

LCA questionnaire - AGROSTRAT LIFE11 ENV/GR/951

<https://www.agrostrat.gr/en>

A. GENERAL CHARACTERISTICS

1. Please specify the cultivated area of pistachio trees in your orchard (in hectares or m²)?

2. Which is the number of cultivated pistachio trees per hectare?

3. Which is the mean-life of cultivated pistachio trees?

4. Please specify the net *Pistachia vera* L. production for each of the past 5 years? (kg or tonnes)

2012	2013	2014	2015	2016

5. Please specify the open-split pistachio vera L. production for each of the past 5 years? (kg or tonnes)

2012	2013	2014	2015	2016

6. Is there any co-cultivation of the pistachio trees with other cultivation species? If yes, please specify your answer

7. What is the approximate distance between orchard/farmyard and the garage/storage building of your machinery?

8. What is the approximate distance between your orchard/farmyard and the storage building of the final product?

9. What is the approximate distance between your orchard/farmyard and the processing area of the crop product?

B. AGRICULTURAL PRACTICES

10. Please specify the organic load of the chemical fertilizers that you apply in your orchard

11. What is the type of chemical fertilizers applied in your orchard?

Number	Type/Name	Other
1		
2		
3		
4		

12. Which is the supplier of the chemical fertilizers applied (e.g. Agricultural Association, Agronomist, Shop, Other farmer, etc.)

**13. Which is the nutrient load of the organic fertilizers applied in your orchard?
What is the type of organic fertilizers applied in your orchard?**

14. Which is the supplier of the organic fertilizers applied (eg. Agricultural Association, Agronomist, Shop, Other farmer, etc.)

15. Types of Agrochemicals used in your orchard

N/P/K content per ha/year			
	compost	manure	other
N (Nitrogen) in kg			
P (Phosphorus) in kg			
K (Potassium) in kg			
<i>Total content per ha/year (in tonnes)</i>			

	Total content per ha/year (in tonnes or liters)	Type/Name	Supplier
Type of fungicide			
Type of insecticide			
Type of herbicide			
Type of bactericide			

C. IRRIGATION PRACTICES

16. Please specify the type and quantity of the water for irrigation applied in your orchard.

<i>Irrigation source</i>	<i>Quantity per ha/year (in m³)</i>	<i>More information</i>
<input type="checkbox"/> Domestic (Water, surface)		Cost per m ³ (in €)? Residential or Agricultural Tariff?
<input type="checkbox"/> Private (Groundwater)		Total water table when constructed (in m)?
<input type="checkbox"/> Cistern/Water Reservoir		Water reservoir volume (in m ³)? Construction material?
<input type="checkbox"/> Other, please specify		

17. Irrigation equipment

<i>Question</i>	<i>Answer</i>	
Irrigation type	<input type="checkbox"/> Surface irrigation <input type="checkbox"/> Underground drip <input type="checkbox"/> Above ground drip <input type="checkbox"/> Sprinkler system(Micro-Spinkler) <input type="checkbox"/> Other	
Pipe length (in meters per 0.1 ha)		
Pipe construction material		
Drilling pump (name)		
Drilling pump (supply per hour)		
Water table	Winter	Summer
Tank size (in m ³)		
Tank construction material		
Irrigation water quality characteristics		

D. OTHER AGRICULTURAL PRACTICES

18. Operations in the field

<i>Type of field operations</i>	<i>Total working hours per year</i>	<i>Number of employees</i>	<i>Time Period eg. From October to November</i>	<i>Type of machinery</i>	<i>Total operation hours of machinery per year</i>
Tillage-weeding					
Hoeing					
Planting of nursery trees					
Grafting					
Pruning(by hand)					
Mechanical pruning					
Chemical fertilizer application					
Chemical fertilizer application					
Pesticide Spraying					
Irrigation					
Harvesting					

19. Operations outside the orchard

<i>Type of operations</i>	<i>Total operation hours of machinery per year</i>	<i>Type of machinery</i>	<i>Cost per kg of marketable product</i>	<i>Other</i>
Transporting of harvest product				
Dehulling				
Sorting/Pre-cleaning				
Drying/Roasting				
Grading				
Other (please specify)				

20. Total cost until the final product (in €)

21. Wastage (%) (From harvesting until final product)

22. Type of dehulling (on field or outside the field)

E. ENERGETIC DEMANDS (in orchards)

23. Annual consumption of diesel (in Liters)

24. Annual consumption of electricity (in kWh)

25. Annual consumption of lubricants for machinery (in Liters)

Z. WASTE MANAGEMENT PRACTISES

26. Which type of waste management is used for the solid waste of your crop?

<i>Type of waste</i>	<i>Waste management*</i>	<i>Quantity/ ha/year (in kg)</i>
Shells		
Pruning waste		
Pesticides (packaging)		
Waste plastic		
Other, please specify		

* Please choose: combustion, recycling, landfill, compost production, other

PERSONAL DETAILS (Optional answer)

Surname	
Name	
Occupation/Membership	
Gender	
Age	
Address	
E-mail	

FOR QUESTIONS - INFORMATION

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