

Breeder Herd Census

# Maiden Gilts	The sum of all maiden gilts and retained gilts active in the herd
# Sows	The sum of all sows active in the herd
# <i>Working</i> Boars	The sum of all boars that are active in the herd
# <i>Unworked</i> Boars	The sum of all boars that are active in the herd but have not been used for a mating in its lifetime
Identity	Identity of Sow
Genetics	The genetic status of a sow (LIM – Genetics)
Parity/ Cycle	Parity – The number of reproductive parities expresses by farrowing Cycle – The number of reproductive cycles expressed by a service
	Only one will be displayed based on the users preferences selected in settings.
Barn- Room – Pen	Location of animal on the date of report
Last Served on	Date of the most current service
Last Farrowed On	Date of the most current farrowed
Last Complete Weaned On	Date of the most current weaned
Herd Category	Assigned cohort at the time of arrival
Status	The current status of the
	Aborted
	Lactating
	Lactating (Nurse Sow)
	Maiden Gilt
	Served (Assumed in Pig)
	Weaned (dry sow)
Tattoo	The alternate identity
Transponder	The transponder number (RFID)

Cohort reports

Blue attributes will not display on report they will be available for Export in the summary data

Actual	Integers based on the cumulative data recorded for period length for the cohort
Total	Integers based on the cumulative total of attribute for the reporting period length for the cohort
Average	Cumulative total of attribute for the period length/ Number of cohorts
By Service	If user selects report by Service date, find all services in the report cohort and follows them forward to see what happened
By Farrowing	If user selects report by Farrow date, find all farrowings in the report cohort and follows them forward to see what happened. Weaning and post weaning service
By Weaning	If user selects report by Wean date, find all weanings in the report cohort and follows them forward to see what happened. Post weaning service and farrowing.
Total Services	Count of total services in cohort (1st service + repeat services in cohort)
	If you select this report by service date , then total number of services equals the number of sows and gilts with services dates during the report's time period
	If you select this report by Farrow Date , then the total number of services equals the follow – on number of sows served, of the original cohort of sows that farrowed during the report time period
	If you select this report by Wean Date , then total number of services equals the follow-on number of sows served of the original cohort of sows that were weaned during the reports time period.
Av. Service number	(Sum of all service numbers in the cohort/total services in cohort)
First Services	(Sows served 1st service + Gilts 1st service in cohort)
Gilt Services	Count of gilt services in cohort

Sum of Days Arrival to 1st Service	Sum of the days from Arrival to 1st Service for served gilts in cohort
Arrival to 1st Service Interval	(Sum of the days from Arrival to 1st Service for served gilts in cohort)/(Gilts served in cohort)
Available to 1st Service Interval	Service date - Gilt made available date)/Gilts retained served in cohort)
Sow First Service	Sum of sows weaned with 1st service in cohort
Sum of Days Wean to 1st Service	Sum of the days from Wean to 1st Service for served sows in cohort
Weaning to 1st Service Interval	(Sum of the days from Wean to 1st Service for served sows in cohort)/(sows served in cohort)
Sows Bred by 7 Days	# of sows served with in 7 days of weaning
% Bred of sow 1st service	(Sows bred by 7 days in cohort)/(# of sows served in cohort)
Repeat Services	Count of repeat services in cohort
% Repeat Services	(repeat services in cohort / total services in cohort)* 100
AI Services	Count of services that Artificial insemination were used for all matings
% of Total Services	(AI services in cohort/ total services in cohort)
Natural Services	Count of services that natural boars were used for all matings
% Total Services	(Natural services in cohort/ total services in cohort) * 100
Mixed Services	Count of services that Artificial insemination and natural boars were used for all matings
% Total Services	(Mixed services in cohort/ total services in cohort) * 100
Solo Boar Services	Count of services that the same boar or Ai batch number were used for all matings
% Total Services	(solo boar services in cohort/ total services in cohort) * 100

