



“Guidelines for most important grazing plant species in Lebanon”

Baalbeck Hermel

Prepared by: Joseph KAHWAJI

June 7th, 2023

كيف تقرأ هذا الدليل الحقلي؟

How to read this guide



الإسم المتداول

White wormwood

الإسم العلمي

الشيخ

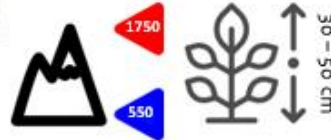
صورة النبتة



Chamaephytes plants
Scientific name: *Artemisia herba - alba*
Kingdom: Plantae
Phylum: tracheophyta
Class: Asterids
Order: Asterales
Family: Asteraceae
Genus: Artemisia

الارتفاع الذي تتواجد عليه (من إلى)

طول النبات (من إلى)



نوع النبات



أشهر السنة

فترة الإزهار



المناطق اللبنانية التي تنمو بها



نوع التربة التي تنمو بها



عمق التربة التي تنمو بها



التحليل التقريبي للنبتة (تقريبي)

القيمة الغذائية للنبتة (تقريبي)

يُسمح بالرعي

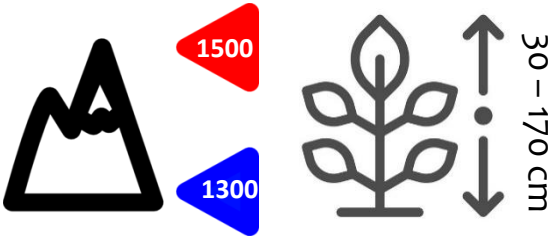


Palestine false-oat

أرينثارم فلسطيني



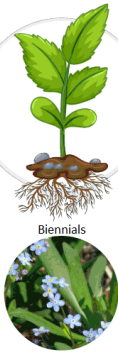
Hemicryptophytes plants
Scientific name: *Arrhenatherum palaestinum*
Kingdom: Plantae
Phylum: tracheophyta
Class: Magnoliopsida
Order: Poales
Family: Poaceae
Genius: Arrhenatherum



Anjar
Deir el Achayer



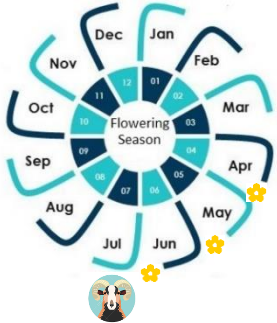
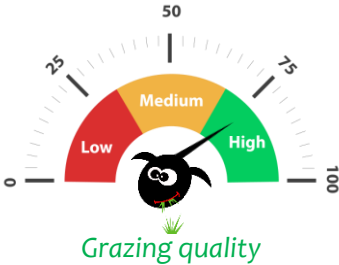
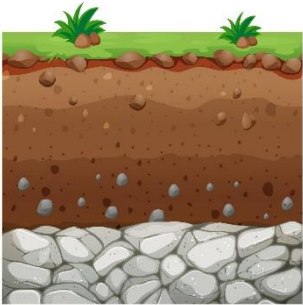
Annuals



Biennials



Perennials

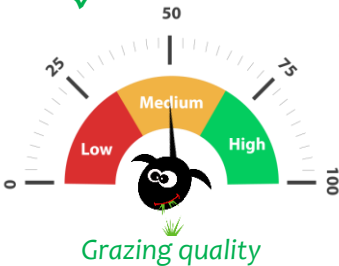
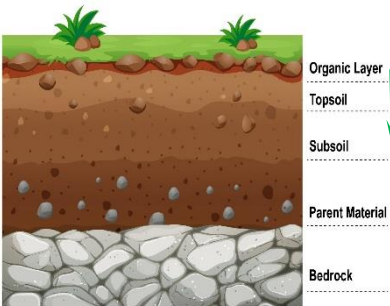
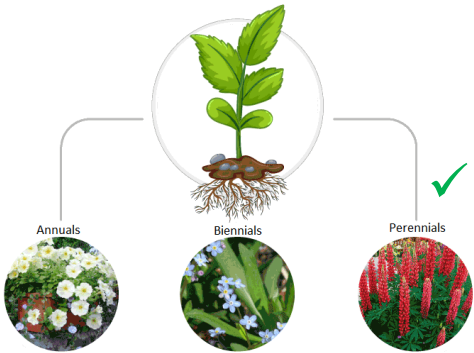
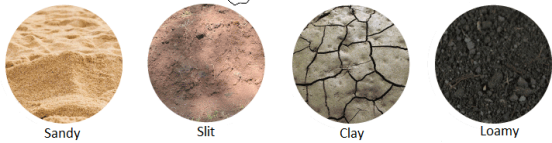
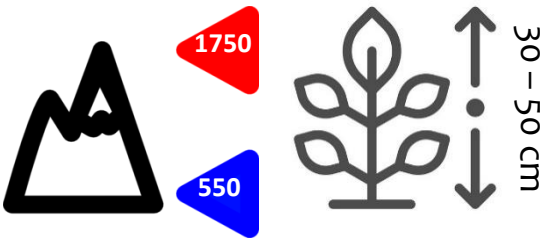
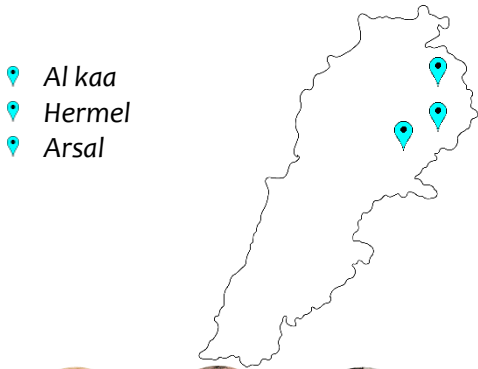


White wormwood

الشيخ



Chamaephytes plants
Scientific name: *Artemisia herba - alba*
Kingdom: Plantae
Phylum: tracheophyta
Class: Asterids
Order: Asterales
Family: Asteraceae
Genus: Artemisia



Wheat grass

حشيشة القمح اللبنانية



Hemicryptophytes plants

Scientific name: *Agropyron aucheri*

Kingdom: Plantae

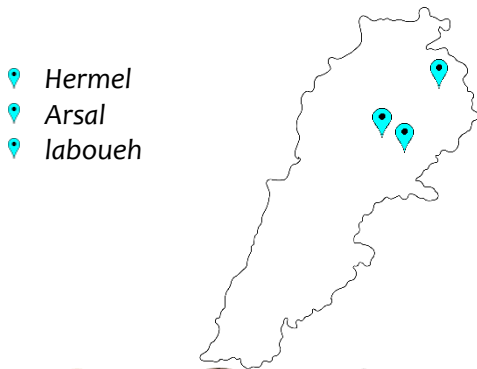
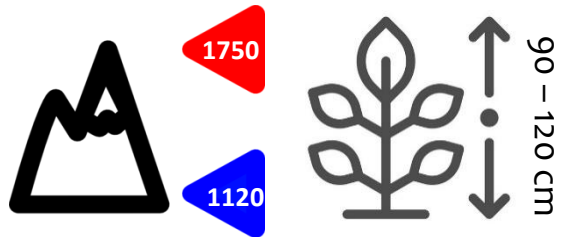
Phylum: tracheophyta

Class: Liliopsida

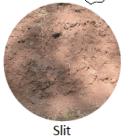
Order: Poales

Family: Poaceae

Genus: *Agropyron*



Sandy



Silty



Clay



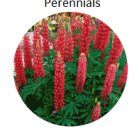
Loamy



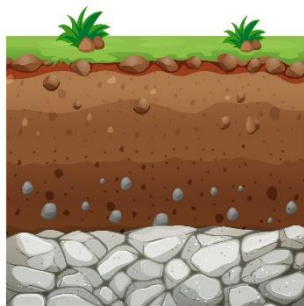
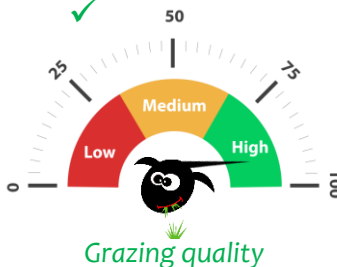
Annuals



Biennials



Perennials

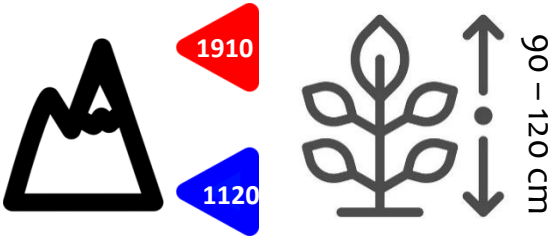


Agropyre du Liban

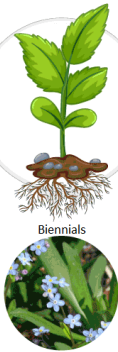
سيفون لبناني



Hemicryptophytes plants
Scientific name: *Agropyron libanoticum*
Kingdom: Plantae
Phylum: Agiospermes
Class: Liliopsida
Order: Poales
Family: Poaceae
Genus: Agropyron



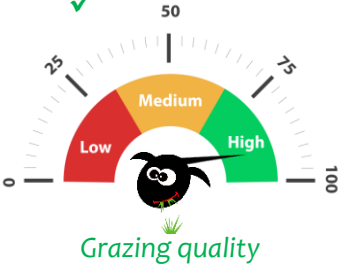
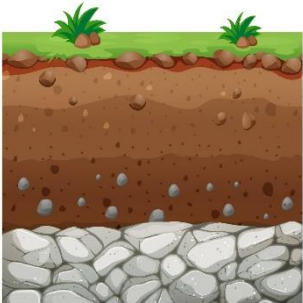
Annuals



Biennials



Perennials

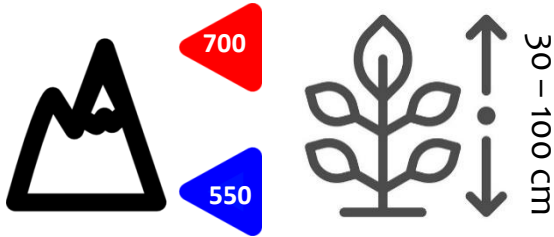


Orache

الرغل السوري



Chamaephytes plants
 Scientific name: *Atriplex leucoclada*
 Kingdom: *Plantae*
 Phylum: *Magnoliophyta*
 Class: *Magnoliopsida*
 Order: *Caryophyllale*
 Family: *Amaranthaceae*
 Genius: *Atriplex*.



