

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

Municipality : Trapezonti

Latitude : 37.004508

Longitude : 22.462064



Field Size (ha) 1.56

- Crop Species
- | | | | |
|--|------------------------------------|-------------------------------------|----------------------------------|
| <input checked="" 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 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 Koutsourelia, Koroneiki

Age of crop 20-40

Density of crop (trees/ha) 211.5

Width between cultivated rows (m) _____

Distance between trees (m) _____

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 (%)

5

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) 11.54

Crop yield before measurement (t/ha) 7.7

Amount of product obtained for the year that the pruning measurement is performed in tonnes per hectare

Irrigation rain fed partial irrigation fully irrigated

Intensification degree organic low intermediate
Specify the amount of fertilizer and pesticides high

Pruning Operations Performed (prior to measurement)

Type of pruning Maintenance Grafting
 Structuring Topping
 Removal of old branches Blooming

Pruning Method Only manually Mechanised pre-pruning + manual Fully mechanised

Pruning Operations

Specify the pruning operations that are carried out. Check as many as apply.



Manually shears



Assisted shears



Chainsaw/armchainsaw



pre-pruner:hedge trimmer



pre-pruner:discs



pre-pruning topping

Season of pruning
Check as many as apply

- | | | | |
|---|-----------------------------------|-----------------------------------|-----------------------------------|
| <input checked="" type="checkbox"/> January | <input type="checkbox"/> February | <input type="checkbox"/> March | <input type="checkbox"/> April |
| <input type="checkbox"/> May | <input type="checkbox"/> June | <input type="checkbox"/> July | <input type="checkbox"/> August |
| <input type="checkbox"/> September | <input type="checkbox"/> October | <input type="checkbox"/> November | <input type="checkbox"/> December |

Frequency of pruning

- | | | | |
|--|-----------------------------------|-----------------------------------|---|
| <input checked="" type="checkbox"/> annual | <input type="checkbox"/> biannual | <input type="checkbox"/> biennial | <input type="checkbox"/> Once per years |
|--|-----------------------------------|-----------------------------------|---|

Was this type of pruning
performed as usual ?

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Yes, it was
performed as usual | <input type="checkbox"/> No, less intense
than usual | <input type="checkbox"/> No, more intense
than usual |
|---|---|---|

Describe the ammount
of prunings produced
compared to other years

- | | | |
|------------------------------------|------------------------------------|--|
| <input type="checkbox"/> Much Less | <input type="checkbox"/> Less | <input checked="" type="checkbox"/> Same |
| <input type="checkbox"/> More | <input type="checkbox"/> Much more | |

Reason for different
ammount of prunings
produced ?

- | | |
|--|---|
| <input type="checkbox"/> Pruning Intensity | <input type="checkbox"/> Accumulation of previous years |
| <input type="checkbox"/> Weather | |

Pruning Measurement

Date of Measurement
(DD/MM/YY)

20/4/18

Mode of measurement

Specify the method used for pruning measurement

Per tree



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

Per parcel (e.g. 100m²) 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

Total Area measured (m²) : 10000

Amount of prunings obtained (t/ha)

Specify the tonnes per hectare of prunings collected from the crop

1.6

Losses of prunings that weren't harvested (t/ha)

How many days the prunings were on soil before measuring (days)

1

Moisture content (%)

Specify the moisture content (%) of the biomass collected if available

26.5

Contact Data

Name : Golemis Nikolaos

Email : _____

Phone : _____

Profession : Farmer

Country : Greece

It is the fourth demonstration performed at 20/4/2018 by CERTH and INASO-PASEGES in the region of Sparti.

In the framework of this demonstration 3 different type of tractors have been used. The first one was a New Holland, ~70 hp tractor which was used for the needs of the static chipper. The other two were Ford, ~47 and 50 hp tractors, which were used in order to transport the chippers in the final storage side of the EAS Lakonias cooperative.



Photos