Number of Multiple Matings	Sum of females with matings > 1 in the cohort
% of Multiple Matings	$(\# \text{ of multiple matings in cohort}) / (\text{Total number of services in cohort}) \times 100$
Total Matings	Count of total matings in cohort
Matings/Service	$(\text{total matings in cohort} / \text{total services in cohort})$
Conception Rate	$(\text{number of services in cohort that have not had a negative event e.g. PD-, AB I.e assumed to be in-pig (effective service)} / \text{number of total services in cohort}) * 100$
Av. Age @ Services (Parity)(Cycle)	$(\text{sum of parities or cycles of sows first served in cohort} / \text{number of sows first served in cohort})$ - will display based on user define setup
Farrowings (Litters)	Count of sows farrowed in cohort
Assisted Farrowings	Count of sows that were assisted in farrowing of the number of sows farrowed
Induced Farrowings	Count of sows that were induced to farrow of the number of sows farrowed
Total Born	$(\text{Sum of number bornalive} + \text{number stillborn} + \text{number mummified})$
Total Born / Litter	$(\text{total piglets born in cohort} / \text{farrowings in cohort})$
Liveborn	Count of piglets bornalive in cohort
Liveborn/Litter	$(\text{piglets bornalive in cohort} / \text{farrowings in cohort})$
Stillborn	Count of piglets stillborn in cohort
Stillborn/ Litter	$(\text{piglets stillborn in cohort} / \text{farrowings in cohort})$
Mummified	Count of piglets mummified in cohort
Mummified/ Litter	$(\text{piglets mummified in cohort} / \text{farrowings in cohort})$
Av. Litter weight	$(\text{Sum of birth weights in cohort} / \# \text{ of litters farrowed in cohort with birth weights})$

Pigs Born Alive With Birth weight	Sum of piglets farrowed with birth weights in cohort
Av. Piglet Weight	(Sum of birth weights in cohort/ Pigs born alive with birth weights)
Farrowing Index	(365.25/(The sum of farrow – farrow indices / count of sows farrowed in cohort > 1st parity))
Count of Sows > 1st Parity	Count of sows farrowed in cohort > 1st parity
Sum of Farrow - Farrow Indices	Sum of days between previous farrow to current farrow in cohort for sows > 1st parity
Av. Farrowing Interval	(Sum of farrow - farrow indices)/(sum of sows >1st parity)
Sum of all Gestation Lengths	Sum of the # of days between the conception service and the subsequent farrowing in cohort) Day of presumed conception counted as day 0
Av. Gestation Length	(Sum of all gestation lengths)/(farrowings in cohort)
Total Piglet Losses	Sum of the number recorded piglet deaths in cohort
% of Liveborn	(total losses in cohort / total born alive in cohort)
Av. Age @ Loss	((Piglet loss date - FW date)* (number of piglets))+ ((Piglet loss date - NS date) + recorded average age)*(# of piglets)) / total number of losses pigs in cohort
Losses under 2 Days old	Count of piglet deaths record > 2 days from date of farrowing in cohort
% of total Losses	(total number of losses > 2 days old in cohort/ total liveborn in cohort) * 100
% of Liveborn	(total losses under 2 days in cohort / total born alive in cohort)
Losses 2-8 Days Old	Count of piglet deaths record 2 - 8 days from date of farrowing in cohort
% of Total Losses	(total number of losses 2-8 days old in cohort/ total liveborn in cohort) * 100

% of Liveborn	(total losses under 2 - 8 days in cohort / total bornalive in cohort)
Losses over 8 days old	Count of piglet deaths record < 8 days from date of farrowing in cohort
% of Total Losses	(total number of losses < 8 days old in cohort/ total liveborn in cohort) * 100
% of Liveborn	(total losses under < 8 days in cohort / total bornalive in cohort)
Sows Complete Weaned	Count of sows that complete weaned in cohort. Excludes nurse sows created
Nurse Sows Weaned	Count of sows that are Nurse sows when complete weaned in cohort
Litters Weaned	Count of the litters weaned in period (Litters complete weaned from sows weaned + Litters complete weaned from Nurse Sows weaned + Litters weaned from Nurse Sows Created) Excludes litters weaned with 0 piglets
Sub-standard Weaned	count of substandard piglets weaned in cohort
% of Piglets Weaned	(number substandard weaned in cohort/ piglets weaned in cohort)
Av. Piglets Weaned per Litter	(piglets weaned in cohort) / (litters weaned in cohort)
Sum of piglet age at Weaning	Sum of ((Complete Wean Date - Farrow date)* piglets weaned) + ((Part Wean Date - Farrow Date)*piglets weaned) + (Nurse Sow Date – Farrow date) * Piglets weaned) + ((Complete Wean Date – Nurse Sow Date + entered piglet age) * piglets) + (Part Wean date – Nurse Sow date + entered piglet age)*piglets) + (Nurse Sow date –Nurse Sow date + entered piglet age)*piglets)
Av. Piglet Age	(Sum of piglet ages @ weaning/number of piglets weaned in cohort)
Av. Litter Weaned Wieht	(Sum of wean weights in cohort/ # of litters weaned in cohort with wean weights)

