



# The evolution of the everbearer:

*Results of today and the opportunities of tomorrow*

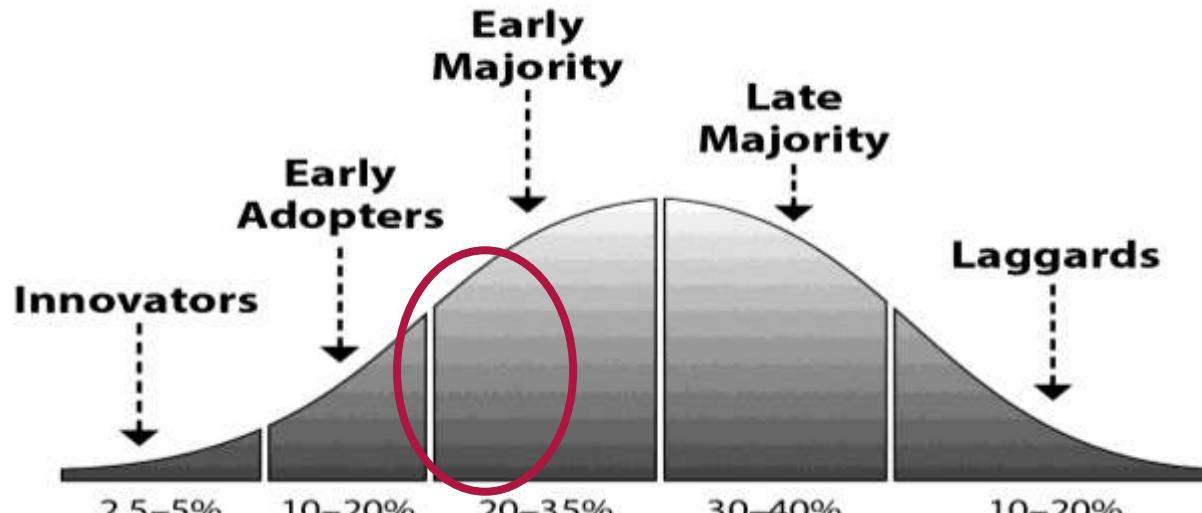
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# Innovation Adoption Lifecycle: The evolution of the everbearer



*Innovation theory Everett Rogers*

# Balance of today's everbearer cultivation

## Advantages:

- Long harvesting period
- Good results: production, fruit size and flavor

## Challenges:

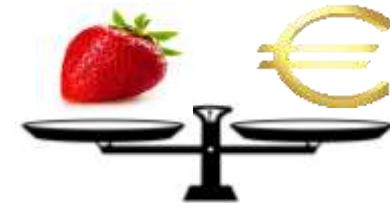
- Labor (amount & fluctuation)
- Yield pattern
- Fruit quality true the production season
- Pests & diseases



# Set points cost price calculation

Keyfigures	June-bearer First	June-bearer Second	Everbearer Average effort	Everbearer High effort
Planttype	Trayplant	Trayplant	Minitray	Minitray
Plants per running meter	10	10	6	6
Price per plant	€ 0,45	€ 0,45	€ 0,50	€ 0,50
Production KG/plant	0,50	0,40	1,20	1,50
Production ha	35.000kg	28.000kg	52.500kg	63.000kg
Harvest effeciency/hour	22,5	20,0	17,5	20,0
Labor cultivation (hours)	1000	800	1750	2250
Labor overhead (hours)	50	50	100	100
Labor harvesting (hours)	1556	1400	2880	3150

Key figures company	
Write-off costs/ha general assets	€ 4.600
Write-off tabletop system/ha	€ 17.200
Running meter tabletop/ha	7000 meter
Hourly rate overhead	€ 27,00
Hourly rate production	€ 15,00



