

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

Municipality : Cascajera (Fuendejalón)

Latitude : 41.760000

Longitude : -1.480000



Field Size (ha) _____

- Crop Species
- | | | | |
|-------------------------------------|---|-------------------------------------|----------------------------------|
| <input type="checkbox"/> olives | <input checked="" 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 Garnacha

Age of crop 23

Density of crop (trees/ha) 2222

Width between cultivated rows (m) 3.0

Distance between trees (m) 1.5

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 (%)

0

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) 6.4

Crop yield before measurement (t/ha) 5.63

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 checked="" 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 checked="" 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 type="checkbox"/> Same |
| <input checked="" 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 checked="" type="checkbox"/> Weather | |

Pruning Measurement

Date of Measurement
(DD/MM/YY)

14/03/17

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

Total Area measured (m2) : 36

~~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 prunings obtained (t/ha)

Specify the tonnes per hectare of prunings collected from the crop

2.1134

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

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

0

Moisture content (%)

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

50

uP_running project field measurement performed by CIRCE.

"Based on a visual observation and estimations by the field technician the vegetative grow of the vineyard shoots was larger this campaign due to more rains during spring 2016. Accordingly the measured biomass production from prunings is estimated to be higher by 20-30% compared to the typical yield."

"De acuerdo a las observaciones y estimaciones del técnico de ATRIA de la zona, el crecimiento vegetativo de los sarmientos fue mayor esta campaña debido a la mayor pluviometría primaveral de 2016. Es así que la biomasa medida podría ser mayor de lo habitual, estimándose en un 20-30% superior a otros años"



Photos