Sandy



Slit



Clay



Loamy



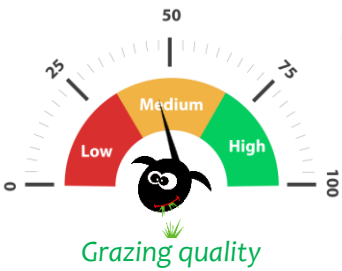
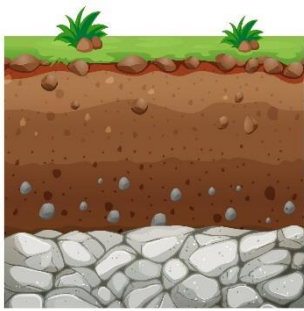
Annuals



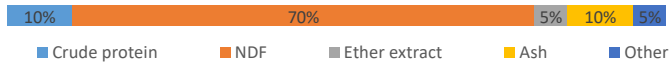
Biennials



Perennials



Grazing quality

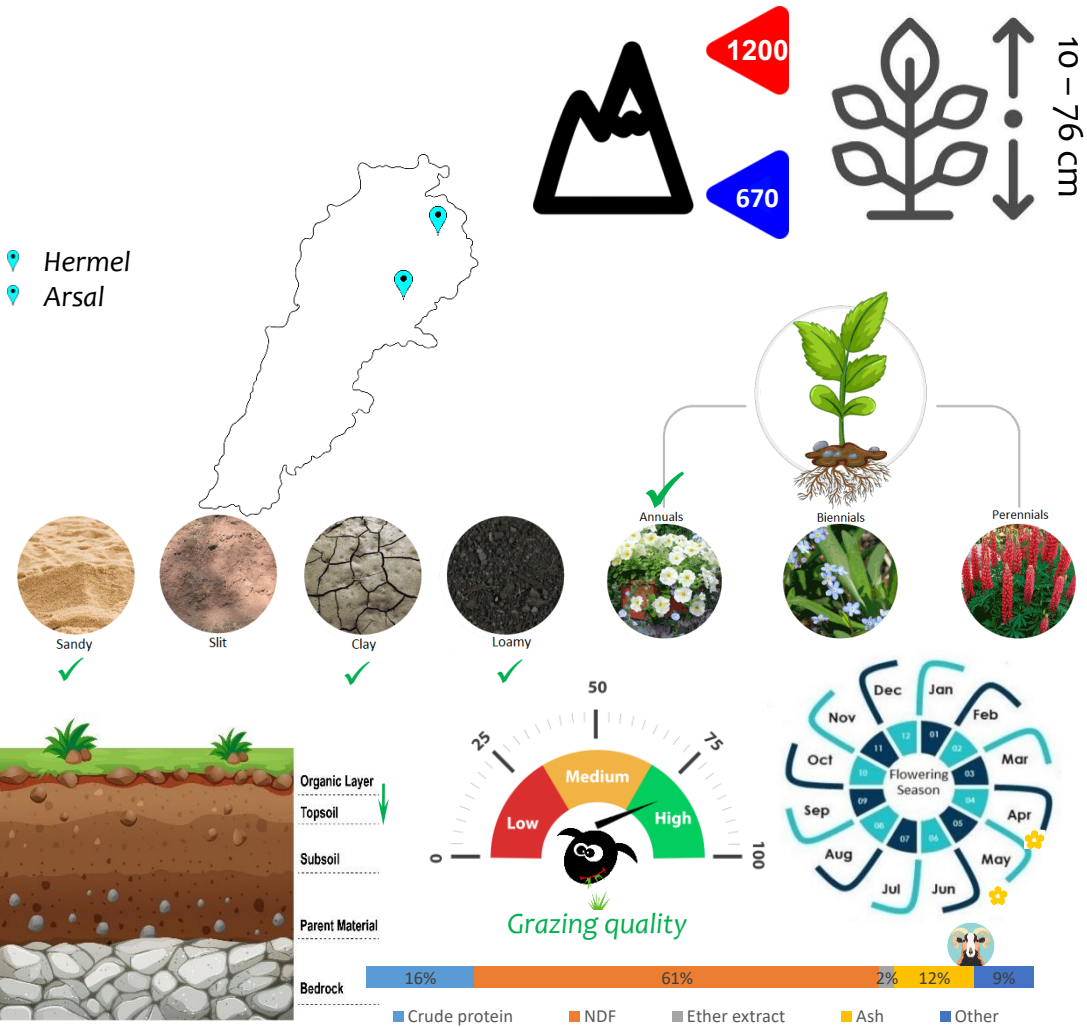


Danthoine's Brome

شُنبِلَة



Therohytes plants
Scientific name: Bromus danthoniae
Kingdom: Plantae
Phylum: Angiosperme
Class: Magnoliopsida
Order: Poales
Family: Poaceae
Genius: Bromus L.



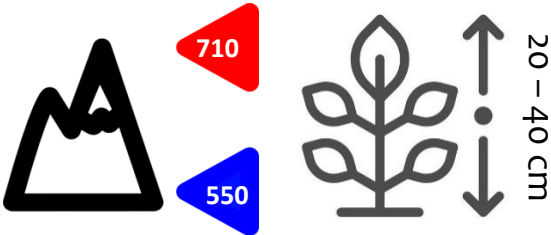
Broom brome

الشويعرة

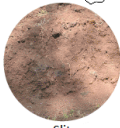


Therophytes plants
Scientific name: *Bromus scoparius*
Kingdom: *Plantae*
Phylum: *tracheophyta*
Class: *Magnoliopsida*
Order: *Poales*
Family: *Poaceae*
Genius: *Bromus L.*

Kaa



Sandy



Silt



Clay



Loamy

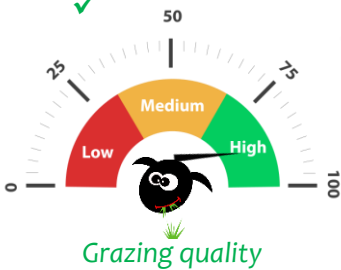
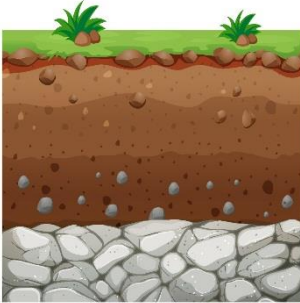


Annuals



Biennials

Perennials



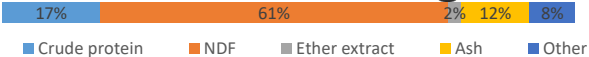
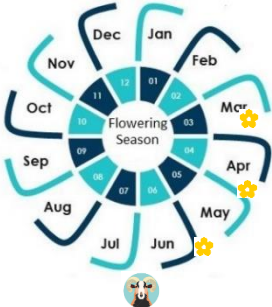
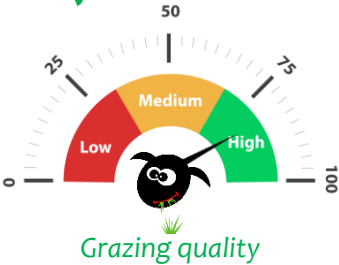
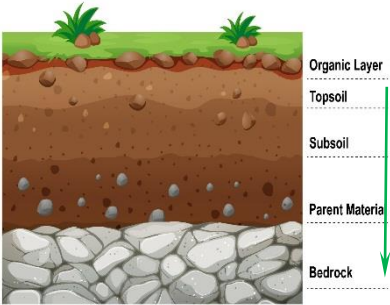
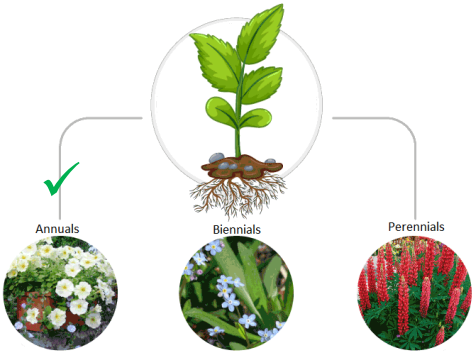
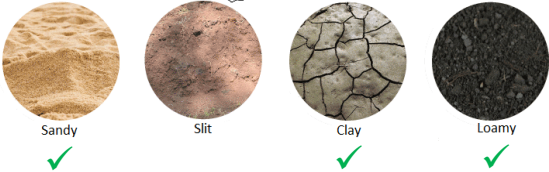
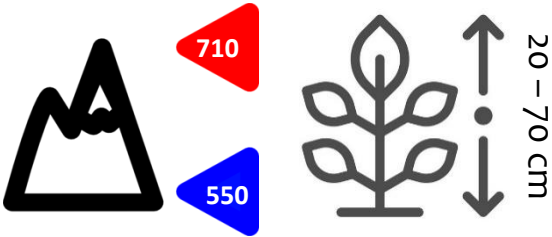
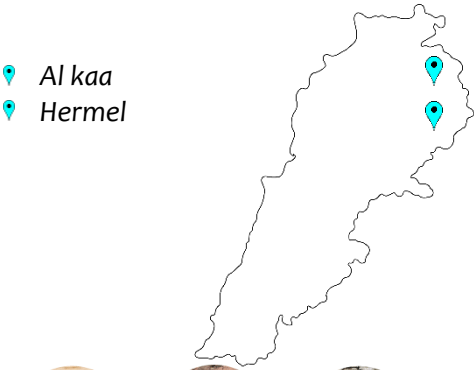
Crude protein NDF Ether extract Ash Other

