

A Rocha Lebanon

-

November 2023



# Mowing solutions





## **Selective mowing:**

New hosts in Mekse, a herd of geese will be used for grazing new planted plots







As for extensive mowing, it requires bigger livestock...

... and in  
biggest  
number.

Abu Fadi and  
his herd...



... is like a  
kind among  
his subjects.





**New plantations**

Planted in November

Qty	Scientific name	English	Français	عربي لبناني
<b>TREES</b>				
40	Melia azedarach	Persian lilac	Lilas de Perse	زردخست
5	Prunus persica	Peach tree	Pêcher	درق
5	Pyrus communis	Pear tree	Poirier	أجاص
5	Prunus armeniaca	Apricot tree	Abricotier	مشمش
5	Prunus avium	Cherry tree	Cerisier rouge	كرز إراني
5	Prunus avium	Cherry tree	Cerisier blanc	كرز فرعني
5	Malus sieversii	Apple tree	Pommier	تفاح أحمر
5	Malus sieversii	Apple tree	Pommier	تفاح أبيض
5	Diospyros kaki	Persimmon tree	Kaki	كاكجي أو خرما
5	Chaenomeles/Pseudocydonia sinensis	Quince tree	Cognassier de Chine	ساقر جل
5	Prunus amygdalus/dulcis	Sweet almond tree	Amandier	لوز
35	Vitis vinifera	Vine	Vigne rustique	عنب
5	Jasminum	Jasmine	Jasmin d'Italie	ياسمين إيطالي
5	Prunus domestica	Plum tree	Prunier vert	خوخ حنر بك
10	Juglans regia	walnut	Noyer	جوز
2	Eucalyptus	Eucalyptus	Eucalyptus	كينيا
2	Pauwlonia	Pauwlonia	Pauwlonia	بالونيا
5	Fraxinus sryriaca	Narrow-leafed ash	Frêne de Syrie	مران سوري
5	Malus trilobata	Three-lobed apple tree	Pommier sauvage du Liban	تفاح بري
10	Celtis australis	European nettle tree	Micocoulier	ميس
5	Pinus brutia	Turkish pine	Pin de Calabre	صنوبر بروتي
2	Arbutus andrachne	Greek strawberry tree	Arbousier de chypre	قطلب عتكو له
3	Juniperus oxycedrus	Cade juniper	Genévrier cade	عرعر كادي
10	Styrax officinalis	Styrax officinalis	Aliboufier	أبني
5	Pistachia palaestina	Terebinth	Pistachier térébinthe	بطم ترينتي
<b>SHRUBS</b>				
10	Lavandula sloechas	Spanish lavender	Lavande papillon	خرامة مكوه
10	Cistus creticus	Pink rock-rose	Ciste de Crête	قريضة كريتية
10	Cistus salvifolius	Sage-leaved rock-rose	Ciste à feuilles de sauge	قريضة مرمرية
10	Salvia fruticosa	Greek sage	Sauge arbusive	قصعين/مرمرية يونانية
3	Cymbopogon	Citronella grass	Citronnelle	سليمون بوجون/أشيء أخضر

Here is the list of planted trees (237 individuals from 31 species).

However, planting is not only putting a tree in a hole, it is developing a new habitat on a plot. And the tree's roots need to already find this habitat the trees will develop. They need the living soil, rich in nutrient and fungi.

Hence, we prepared the holes by bringing samples of the soil and fungi that will help to the growth of the trees from already existing forests.

The soil of oak trees forests above Kefraya is rich in two mycorrhizal mushrooms: Blue Band Brittlegill (*Russula chloroides*) and ruby boletes (*Hortiboletus rubellus*).

Here we cleaned up the litter and removed the soil under the mushroom, revealing the roots of the oak tree it is bonded with.

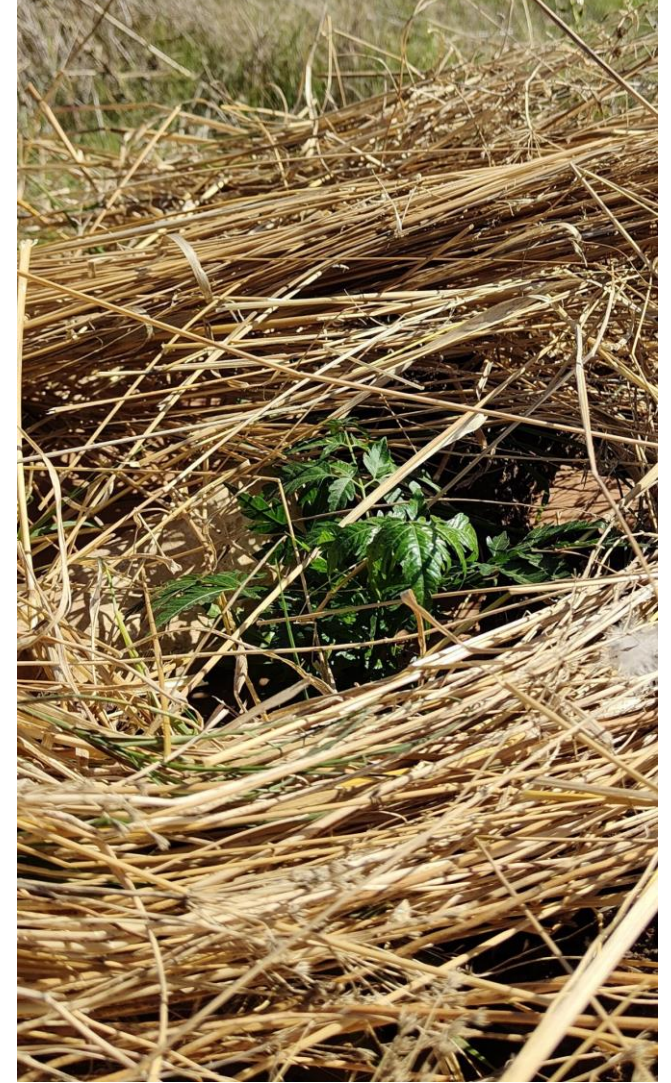




The fruit body contains thousands of spores that we will inoculate in the soil put with the seedlings.



We collect the fruit bodies but also samples of the soil that will accompany the sapling on its new place.



Trees grow into forests, but they already need the conditions of the forest to grow, first of all its plant litter, humid and rich in microorganisms. Cardboard, manure and straw form a mulch and imitate this litter.

Plantation of  
two plots of  
fruit trees.



There are two ways to protect a sapling from the competitive plants:

- To clean the ground from all living forms, which result in the death of the soil,
- To cover with additional biomass, which result in additional power of life.







Beans are legumes (*Fabaceae*), their roots bond with a symbiotic bacteria that has the ability of fixing nitrogen from its atmospheric form. It is particularly important for fruit trees which need additional nutrients to produce fruits.



Active composting is through fermentation of a mix of grass, leaves (here reed), manure and netles. Water it, turn it upside down every two days...



**Pruning season**



Pine tree



Juda tree





Pomegrenade





Processionary caterpillars on origano and minth (left) and caterpillar of the moth *Cossus cossus* (right)



For more details, see our new article on [Moths of Lebanon](https://wildlebanon.org) on [wildlebanon.org](https://wildlebanon.org)





**Days of rain are festivals of rainbows**



In case of double-rainbow, the upper arc's colors are inverted (blue is above and purple below)



# First snows



Mont Sannine



Mont  
Hermont



**See you  
next  
month**