

Batch Farrowing Place Health - monitoring medicine use

The batch farrowing place's ability to predict farm output can be used to monitor medicine use on the farm. The medicines used to prevent diseases are ideally placed.

In the spreadsheet below ensure that the vaccine dose and bottle size is correct. Input the use of the relevant medicines on your farm. The spreadsheet provides a guide to correct use. The default example below shows a farm with issues on their preventative medicine programme. **Blank default.**

Medication usage assessment

Complete the yellow boxes from farm expectations

Average herd size	473	sow/gilts
Number of farrowing crates/arcs:	20	per batch
Batch time	1	weeks
Number weaned per place	10	
Annual Gilt replacement rate	40	%

Compliance rate

95%

Pigs per batch	Year	
Sows	16	832
Gilts	4	208
Weaner	200	10400

Medication expectation

Place the number of vaccines for each age group in the boxes below:

Vaccine medication	Dose mls	Bottle ml	Gilts	Sows	Weaners	Target		
						Total annual mls	Quarter	6 month
Parvovirus	2	100	1	0		416 mls	2 bottles	3 bottles
Leptospirosis and Erysipelas	2.5	250	1	0	0	520 mls	1 bottles	2 bottles
E.coli vaccine	4	500	2	1		4992 mls	3 bottles	5 bottles
HPS vaccine	2	100	2	1	0	2496 mls	7 bottles	13 bottles
PCV2	1	50	0	0	1	10400 mls	52 bottles	104 bottles
Mycoplasma vaccination	2	500	0		1	20800 mls	11 bottles	21 bottles
Ileitis vaccine	2	100	0		1	20800 mls	52 bottles	104 bottles
Anti-coccidiosis	1	1000			1	10400 mls	3 bottles	6 bottles
PRRSv	2	100	1	0	0	416 mls	2 bottles	3 bottles
SIV	2	100				0 mls	0 bottles	0 bottles
Improvac*	2	500			1	20800 mls	11 bottles	21 bottles
Other	0	100				0 mls	0 bottles	0 bottles

Note:

Improvac is only given to the males - 2 vaccinations - thus 1 dose for the whole population

	Actual use						Acceptable usage					
	Q1	Q2	Q3	Q4	Jan-Jun	Jul-Dec	Q1	Q2	Q3	Q4	Jan-Jun	Jul-Dec
Parvovirus	2	1	1	3	3	4	OK	Below	Below	OK	OK	OK
Leptospirosis and Erysipelas	1	2	1	2	3	3	OK	OK	OK	OK	OK	OK
E.coli vaccine	3	1	3	3	4	6	OK	Below	OK	OK	Below	OK
HPS vaccine	7	5	6	7	12	13	OK	Below	Below	OK	Below	OK
PCV2	52	50	52	51	102	103	OK	OK	OK	OK	OK	OK
Mycoplasma vaccination	11	9	11	10	20	21	OK	Below	OK	Below	OK	OK
Ileitis vaccine	52	50	52	52	102	104	OK	OK	OK	OK	OK	OK
Anti-coccidiosis	3	3	3	3	6	6	OK	OK	OK	OK	OK	OK
PRRSv	2	2	2	2	4	4	OK	OK	OK	OK	OK	OK
SIV	0	0	0	0								
Improvac*	11	11	11	11	22	22	OK	OK	OK	OK	OK	OK
Other	0	0	0	0								

The spreadsheet helps the health team to ensure that the preventative medicine programme is adequate. On the default farm the preventative medicine programme is inadequate with regards to the *Escherichia coli* (*E. coli*) control for sows and gilts - thus diarrhoea in piglets could be expected.

Parvovirus vaccination - thus reproductive performance may be suboptimal

Haemophilus parasuis vaccination - more piglets post-weaning may have Glässer's disease

Mycoplasma vaccination - thus more finishing pigs may have respiratory disease

Thus these simple failures in the preventative programme can affect the health and performance of the whole farm.