing a new food, do so gradually

- ✓ Don't give your dog toys that can easily fall apart, are easily swallowed, or otherwise chewed into pieces



Avoid giving your dog bones, which are often implicated in vomiting



Avoid overly stressful activities



Do not allow your dog to scavenge around the garbage or outside

Common Causes of Diarrhea and Vomiting in Cats

• Change in Diet or Food Intolerance •



- ✓ Your cat may develop diarrhea or vomiting if they are allergic to their food

Cats may have intolerance to dairy products, wheat, corn, beer or other ingredients in their cat food



- ✓ If you are changing your cat's diet, gradually introduce the new diet before fully make the switch



- ✓ Prepare a home diet to figure out what ingredient is causing the problem



- ✓ If a cat is unable to properly digest commercial cat food, they may develop chronic diarrhea or vomiting



How to Treat Diarrhea in Dogs



- ✓ The most effective home remedy for treating diarrhea is fasting

Fasting for puppies and older dogs is not recommended



Other natural remedies for dog diarrhea include:



Bouillabaisse with their skins removed



Cottage cheese*



Eggs, chicken, and other simple proteins prepared plainly



White rice



Plain canned pumpkin puree



Rice water



Yogurt, kefir, and other foods containing probiotics (beneficial gut bacteria)

Though be careful as some dogs may have stomachs too sensitive to probiotics

*Only if your dog can tolerate milk and dairy products





Evcil Hayvanlarda Zehirli Bitkiler ve Türkiye'deki Dağılımları

Kapsamlı . Güncel . Pratik

Editör: Prof. Dr. Ender YARSAN



- ✓ Bitkilerin Sistemler Üzerine Etkileri
- ✓ Kedi ve Köpekler İçin Zehirli Bitkiler
- ✓ Süte Geçen Zehirli Bitkiler
- ✓ Zehirli Bitkilerin Coğrafi Dağılımı
- ✓ Tüm Bitkilerin Doğadaki Resimleri
- ✓ Klinik Belirtiler, Tanı, Sağaltım
- ✓ Renkli Resim, Tablo ve Grafikler
- ✓ Güncel Referanslar



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