Cheat grass

ثرغول السطوح



Therophytes plants
Scientific name: *Bromus tectorum*
Kingdom: *Plantae*
Phylum: *Magnoliophyta*
Class: *Liliopsida*
Order: *Cyperales*
Family: *Poaceae*
Genius: *Bromus L.*

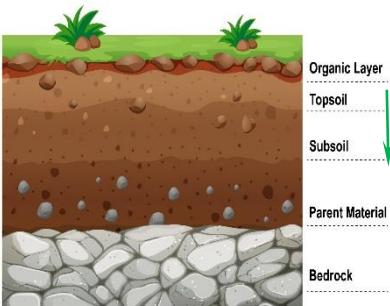
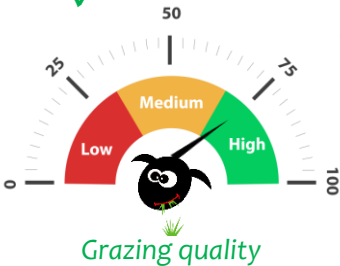
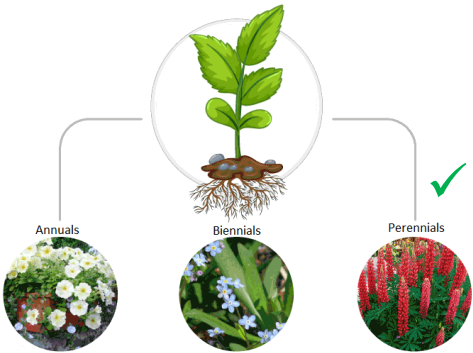
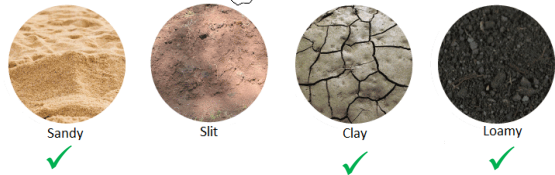
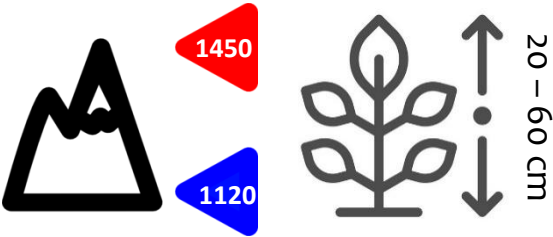
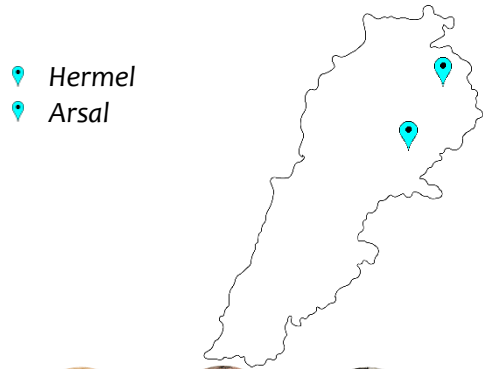


Wooly brome

ثرغل لبيدي



Therophytes plants
Scientific name: *Bromus tomentellus*
Kingdom: Plantae
Phylum: tracheophyta
Class: Magnoliopsida
Order: Poales
Family: Poaceae
Genus: Bromus L.

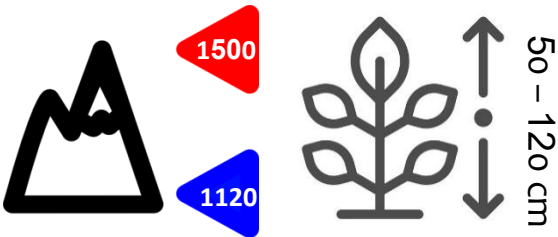


Orchard grass

ثيل عمران



Geophytes plants
Scientific name: *Dactylis glomerata*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Cyperales
Family: Poaceae
Genus: *Dactylis* L.



Sandy



Slit



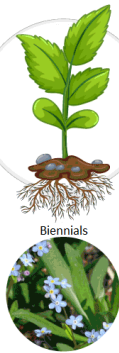
Clay



Loamy



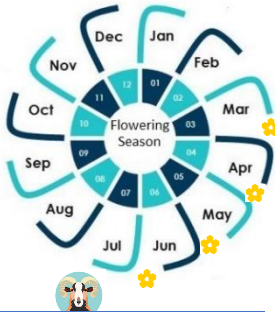
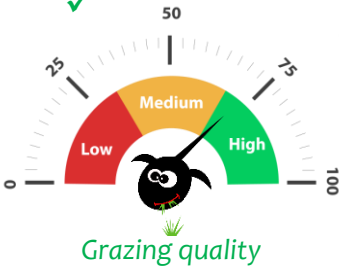
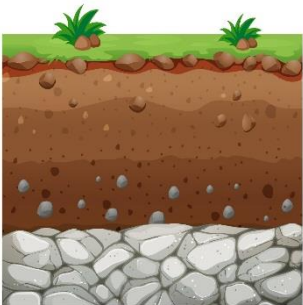
Annuals



Biennials



Perennials

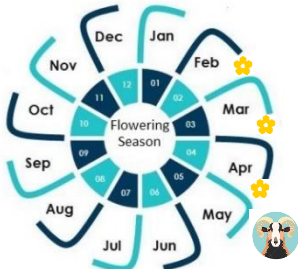
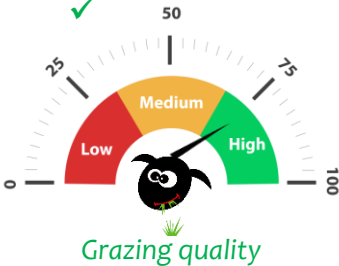
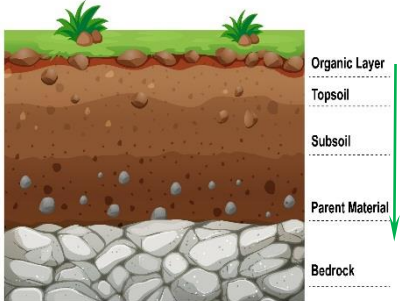
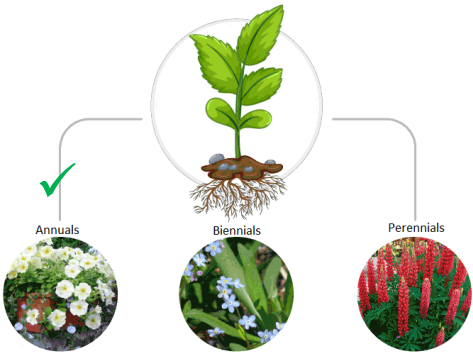
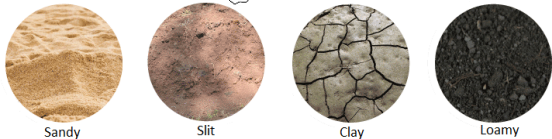
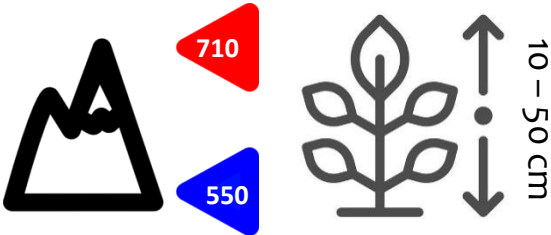


Pin clover

الرقمة الشوكرانية



Therophytes plants
Scientific name: *Erodium cicutarium*
Kingdom: Plantae
Phylum: tracheophyta
Class: Magnoliopsida
Order: Geraniales
Family: Geraniaceae
Genus: Erodium



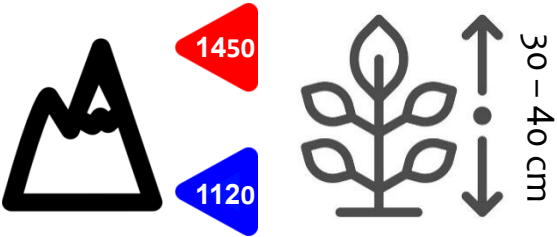
Volga fescue

فستوكة قصبية

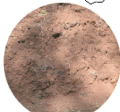


Hemicryptophytes plants
Scientific name: Festuca valesiaca
Kingdom: Plantae
Phylum: tracheophyta
Class: Magnoliopsida
Order: Poales
Family: Poaceae
Genus: Festuca.

