



MODULE 1 SUSTAINABLE AGRO-LIVESTOCK FARM AND ANIMAL WELFARE: METHOD, TECHNIQUE, AND EXPERIENCES

UNIT 3 Economic aspects of animal welfare

ASSIGNMENT CASE STUDY

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Agro-livestock farm "Le due Torri" and Animal welfare



- The farmer participated in Measure 14 on Animal welfare within Regional Development Plans (RDPs) in 2017 making the necessary investments to improve animal welfare with an investment of around 70,000 euros.
- Farm management costs increased by approximately 5%



- Making the necessary investments to improve animal welfare:
 - introduction of technical-structural
 - improvements and adaptations (temperature control, air quality, manure management)
 - preparation and management of outer spaces food optimization and innovation
 - hygiene and sanitary interventions.
- Offsetting the increase in production costs, linked with:
 - expansion of farming areas
 - stock density reduction
 - prolonged working times due to more accurate management of the animals



Agro-livestock farm "Le due Torri" and Animal welfare



- The farmer receives subsidies for 5 years which are calculated on the basis of the number of livestock units multiplied by a maximum of € 500/LSU/year
- In 2019 the animal welfare subsidies amounted to 58,447 euros (137.2 LU x 426 euros / LU)

Livestock capital at first January 2019
Chianina cattle with Protected Geographical Indication (PGI)

Categoria	n.	Age in months	Total weight (kg)	Average weight per animal (kg)	Total value (euros)	Value per animal (euros)		Livestock unit coefficients (LU)	Number LU
Calves in weaning	18	4	640	35,56	25.200		1400	0,4	7,2
Light bullocks and heifers (<400 kg)	30	9	10.500	350,00	51.000		1700	0,4	12
Heavy bullocks and heifers (> 400 kg)	25	15	11.250	450,00	67.500		2700	0,6	15
Bullocks in finishing	10	20	7.500	750,00	37.000		3700	0,6	6
Cows	80	80	72.000	900,00	224.000		2800	1	80
Heifers	12	15	7.200	600,00	30.000		2500	1	12
Bulls	5	60	5.500	1.100,00	24.000		4800	1	5
Totale	180		114.590		458.700				137,2

Agro-livestock farm "Le due Torri"



THE DATA PROVIDED ON EXCEL FILE (Sweda_Module1_Unit3_Assignment):

- Costs and revenues of all farm, year 2019
- Costs and revenues of the husbandry, year 2019
- Assets and liabilities on 31 December 2019

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Agro-livestock farm "Le due Torri"

Job to do



Use all the information provided in the attached Excel file for:

- 1. Build the Farm Income Statement (Farm income calculation)
- Build the Husbandry Income Statement (Husbandry income calculation)
- 3. Build the Farm Balance sheet in its general format
- 4. Calculate the liquidity and Solvency ratios (Balance sheet analysis)
- 5. Measure the Farm Profitability and Efficiency
- 6. Briefly comment on the results obtained

Note: working schemes have also been set in the attached file