# Calculation cost price per KG (fictional)

	June-bearer (two cultivations)	Everbearer (average effort)	Everbearer (high effort)
Depreciation of assets	€/kg	€/kg	€/kg
Write-off general	€ 0,07	€ 0,09	€ 0,07
Write-off tabletop system	€ 0,27	€ 0,34	€ 0,27
<b>Total depreciation of assets</b>	<b>€ 0,35</b>	<b>€ 0,43</b>	<b>€ 0,35</b>
<b>Direct costs</b>			
Plantmaterial	€ 1,00	€ 0,42	€ 0,33
IPM	€ 0,06	€ 0,16	€ 0,13
<i>Crop protection products</i>	<i>€ 0,03</i>	<i>€ 0,04</i>	<i>€ 0,03</i>
<i>Biological control</i>	<i>€ 0,03</i>	<i>€ 0,12</i>	<i>€ 0,10</i>
Substrate	€ 0,08	€ 0,08	€ 0,07
Fertilizers	€ 0,04	€ 0,05	€ 0,04
Other costs	€ 0,08	€ 0,10	€ 0,08
<b>Total Direct costs</b>	<b>€ 1,26</b>	<b>€ 0,81</b>	<b>€ 0,65</b>
<b>Labor costs</b>			
Labor cultivation	€ 0,43	€ 0,52	€ 0,54
Labor overhead	€ 0,04	€ 0,05	€ 0,04
Labor harvesting	€ 0,70	€ 0,86	€ 0,75
<b>Total Labor costs</b>	<b>€ 1,17</b>	<b>€ 1,43</b>	<b>€ 1,33</b>
<b>Auction/transport costs</b>	<b>€ 0,20</b>	<b>€ 0,20</b>	<b>€ 0,20</b>
<b>Total costs</b>	<b>€ 2,98</b>	<b>€ 2,87</b>	<b>€ 2,52</b>



# Optimizing results

## Reducing cost price

- High effort cultivation
  - Increases yield -> reduces costs per KG
  - Improves quality -> increases trust retail
- Optimizing plants per m1
  - Decreasing plants per m1:
    - Less production per m1, but more per plant
    - More space per plant -> less labor per m1
    - Less competition between plants -> increase quality



# Optimizing results Improving production

- Optimizing overall yield pattern
  - Using different plant types or plant dates
    - Spread of labor
    - Spread of overall production
    - Higher cost price
- Retaining plant balance
  - Removing trusses or limit fruits per truss
    - Keeping balance, but not practical

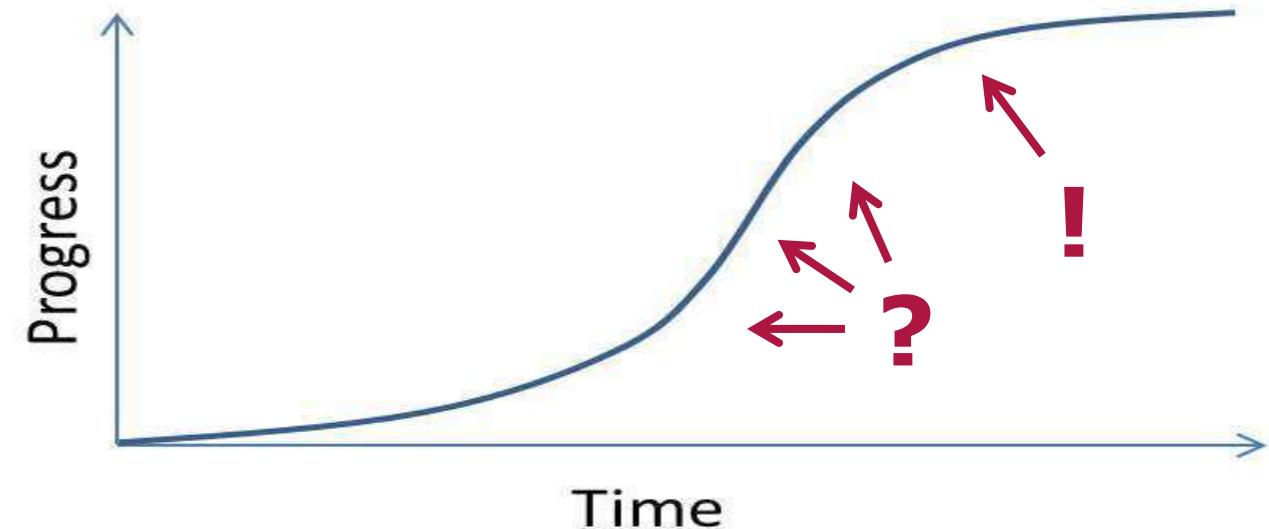
# Optimizing results by knowledge

## Knowledge = Power



# The Learning curve

**Progress:**  
Productivity  
Quality  
Results  
Knowledge



# Delphy research: Project Everbearer



Working on realization project!

- Goal: gaining knowledge!
- Intended long term project
- ~~Comparing varieties~~, Learning about each variety
- Practical setup
- Complete picture: production, quality, labor/costs



# Questions

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