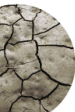
Arsal



Sandy



Slit



Clay



Loamy



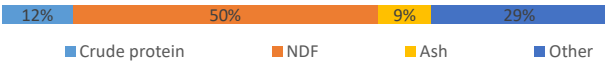
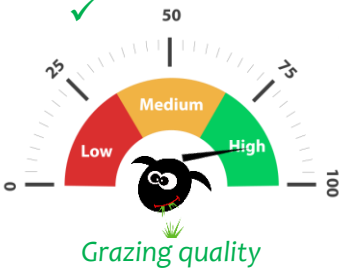
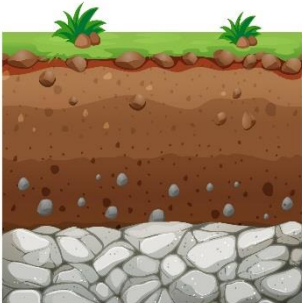
Annuals



Biennials



Perennials

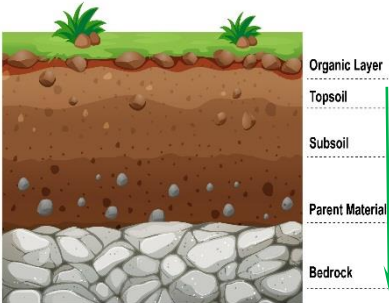
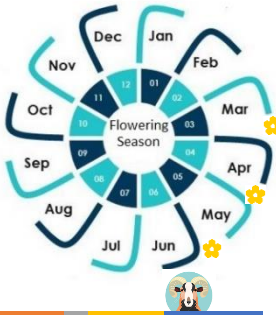
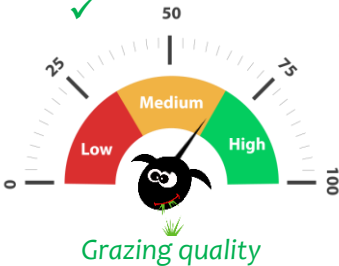
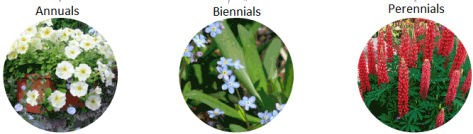
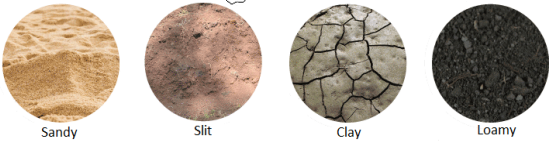
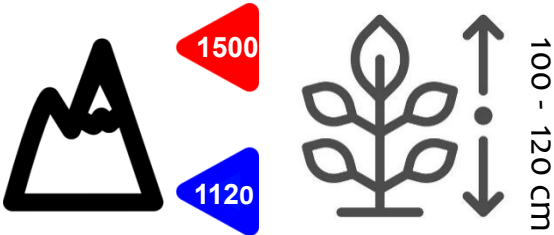


Bulbous Barley

شعير بري



Geophytes plants
Scientific name: *Hordeum bulbosum*
Kingdom: *Plantae*
Phylum: *tracheophyta*
Class: *Magnoliopsida*
Order: *Poales*
Family: *Poaceae*
Genus: *Hordeum*

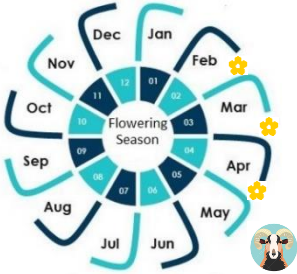
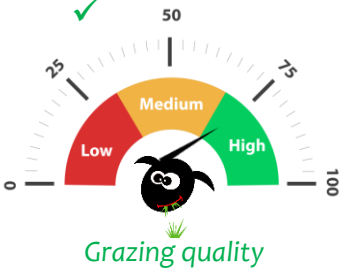
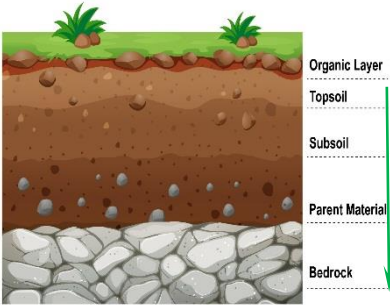
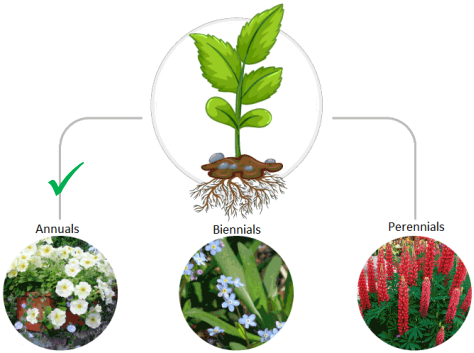
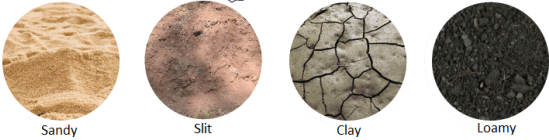
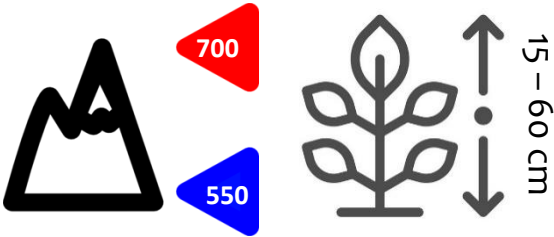


Northern Barley-grass

شعر الدب



Therophytes plants
Scientific name: *Hordeum glaucum*
Kingdom: Plantae
Phylum: Magnoliophyta
Class: Liliopsida
Order: Cyperales
Family: Poaceae
Genus: Hordeum

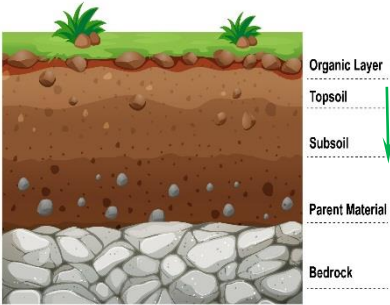
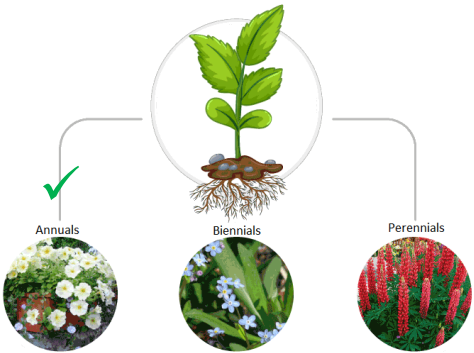
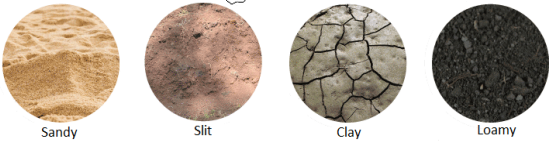
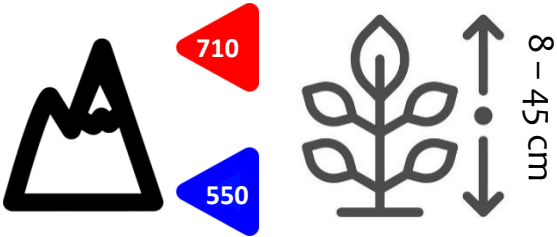


Mediterranean Hair-grass

الخوفيرة



Therophytes plants
Scientific name: *Rostraria cristata*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Poales
Family: Poaceae
Genus: Rostraria

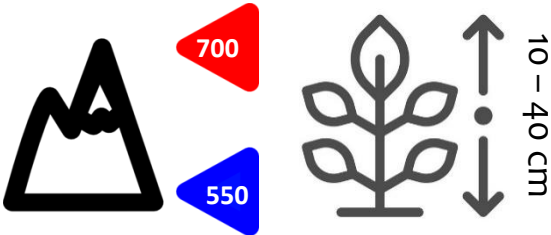


Rough Hawkbit

سن الأسد



Therophytes plants
Scientific name: *Leontodon hispidus*
Kingdom: Plantae
Phylum: tracheophyta
Class: Magnoliopsida
Order: Asterales
Family: Asteraceae
Genius: Leontodon



Al kaa



Sandy



Slit



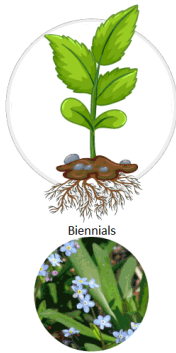
Clay



Loamy



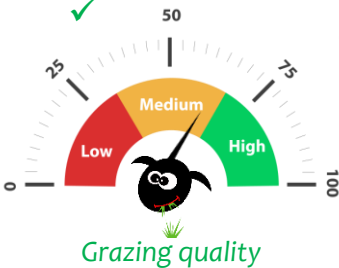
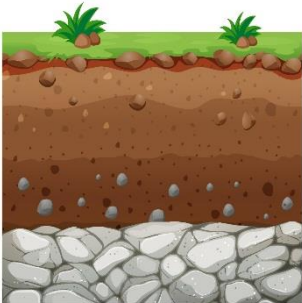
Annuals



