

LISA 2 - Farrowing Monitoring System

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LISA 2 system

LISA 2 system is an efficient interactive tool for monitoring farrowings. LISA 2 is a strong tool for the farrowing team and it ensures that the staff has intensive focus on ongoing farrowings.

LISA 2 system is the second generation of LlifeSAver and the new version offers several improvements based on users' and experts' input. **LISA 2 system** is produced in Denmark and it is designed and produced for long lasting use in the pig farm environment.



Why using LISA 2 system

It is well known that close monitoring of the farrowing process in sows results in reduced number of stillborn and lower piglet mortality. In many farms and especially in bigger operations it is quite difficult for the staff to get a good overview of on-going farrowings. However, LISA 2 makes up for this by providing a visual signal that allows the staff being attentive to sows farrowing. Moreover, the signal is tuned in with the birth interval which make it easier for the staff to systematically monitoring those sows that need attention.

Advantages by using LISA 2 system

- ✓ Optimal overview of sows giving birth
- ✓ Visual alert of imminent farrowing
- ✓ Systematic farrowing supervision
- ✓ Safe recording of all actions/data during the farrowing process
- ✓ Data available for analyses in your farm management software program
- ✓ Reduced labour – no manual data recording in the office
- ✓ Full transparency of staff performance



Results from a Danish test using LISA 2

A three months test with LISA 2 were carried out in a 1,200 sow unit, weaning 33 PSY. LISA 2 was used during the day time seven days a week and during 24 hours for two days a week, when most sows where giving birth.

The test showed:

- ✓ Reduction of 1.0 stillborn per litter on days with 24 hours surveillance
- ✓ Reduction of 0.5 stillborn per litter in total
- ✓ Reduction of total pre-weaning mortality with 3%-unit

Benefits by using LISA 2

- ✓ + 1.17 PSY by converting 0.5 still born to live born piglets
- ✓ + 1.16 PSY by reduction of pre weaning mortality by 3%
- ✓ + 2.33 PSY in total



LISA 2 – Monitoring system for farrowing

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Per Hulgaard , Farm manager for 1,100 sows says about LISA ...

We are very pleased with the system since it provides us a much better overview of ongoing farrowings than before. LISA is set up for a visit frequency of 15 minutes, which ensures that our staff in the farrowing unit check on sows frequently and have full focus on our farrowing sows.

LISA is a unique tool for training new staff in the farrowing unit, because it can be difficult for the untrained eye to judge when a sow requires attention. With LISA we have more focus on the experience gained. We have had a production boost in particular due to the reduction of stillborn piglets, which is now down to 1.0 piglet per litter.

Data is entered in LISA and transmitted via the LISA software directly to AgroSoft. In this way we save time on data entry. Thus, LISA has made our use of PDAs at farrowing redundant.



Robert Woolley, genetic manager for 75,000 sows in Russia says about LISA ...

For us it is a great way to train operators how to monitor sows as they farrow, because our staff do not have a lot of experience and in some cases discipline in carrying out their chores.

We introduced a new KPI (Key Performance Indicator) bonus system at the same time as LISA was introduced. The KPI is based on paying farrowing operators on pigs weaned and the net result of LISA and the new KPI has been an extra piglet per litter.

Kim Christensen, farm manager for 3,500 sows in Russia says about LISA ...

We have now been using LISA for more than six months and we are very satisfied by using it. While using LISA we are sure that our sows giving birth are monitored regularly and on time.

The LISA system is helping our staff to follow up on sows when needed and afterwards we can check up on all actions, that have taken place during the farrowing process.

LISA helps us reducing the number of stillborn piglets and increasing the survival rate for newborn, due to the fact that our staff is systematically attending sows and piglets.



Company information

Farm Innovation ApS is a Danish innovative company which focuses on developing products and concepts that might improve staff performance while increasing productivity and improving management procedures in modern pig farms.