Pigs Weaned With wean Weight	Sum of piglets weaned with wean weights in cohort
Av. Piglet Wean Weight	(Sum of weaned weights in cohort/ Pigs weaned with wean weights)
Sum of Adj. 21 Day Litter Weights	The total of adj 21-day litter weights for the litters with adj. 21-day litter weights calculated in the cohort - see matrix
Av. Adjusted. Weaning Weight	(Sum of adj. 21 day litter wts)/(litters w/ adj 21-day litter weight)
Sum of Lactation Lengths	(Sum of days between farrowing and complete weaning for females weaned in cohort)Day of farrowing counted as day 0
Av. Lactation Length	(Sum of days between farrowing and weaning for females complete weaned in cohort)/ Females complete weaned in cohort)
Av. Age @ Weaning (Parity)	(sum of parities for sows complete weaned in cohort/ number of sows complete weaned cohort) (only available for Cohort by Weanings)
Arrival Date	Date on which a animal was arrived
Cycle	Number of reproductive cycles expressed by a service
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Parity	Number of reproductive parities expresses by farrowing
Retained Gilt	Yes - 100
	No - 0
Service Date	Date on which the female was bred

Comparative Production Summary	Blue attributes will not display on report they will be available for Export in the summary data
Actual	Integers based on the cumulative data recorded for period length
Total	Integers based on the cumulative total of attribute for the reporting period length
Average	Cumulative total of attribute for the period length/ Number of periods
Sort By Attributes	Liveborn/Sow/Year
	Liveborn/Female/Year
	Liveborn/Litter
	Weaned/Sow/Year
	Weaned/Female/Year
	Weaned/Litter
	Farrowing Index
	Farrowing Rate
	Repeat Rate %
Total Services	Count of total services in period (1st service + repeat services in period)
Av. Service number	(Sum of all service numbers in the period/total services in period)
First Services	(Sows served 1st service + Gilts 1st service in period)
Gilt Services	Count of gilt services in period
% of 1st Services	(Gilt Services in period/ total first services in period) * 100
Sum of Days Arrival to 1st Service	Sum of the days from Arrival to 1st Service for served gilts in period
Arrival to 1st Service Interval	(Sum of the days from Arrival to 1st Service for served gilts in period)/(Gilts served in period)
Available to 1st Service Interval	Service date - Gilt made available date)/Gilts retained served in period)
Sow First Service	Sum of sows weaned with 1st service in period
Sum of Days Wean to 1st Service	Sum of the days from Wean to 1st Service for served sows in period
Weaning to 1st Service Interval	(Sum of the days from Wean to 1st Service for served sows in period)/(sows served in period)