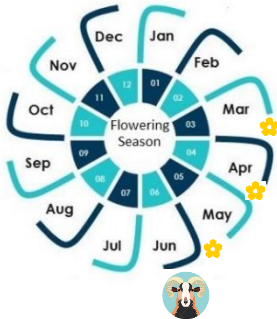
Biennials



Perennials



Grazing quality

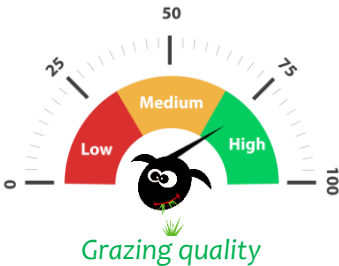
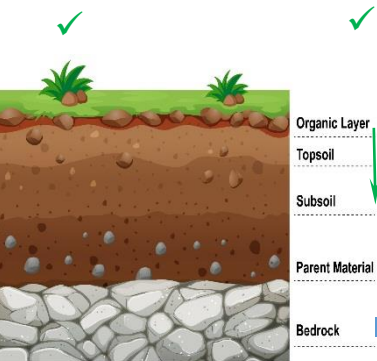
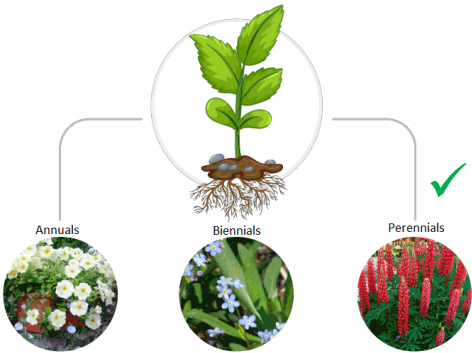
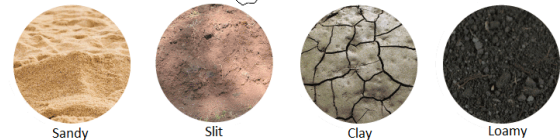
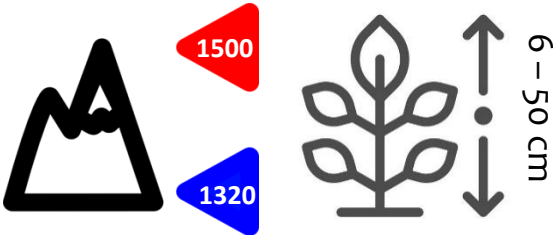


English ryegrass

الشيلم المعمرة



Hemicryptophytes plants
Scientific name: *Lolium perenne*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Cyperales
Family: Poaceae
Genius: lolium



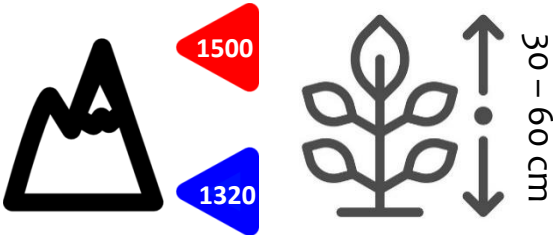
■ Crude protein ■ NDF ■ Ether extract ■ Ash ■ Other

Melic grass

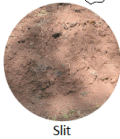


مليقه متباينه العصفات

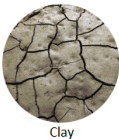
Hemicryptophytes plants
Scientific name: *Melica inaequiglumis*
Boiss
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Poales
Family: Melica
Genius: Melica



Sandy



Silt



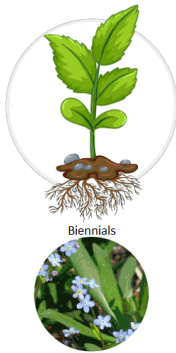
Clay



Loamy



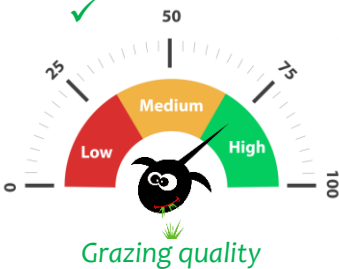
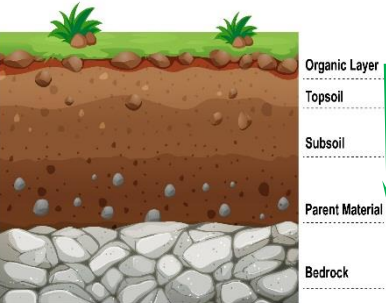
Annuals



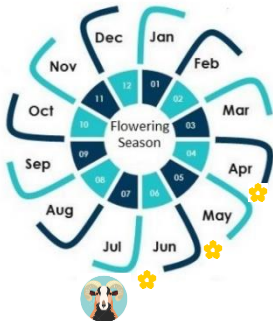
Biennials



Perennials



Grazing quality

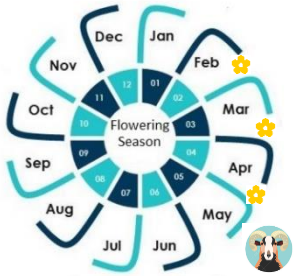
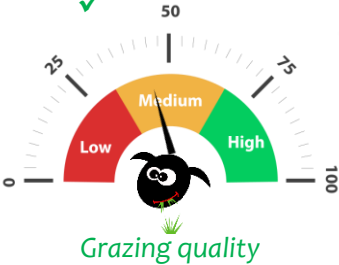
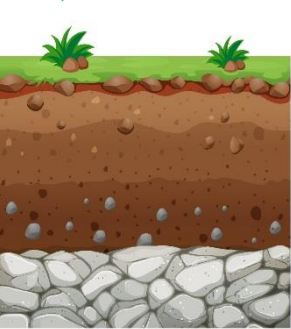
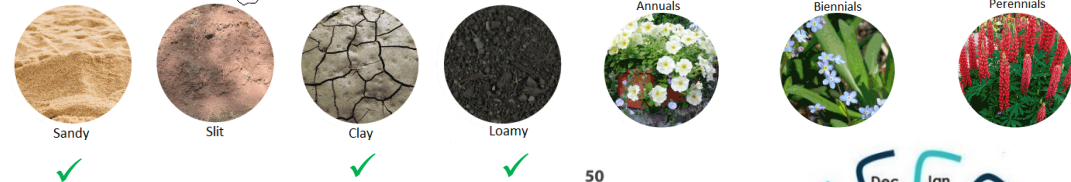
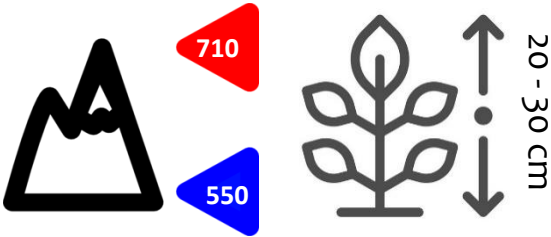
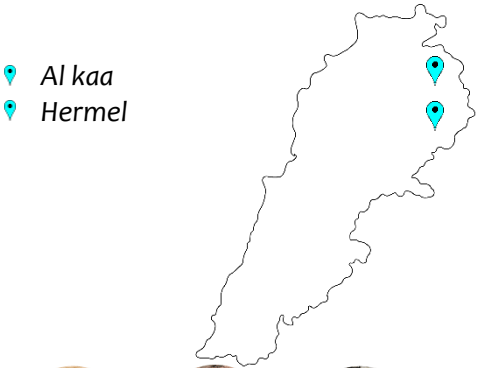


Cock's head

ضرر العجوز



Therophytes plants
Scientific name: *Onobrychis crista-galli*
Kingdom: Plantae
Phylum: Tracheophyta
Class: Magnoliopsida
Order: Fabales
Family: Fabaceae
Genius: Onobrychis

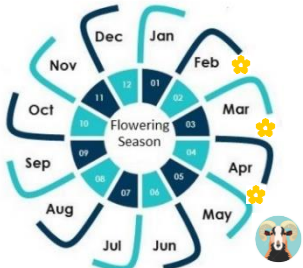
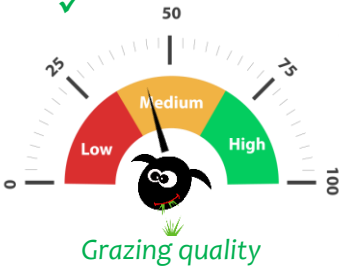
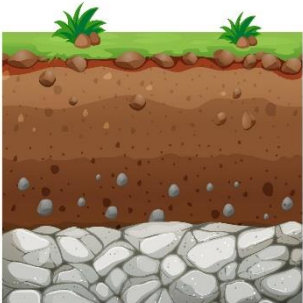
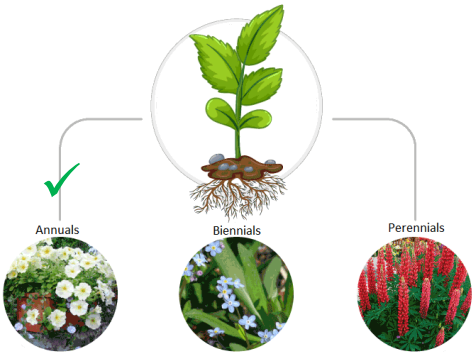
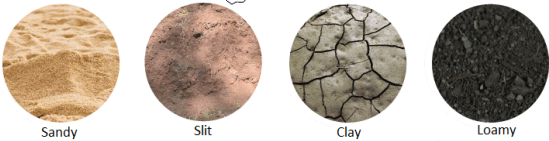
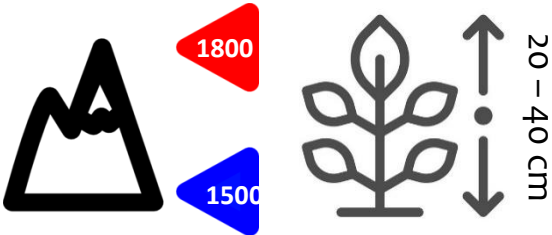
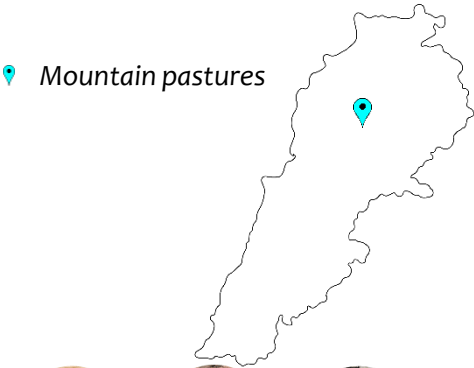


onobrychis hemicycla

القطب شبه المستدير



Theroophytes plants
Scientific name: *onobrychis hemicycla*
Kingdom: Plantae
Phylum: Tracheophyta
Class: Magnoliopsida
Order: Fabales
Family: Fabaceae
Genius: Onobrychis

