

### AUTOGRASSMILK

# Economical evaluation of feeding costs in pilot farms at grazing

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# Economical evaluation of feeding costs in pilot farms at grazing

- How to evaluate ingested grass?
- Evaluation of grass available for the cows
- Evaluation of grass ingested by the cows

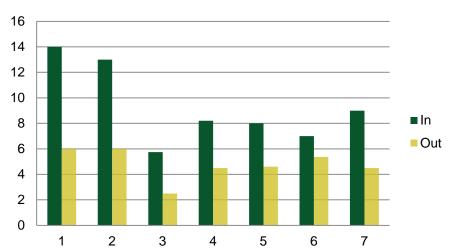




#### Evaluation of grass available for the cows

Estimation of grass height

June - Grass Height: measurements in/out





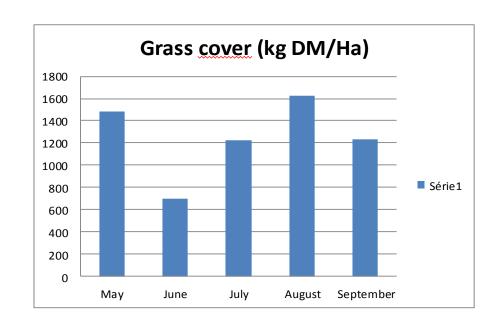




# Evaluation of grass available for the cows

Estimation of grass cover







# Evaluation of grass available for the cows

- Door opening at 6 AM
- Distribution TMR: 6 PM
- TMR = 13 kg DM (without conc.)
- In average:4 kg conc./cow/day

Parcel	Kg DM /cow/day
1	5,71
2	8,33
3	5,80
4	3,30
5	4,05
Mean	5,4





### **Evaluation of grass ingested**

How much grass ingested?

22 kg DM\*– DM TMR – DM concentrates = DM ingested grass

\*: reference value based on feed consumption in winter





### **Evaluation of grass ingested**

	DM TMR	DM TMR + conc	Grass ingested?	% grass
April	17,2	21,9	0,1	0,5%
7/5/2013 - 17/6/2013	12,6	17,2	4,8	22%
17/6/2013- 16/7/2013	11,7	15,5	6,5	30%
17/07/2013- 22/8/2013	13,2	17,2	4,8	22%
22/8/2013- 16/9/2013	13,7	16,9	5,1	23%
17/09/2013	15,6	18,7	3,3	15%
October	17,9	21,1	0,9	4%







#### **Feeding costs**

- 2 methods for estimation:
- Addition of costs of TMR + concentrates (1)
- Addition of costs of TMR + concentrates + grass production (2)





### **Feeding costs**

	Method 1	Method 2
Forages	Compensation wildlife	Compensation wildlife
Other feeds (wheat, corn, alfafa,)	Accountancy	Accountancy
Concentrates	Accountancy	Accountancy
Grass	_	% of grass valorised for grazing cows % applied to costs (seeds, fertilizers, energy, lease,)





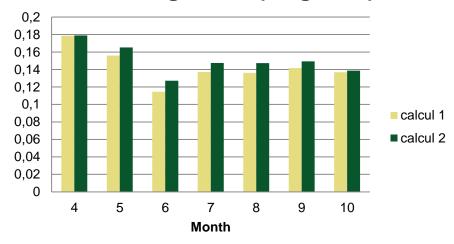


#### **Feeding costs**

#### Feeding costs method 1 et 2

Month	TMR (kg DM)	1	2
4	17,2	5,58	5,59
5	12,6	4,87	5,16
6	11,7	3,52	3,92
7	13,2	3,84	4,13
8	13,7	3,73	4,03
9	15,6	3,67	3,87
10	17,9	4,02	4,07

#### Feeding costs (€/kg milk)

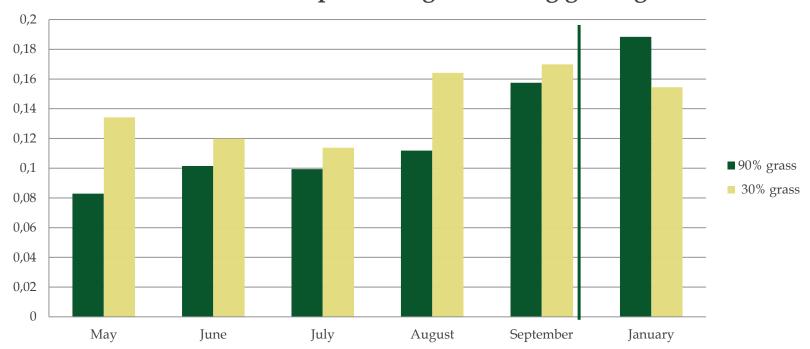






### Feeding costs: comparison of 2 pilot farms

Feeding costs (€/kg lait) in relationship with % grass during grazing









#### Conclusion

 Calculation methods require a good evaluation of













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