

Profit Ratio of the Supp-Le-Milk-System

Farm

230 DAN-breed sows

4-week-production-rythme => 3 weeks suckling time and groups of 45 sows farrowing

Using Supp-Le-Milk-System since april 2009

Costs for work

ca. 3rd day	045 min
- daily disinfection and mixing milk	
- starting the system incl. drenching deprived piglets and cleaning all cups	
following 5 days	150 min
- daily disinfection and mixing milk	
- checking the system and cleaning several cups	
following 10 days	200 min
- daily disinfection and mixing milk	
Between farrowing groups	030 min
- alkaline disinfection	
Hours of work per farrowing group	425 min

Costs for work: 7,1 h x 25,- €/h (31,77 USD/h) = **177,- €/group (224,90 USD/group)**

milkpowder

- Per group are used 180 to 200 kg milkpowder.
- The farmer doesn't increase the daily amount of milkpowder from the 15th lifeday of piglets.
- Creepfeeding is starting at day 14 with a high quality feed of primarydiets.

200 kg milkpowder x 3,15 €/kg (4,00 USD/kg) = 630,- € (800,50 USD) + 7 % USt. (VAT) = **674,10 €/Gruppe (856,54 USD/group)**

fixcosts

investment costs for 52 farrowing crates (cups):

= 4446,40 € (netto) (net)

+ 19 % USt (VAT)

= 5291,22 € (brutto) (gross)

÷ 52 Abferkelbuchten (farrowing crates)

= 101,75 €/Bucht (€/crate)

+ 5 % Zins und Zinseszins über 5 Jahre (interest and compound interest over 5 years)

= 129,86 €/Bucht (€/crate)

÷ 5 Jahre (years)

= 25,97 €/Bucht und Jahr (€/ crate and year)

÷ 11,05 Abferkelungen/ Bucht und Jahr (number of farrowing per crate and year)

= 2,35 €/Wurf (2,99 USD/litter)

x 45 Abferkelungen/Gruppe (farrowings/group)

= **105,77 €/Gruppe (134,40 USD/group)**

Full costs (gross) for a farrowing group of 45 sows

Work	177,00 €	224,90 USD
Milkpowder	674,10 €	856,54 USD
fixcosts	105,77 €	134,40 USD
Electricity/ water (appreciated)	30,00 €	38,12 USD
Total per group	986,87 €	1253,96 USD
Total per litter	21,93 €	27,87 USD

Change of performance (q.v. results of sow planner in the attachment)

	1.10.2009 to 1.4.2010 (with SLM)	1.4.2009 to 30.9.2009 (partially with SLM)	1.10.2008 to 1.4.2009 (without SLM)
reheaters %	4,5	3,4	7,4
Number of fostering sows	0	12	37
Number of weaned piglets	13,4	13,3	12,3
Piglet mortality pre weaning	9,8	9,3	13,9

An increase of performance from 12.3 to 13.4 piglets per litter multiplied with 36.00 € (gross) (45,74 USD) price of sale for baby piglets (7 kg) equates to a benefit of 39,60 €/litter (50,32 USD/litter) .

The difference between benefit and costs equates to:
39,60 €/litter benefit– 21,93 €/litter full costs = 17,67 €/litter profit (22,45 USD/litter)

Consequently the profit per sow and year equates to **42,00 € (53,37 USD)**

Further benefits:

- Farmers don't need anymore fostering sows
- No more hygienic agreements because of change over piglets between litters
- Less fertility problems
- More uniformly weaning weights
- Higher creep feeding while suckling period
- Earlier and better converting of digestion
- Thereby increasing of performance in the nursery and finishing barn