



cooperfrutas

Cooperativa de Produtores de Fruta
e Produtos Hortícolas de Alcobaça, CRL.

Presentation of Cooperfrutas, CRL (Portugal)

“Fruits production with valorisation of waste and residues as biocompost”

Topics

Management Plan Electric Power

Decrease waste

Valorisation of residues as biocompost



Our Goals

Resource efficiency

- Profitability of assets
- Introduction of new technologies
- Automation of Production Processes



Produce with quality

- Adoption of good cultural practices and integrated agricultural ecosystems.



Cooperate

- Development partnerships in product promotion, social inclusion and cooperation.



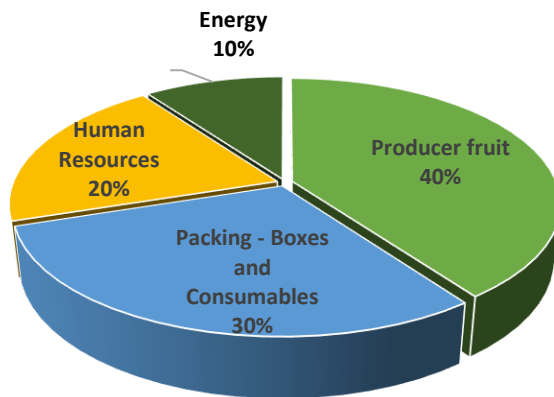
Innovate

- Innovation projects with other entities.
 - joint projects



In central fruit warehouse has implement a Ractionalization Plan of Electric Power

Energy as a crucial factor in the management strategy and CO2 reduction.



Analysis of energy consumption.

Implement strategies to reduce energy costs associated with fruit conservation.

Relate consumption with fruit stocks.

To quantify the cost - benefit of fruit conservation.

Installed a photovoltaic power production

1020 modules.



Reduction 10-12% of costs of energy.

Total
Connectivity
Power 250 kWp.



Reduces annual emissions of 85 tons of CO₂, equivalent to planting a forest with the approximate size of 19 football stadiums.

Year	Fruit Production	Kw / kg - €	% Photovoltaic	Plan of Electric Power
2022-2023	15 000	0,0301	9-10%	3-5%
2021-2022	14 321			
2020-2021	13 681			
2019-2020	13 034			
2018-2019	10 782	0,0310	11%	
2017-2018	12 061	0,0346	11%	
2016-2017	7 278	0,0388	12%	
2015-2016	7 872	0,0389	13%	



Campaign (01 Julhy – 30 june)	Rocha Pear - ton	Apple - ton
2022-2023 *	10 150	4 850
2021-2022 *	9 684	4 637
2020-2021 *	9 269	4 412
2019-2020	8 859	4 175
2018-2019	7 237	3 545
2017-2018	8 137	3 924
2016-2017	5 212	2 066
2015-2016	4 555	3 317

5-6 %
fruits marketed for
industry



Decrease waste - Transforming fruit

Add value

Reapprove and value the quantity of apple and pear not marketed fresh.



Offer of new products

Product extended period of conservation and healthy. 100% fruit from the producers of this cooperative, without any added sugar.

Reduce food waste



Produced with 100% fruit without added sugar

Biocompost

Sustainability

Using waste produced
Reduced CO2

Social

Help to improve good environment
support social causes
and actions for the environment



Economics

Implement Economics
Circular

Communication

Packing with
sustainability information

Biocompost - Target

Nº Tons Waste Organic Collected	8
Distribucion and local shop	35
Social responsibility actions / year	25
Number of bags	4000
Tons / Composting for orchards and gardens	4000

Product development matured, stable, rich in organic matter and mineral elements

Marketed in paper bags of 750 grams and has as destination the domestic use in small vegetable gardens, pots with aromatic plants or flower pots