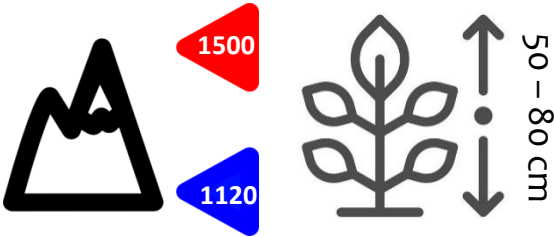


Ricegrass

رزية دخنية الشكل



Geophytes plants
Scientific name: *Oryzopsis holciformis*
Kingdom: Plantae
Phylum: tracheophyta
Class: Magnoliopsida
Order: Poales
Family: Poaceae
Genus: *Oryzopsis*



Sandy



Silt



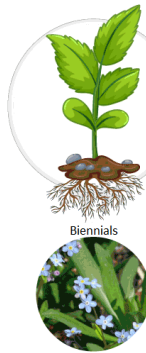
Clay



Loamy



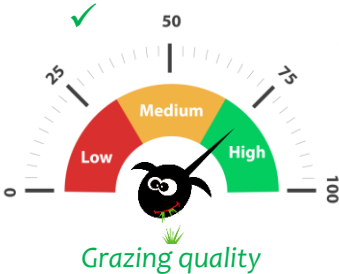
Annuals



Biennials



Perennials



Grazing quality

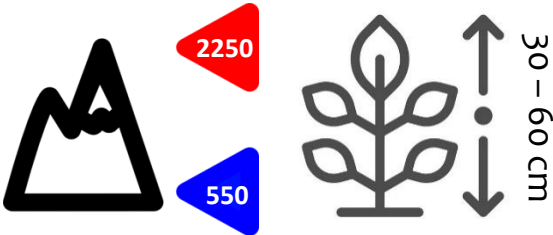


Bulbous Bluegrass

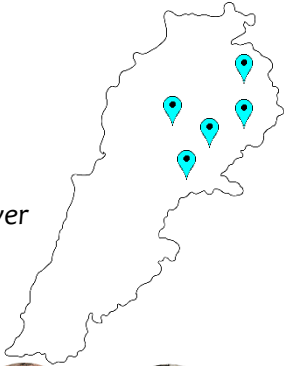
كلية



Geophytes plants
Scientific name: *Poa bulbosa*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Poales
Family: Poaceae
Genus: *Poa* L.



- Al kaa
- Hermel
- Arsal
- Anjar
- Deir el Achayer
- Ainata



Sandy



Silt



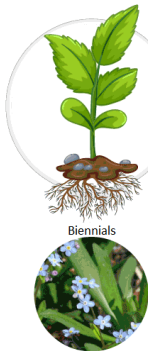
Clay



Loamy

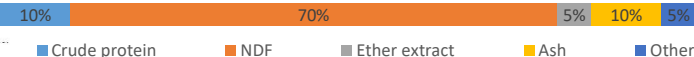
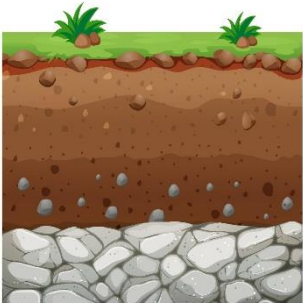
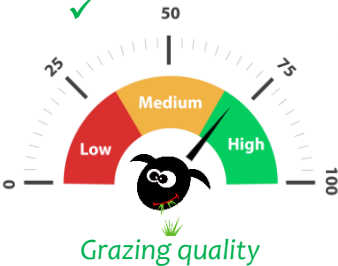


Annuals



Biennials

Perennials

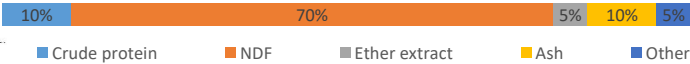
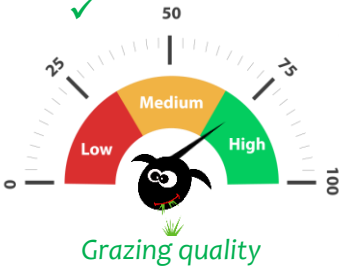
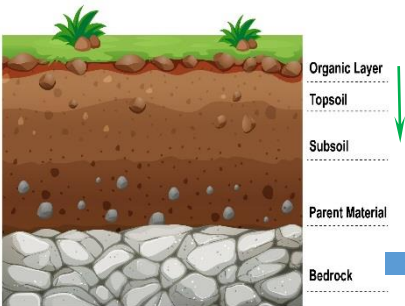
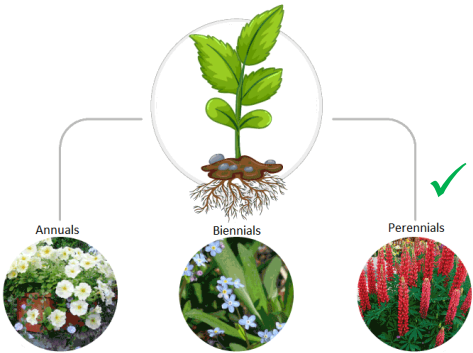
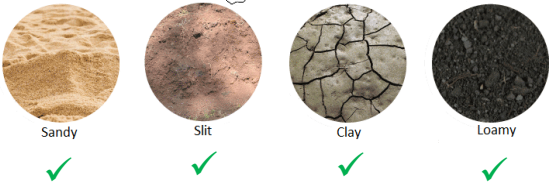
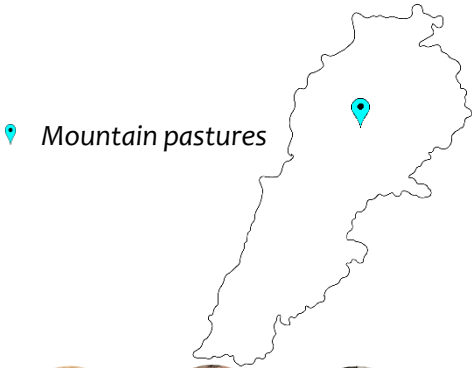
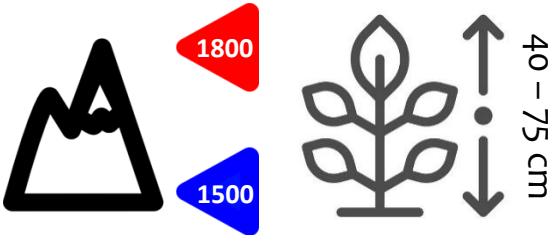


Diversely-leaved Meadow Grass

تف مختلف الورق



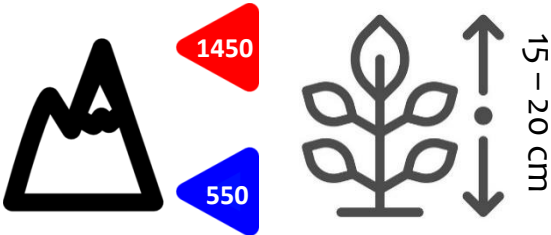
Geophytes plants
Scientific name: *Poa diversifolia*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Poales
Family: Poaceae
Genus: Poa L.



Poa timoleontis



Geophytes plants
Scientific name: *Poa timoleontis*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Poales
Family: Poaceae
Genus: *Poa* L.



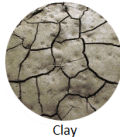
Al kaa
Arsal



Sandy
✓



Slit
✓



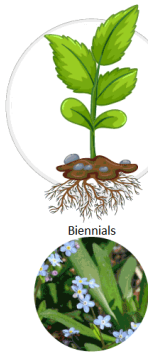
Clay
✓



Loamy
✓



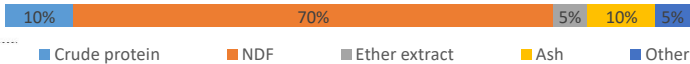
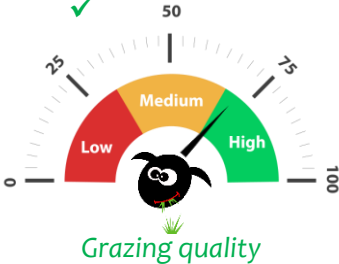
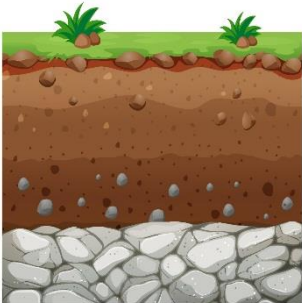
Annuals