Sows Bred by 7 Days	# of sows served with in 7 days of weaning
% of sow 1st service	$(\text{Sows bred by 7 days in period}) / (\text{\# of sows served in period})$
Repeat Services	Count of repeat services in period
% Repeat Services	$(\text{repeat services in period} / \text{total services in period}) * 100$
AI Services	Count of services that Artificial insemination were used for all matings
% of Total Services	$(\text{AI services in period} / \text{total services in period})$
Natural Services	Count of services that natural boars were used for all matings
% Total Services	$(\text{Natural services in period} / \text{total services in period}) * 100$
Mixed Services	Count of services that Artificial insemination and natural boars were used for all matings
% Total Services	$(\text{Mixed services in period} / \text{total services in period}) * 100$
Solo Boar/ Semen Services	Count of services that the same boar or Ai batch number were used for all matings
% Total Services	$(\text{solo boar services in period} / \text{total services in period}) * 100$
Number of Multiple Matings	Sum of females with matings > 1 in the period
% of Multiple Matings	$(\text{\# of multiple matings in period}) / (\text{Total number of services in period}) * 100$
Total Matings	Count of total matings in period
Matings/Service	$(\text{total matings in period} / \text{total services in period})$
Conception Rate	$(\text{number of services in period that have not had a negative event e.g. PD-, AB I.e assumed to be in-pig} / \text{number of all services in period}) * 100$
Av. Age @ Services (Parity)(Cycle)	$(\text{sum of parities or cycles of sows served in period} / \text{number of sows served in period})$ - will display based on user define setup
Farrowings (Litters)	Count of sows farrowed in period

Assisted Farrowings	Count of sows that were assisted in farrowing of the number of sows farrowed
Induced Farrowings	Count of sows that were induced to farrow of the number of sows farrowed
Total Born	(Sum of number bornalive + number stillborn + number mummified)
Total Born / Litter	(total piglets born in period/ farrowings in period)
Liveborn	Count of piglets bornalive in period
Liveborn/Litter	(piglets bornalive in period/ farrowings in period)
Stillborn	Count of piglets stillborn in period
Stillborn/ Litter	(piglets stillborn in period/ farrowings in period)
Mummified	Count of piglets mummified in period
Mummified/ Litter	(piglets mummified in period/ farrowings in period)
Av. Litter weight	(Sum of birth weights in period/ # of litters farrowed in period with birth weights)
Pigs Born Alive With Birth weight	Sum of piglets farrowed with birth weights in period
Av. Piglet Weight	(Sum of birth weights in period/ Pigs bornalive with birth weights)
Farrowing Rate	Offset period dates = (Period begin date - 115 days) and (period end date -115 days)
	Service Cohort = Cumulative sum of services that occurred in the offset period
	((Cumulative sum of services in the cohort that resulted in a farrowing and/or late farrowing)/(number of services in the service cohort)) * 100)
Farrowing Index	(365.25/(The sum of farrowing interval /total sows farrowed in period > 1 st parity))
Sum of Sows > 1st Parity	Count of sows farrowed in period > 1st parity
Sum of Farrow - Farrow Indices	Sum of days between previous farrow to current farrow in period
Av. Farrowing Interval	(Sum of farrow - farrow indices)/(sum of sows >1st parity)

Sum of all Gestation Lengths	Sum of the # of days between the conception service and the subsequent farrowing in period) Day of presumed conception counted as day 0
Av. Gestation Length	(Sum of all gestation lengths)/(farrowings in period)
Liveborn/Sow/ Year	(Sum total liveborn in period / total sows in period) * (365.25/ number of days in period)
Liveborn/ Female/ Year	(sum total live born in period / total females in period) * (365.25/ number of days in period)
Av. Age @ Farrowing (Parity)	(sum of parities of sows farrowed in period/ number of sows farrowed in period)-will display based on user define setup
Total Piglet Losses	Sum of the number recorded piglet deaths in period
% of Liveborn	(total losses in period / total bornalive in period)
Av. Age @ Loss	((Piglet loss date - FW date)* (number of piglets))+ ((Piglet loss date - NS date) + recorded average age)*(# of piglets))) / total number of losses pigs in period
Losses under 2 Days old	Count of piglet deaths record > 2 days from date of farrowing in period
% of total Losses	(total number of losses > 2 days old in period/ total liveborn in period) * 100
% of Liveborn	(total losses under 2 days in period / total bornalive in period)
Losses 2-8 Days Old	Count of piglet deaths record 2 - 8 days from date of farrowing in period
% of Total Losses	(total number of losses 2-8 days old in period/ total liveborn in period) * 100
% of Liveborn	(total losses under 2 - 8 days in period / total bornalive in period)
Losses over 8 days old	Count of piglet deaths record < 8 days from date of farrowing in period

