

Field data (Each questionnaire refers to one crop species cultivated per field)

Municipality : Gouria Etoloakarnanias

Latitude : 38.476281

Longitude : 21.266986



Field Size (ha) 0.5

Crop Species

<input type="checkbox"/> olives	<input type="checkbox"/> vineyards	<input type="checkbox"/> apples	<input type="checkbox"/> pears
<input type="checkbox"/> peaches	<input type="checkbox"/> apricot	<input type="checkbox"/> nectarine	<input type="checkbox"/> plum
<input type="checkbox"/> cherries	<input checked="" type="checkbox"/> oranges	<input type="checkbox"/> tangerines	<input type="checkbox"/> lemons
<input type="checkbox"/> grapefruit	<input type="checkbox"/> hazelnuts	<input type="checkbox"/> chestnuts	<input type="checkbox"/> almonds

Variety of crop Navelina

Age of crop 35

Density of crop (trees/ha) 340

Width between cultivated rows (m) 5

Distance between trees (m) 5

Crop form

Crop forms for vineyard



Vase



Espalier



Marquee

Crop forms for Olive



Ancient olives



Vase (1 stem)



Vase (2-3 stems from soil)



Bush (intensive 250-600 trees/ha)



Superintensive (>1500 trees/ha)

Crop forms for fruit trees



Natural



Vase



Bush/Globe (very small trees)



Spindle/Pyramid



Palm/Fan



Epsilon transversal

Slope (%)

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Soil Cover



Bare.No grass cover.  
Tillage several times per  
year



Seasonal occurrence.  
Herbicides+mowing <50%  
soil cover



>50% grass cover.  
Mowed several times per  
year



100% Grass cover.  
Mowed several times per  
year

## Crop Yield

Average Crop yield (t/ha) \_\_\_\_\_

Irrigation

rain fed       partial irrigation       fully irrigated

Intensification degree

Specify the amount of fertilizer and pesticides

organic       low       intermediate  
 high

## Plantation Removal Information

Were the plants removed at a typical age for such crops ?

Yes       Older than typical  
 Younger than typical       Don't know

Reason for plantation removal

Old age (renovation)       Change of crop  
 Change of variety       Change of planting pattern  
 Plant disease

Equipment for uprooting

Felling with chainsaws       Uprooting with excavators

Intended use of the plantation

Check how do you manage/use the plantation removal wood for each part of the plantation. Check as many as apply

	Roots	Stems	Thick branches	Fine branches
Abandoned at field side	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burnt in fires at open air	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mulched as soil cover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shredding and integration to soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Firewood	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specify the minimum diameter you consider for 'thick' branches used as firewood (mm) \_\_\_\_\_

Cost for removing 1 hectare when contracted to a company (€/ha) \_\_\_\_\_

Date of Measurement  
(DD/MM/YY)

01/02/09

Mode of measurement  
Specify the method used for  
plantation removal measurement

Per tree



One or several single trees selected. Biomass per tree collected manually and weighted

Per parcel (e.g. 100m<sup>2</sup>) in bags



One or several parcels selected. Each parcel several trees. Biomass per parcel collected manually and weighted

Per several rows (or in whole field)



On large parcel, or a whole field is selected. Biomass collected and loaded to a truck. Weight of the load taken on a scale for trucks

**Amount of plantation removed**

Specify the tonnes per hectare of plantation removed and measured. Specify the moisture content if available. Check which part of the plantation is measured and the form of the material-"A":whole piece, "B":chips. Check as many as apply

	Part of plantation measured	Amount (t/ha)	Moisture content (%)	Form of material:	
				A	B
Full tree (high content of soil)	<input type="checkbox"/>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Full tree (low content of soil; roots have been cleaned/shaked)	<input type="checkbox"/>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Only tree base and root (with much soil)	<input type="checkbox"/>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Only the tree base and root (high content of soil)	<input type="checkbox"/>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Only aerial part (stem+branches)	<input type="checkbox"/>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Only stem	<input checked="" type="checkbox"/>	80	_____	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Only branches	<input type="checkbox"/>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Only stem + thick branches	<input type="checkbox"/>	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

Losses of biomass after harvesting

(%) \_\_\_\_\_ or (tonnes/ha) \_\_\_\_\_

uP\_running project. Interview with farmer from past (Jan/Feb 2009) up-rooting experience. Only the firewood produced by the plantation removal was measured.