Biennials



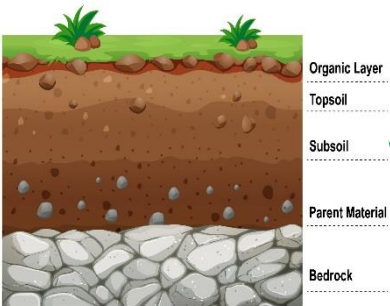
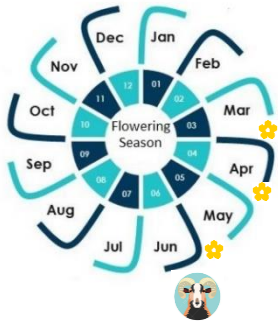
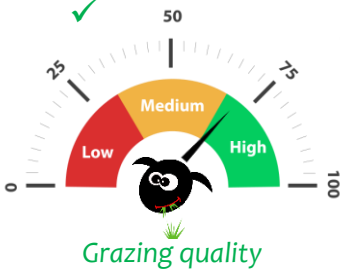
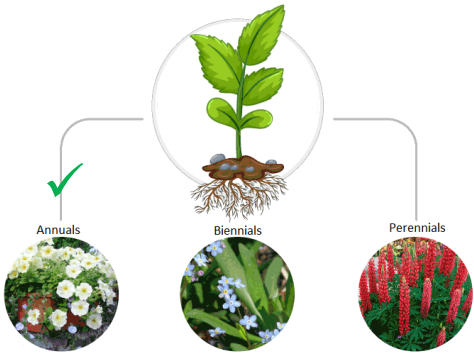
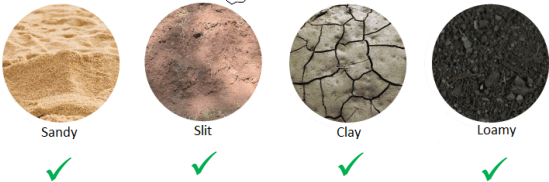
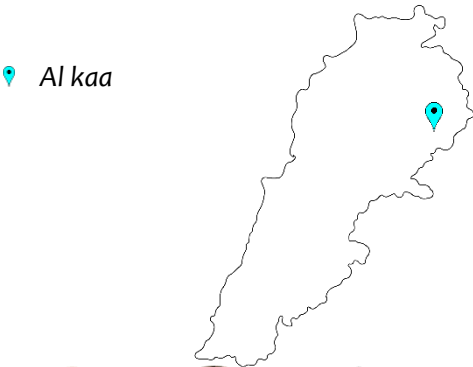
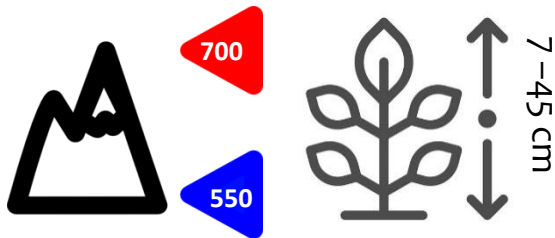
Perennials
✓



Bristle-tail Grass



Therophytes plants
Scientific name: *Psilurus incurvus*
Kingdom: *Plantae*
Phylum: *tracheophyta*
Class: *Magnoliopsida*
Order: *Poales*
Family: *Poaceae*
Genus: *Psilurus*



Mediterranean saltwort

الروثا



Chamaephytes plants
Scientific name: *Salsola vermiculata*
Kingdom: Plantae
Phylum: Spermatophyta
Class: Dicotyledona
Order: Caryophyllale
Family: Chenopodiaceae
Genus: Salsola



Sandy



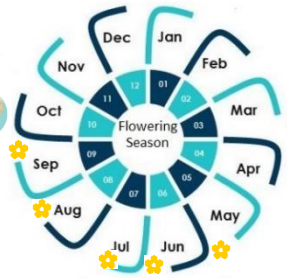
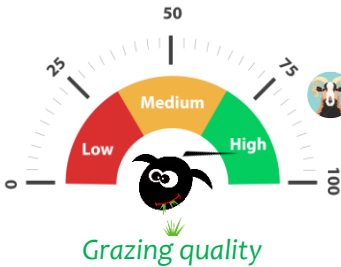
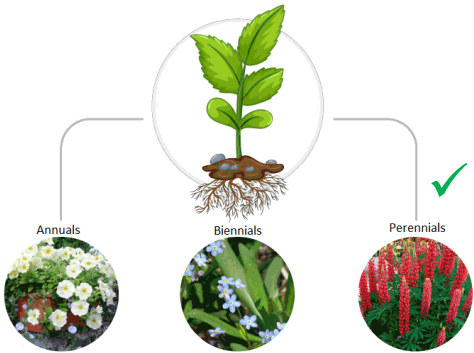
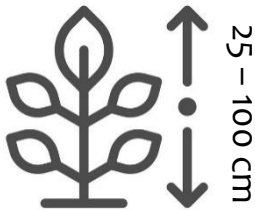
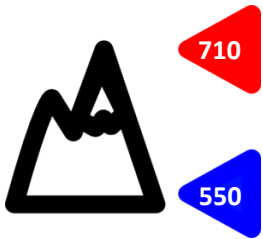
Silt



Clay



Loamy



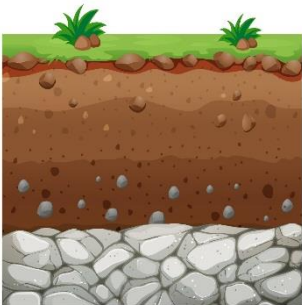
Crude protein

crude fiber

Ether extract

Ash

Other



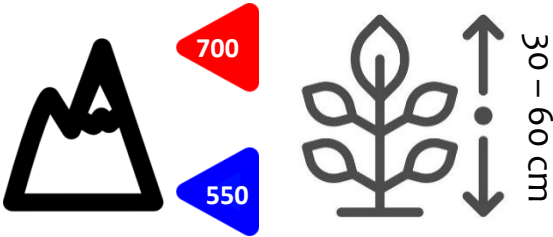
Salsify

الدَّبَح

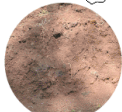


Geophytes plants
Scientific name: *Scorzonera lanata*
Kingdom: Plantae
Phylum: tracheophyta
Class: Magnoliopsid
Order: Asterales
Family: Asteraceae
Genius: Scorzonera

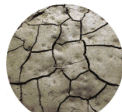
Al kaa



Sandy



Silt



Clay



Loamy



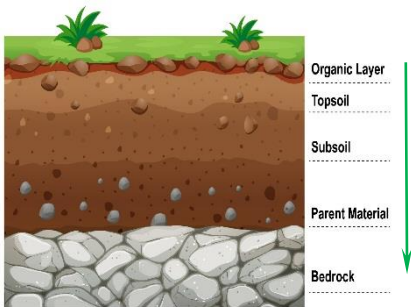
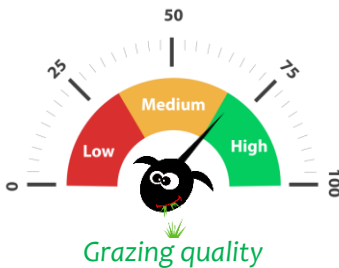
Annuals



Biennials



Perennials

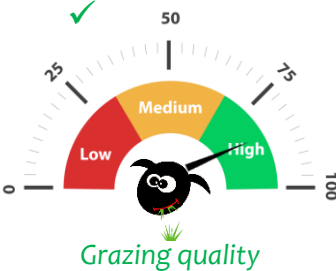
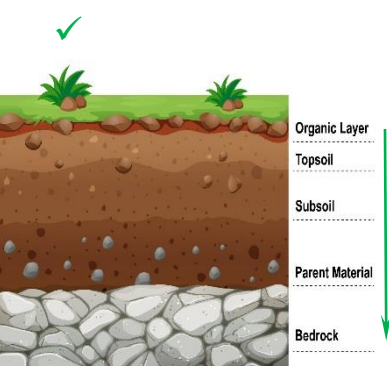
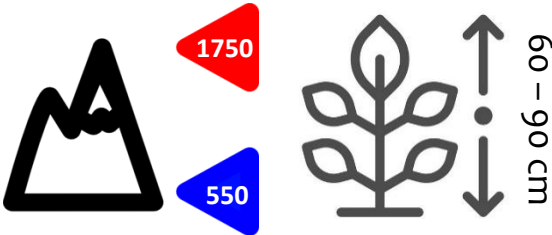
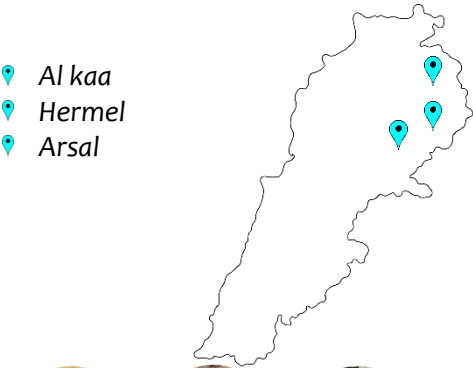


Silver feather grass

عدم شوفاني



Hemicryptophytes plants
Scientific name: *Stipa barbata*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Poales
Family: Poaceae
Genius: stipa

