

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

Municipality : Livadeia

Latitude : 38.578015

Longitude : 22.818558



Field Size (ha) 1

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 Kothreiki

Age of crop 71

Density of crop (trees/ha) 150

Width between cultivated rows (m) 8.0

Distance between trees (m) 8.0

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

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) 6.0

Crop yield before measurement (t/ha) 3.5

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 type="checkbox"/> January | <input type="checkbox"/> February | <input checked="" 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)

21/3/18

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

2

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

0

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

Moisture content (%)

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

19.9

Contact Data

Name : Anestis George

Email :

Phone :

Profession : Farmer

Country : Greece

It is the third demonstration performed at 21/3/2018 by CERTH and INASO-PASEGES in the region of Livadeia

For the needs of this demonstration 1 ha of olive prunings were collected with the FACMA machinery. It is recorded that for these 1 ha, 2 trucks were needed. Every truck could transport prunings from 4 lines. It is also recorded that the tractor velocity was 1.5 km/hr and that 40 lt of oil were consumed for the tractor's needs.

An average of a line's pass was 7 minutes.



Photos