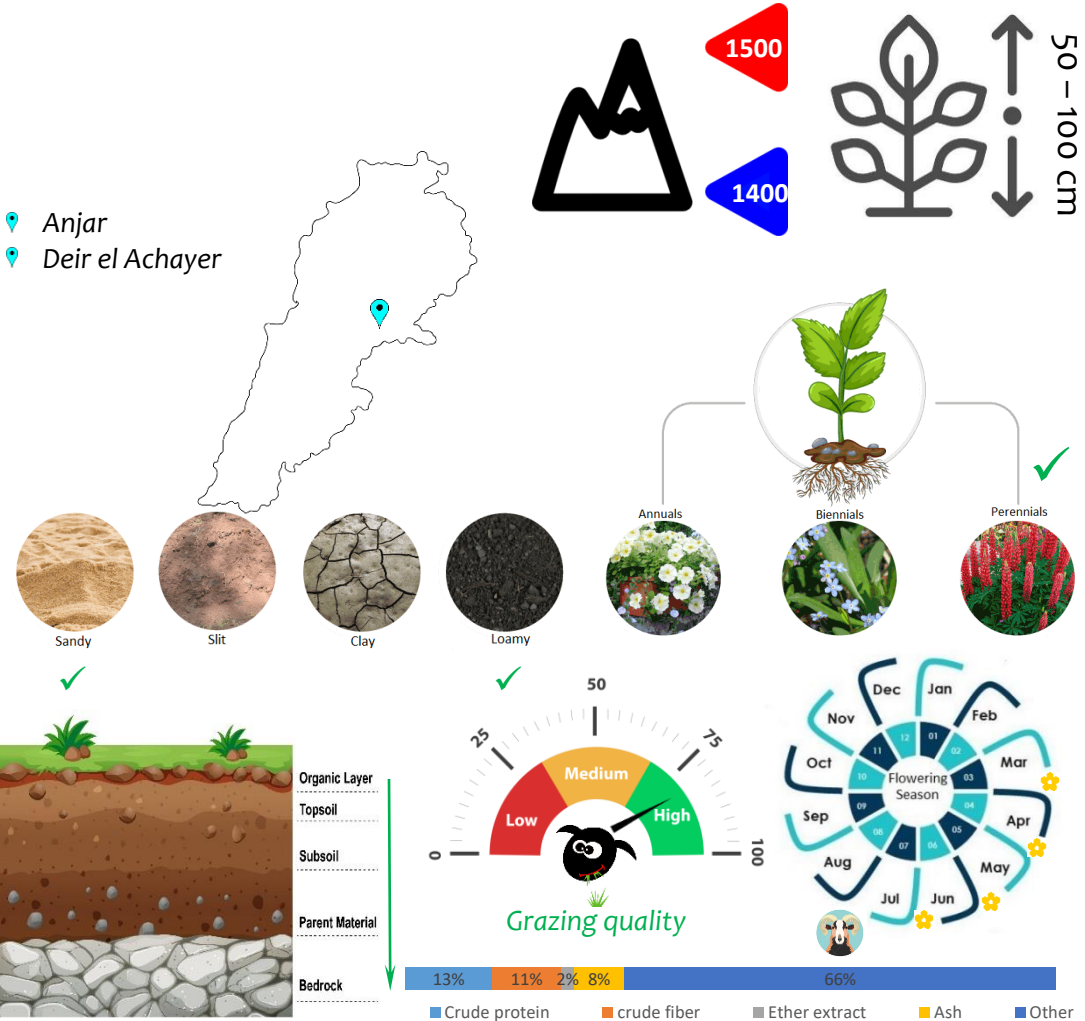


Brome Feather Grass

حلفاء ثرغولية



Hemicryptophytes plants
Scientific name: *Stipa bromoides*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Cyperales
Family: Poaceae
Genus: Stipa



Brome Feather Grass



Hemicryptophytes plants
Scientific name: *stipa parviflora*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Cyperales
Family: Poaceae
Genus: Stipa

Al kaa
Arsal



Silt



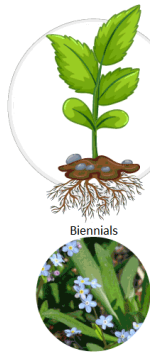
Clay



Loamy



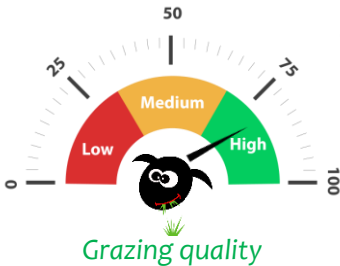
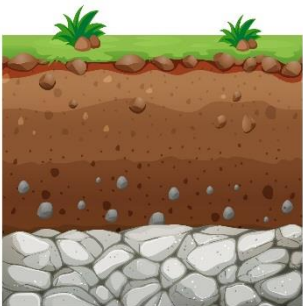
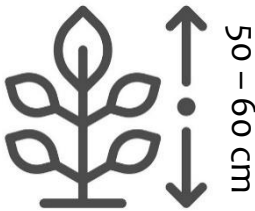
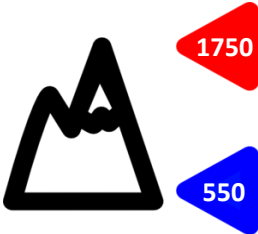
Annuals



Biennials



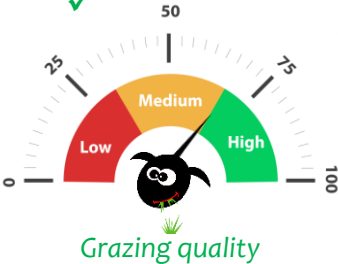
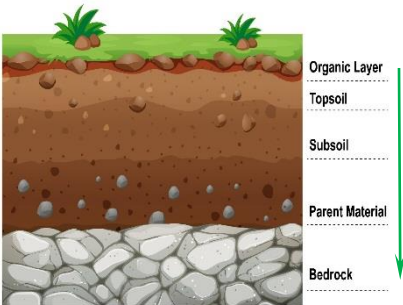
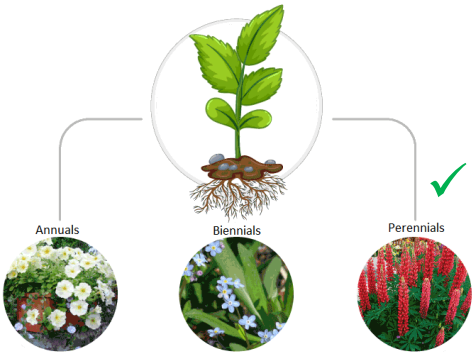
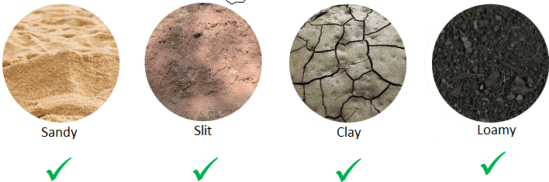
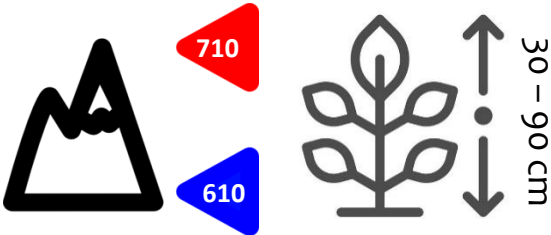
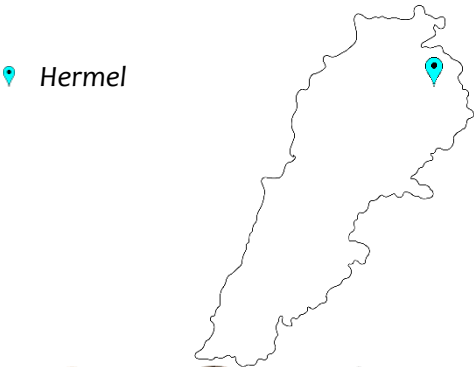
Perennials



Desert needlegrass



Hemicryptophytes plants
Scientific name: *Stipa speciose*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Poales
Family: Poaceae
Genus: Pappostipa



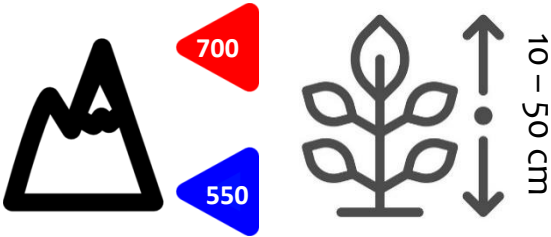
Ball cotton clover

النفل الحبي



Therophytes plants
Scientific name: *Trifolium pilulare*
Kingdom: Plantae
Phylum: tracheophyta
Class: Magnoliopsida
Order: Fabales
Family: Fabaceae
Genus: Trifolium

Al kaa



Sandy



Slit



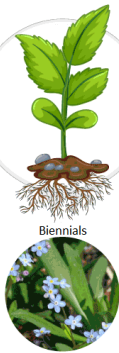
Clay



Loamy



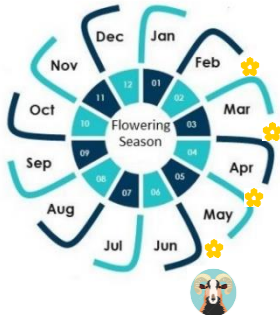
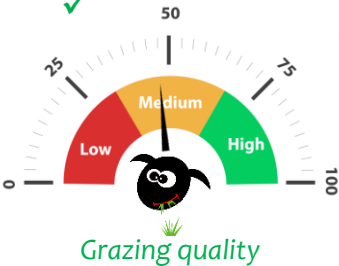
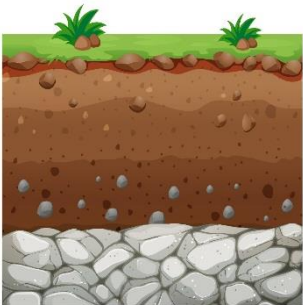
Annuals



Biennials



Perennials



Mediterranean grass

الشسموس العربي



Therophytes plants
Scientific name: *Schismus arabicus*
Kingdom: Plantae
Phylum: tracheophyta
Class: Liliopsida
Order: Cyperales
Family: Poaceae
Genus: Schismus