% of Total Losses	$(\text{total number of losses} < 8 \text{ days old in period} / \text{total liveborn in period}) * 100$
% of Liveborn	$(\text{total losses under} < 8 \text{ days in period} / \text{total bornalive in period})$
Av. Age of Sows (Parity)	$(\text{sum of parities of sows with piglet losses in period} / \text{number of sows with piglet losses in period})$
Sows Weaned	Count of sows that weaned in period (complete weans + complete weans for nurse sows) Excludes nurse sows created
Nurse Sows Weaned	Count of sows with Nurse sow complete weans in period
Litters Weaned	Count of the litters weaned in period (Litters complete weaned from sows weaned + Litters complete weaned from Nurse Sows weaned + Litters weaned from Nurse Sows Created) Excludes litters weaned with 0 piglets
Nurse Sows Created	Count of the females made a nurse sow in period
Piglets Weaned	Count of piglets weaned in period (weaned piglets + part weaned piglets + Nurse sow weaned piglets)
from sows Part Weaned	Count of piglets from PW sows in period
Sub-standard Weaned	count of substandard piglets weaned in period
% of Piglets Weaned	$(\text{number substandard weaned in period} / \text{piglets weaned in period})$
Av. Piglets Weaned per Litter	$(\text{sum of piglets weaned in period} / (\text{Total litters weaned in period}))$
(Minus Part-weaned Piglets)	$((\text{sum of piglets weaned in period} - \text{part weaned piglets}) / (\text{Total litters weaned in period}))$
Sum of piglet age at Weaning	$(\text{Complete Wean Date} - \text{Farrow date}) * \text{piglets}) + (\text{PWN Date} - \text{Farrow Date}) * \text{piglets}) + (\text{CW} - \text{NS} * \text{piglets}) + (\text{PWN} - \text{NS}) * \text{piglets} + \text{NS} - \text{NS} * \text{piglets} + \text{CWN} - \text{NS} * \text{piglets} + (\text{CNS} - \text{FW}) * \text{piglets}$

Av. Piglet Age	(Sum of piglet ages @ weaning/number of piglets weaned in period)
Av. Litter Weaned Weight	(Sum of wean weights in period/ # of litters weaned in period with birth weights)
Pigs Weaned With Birth Weight	Sum of piglets weaned with birth weights in period
Av. Piglet Wean Weight	(Sum of weaned weights in period/ Pigs weaned with birth weights)
Sum of Adj. 21 Day Litter Weights	The total of adj 21-day litter weights for the litters with adj. 21-day litter weights calculated in the period - see matrix
Sum of Lactation Lengths	(Sum of days between farrowing and weaning for females weaned in period)Day of farrowing counted as day 0
Av. Lactation Length	(Sum of days between farrowing and weaning for females complete weaned in period)/ Females complete weaned in period)
Piglets Weaned/ Sow/ Year	(total piglets weaned in period/total sows in period) * (365.25 / number of days in period)
Piglets Weaned/ Female/ Year	(total piglets weaned in period/ total females in period) * (365.25/ number of days in period)
Av. Age @ Weaning (Parity)	(sum of parities for sows weaned in period/ number of sows weaned in period)
Av. Gilts Inventory	(Cumulative gilt days/ days in period)
Ending Gilt Inventory	Count of active gilts in the herd on the last day of period length
Av. Sow Inventory	(Cumulative sow days/ days in period)
Ending Sow Inventory	Count of active sows in the herd on the last day of period length
Sows Added /Gilts Entered	sum of gilts with 1st services, arrived sows and transferred in females
Sows Died	Sum of females that died in period
Sows Culled	Sum of females culled or sold in period
Sows Transferred Off	Sum of females transferred off in period
Av. Boar Inventory	(Cumulative boar days/ days in period)

Ending Boar Inventory	Count of active boars in the herd on the last day of reporting period
Av. Non Productive Days/ Sows/ Year	Total number of days that all sows were not gestating or lactating
	(Non productive days)/ Average sow inventory)* (365.25/days in period)
	Sum of all nonproductive days = Sows: (Removal date – complete wean date) + (Service Date - Complete Wean date) + (Service Date - Arrival date) + (Removal date - Arrival date or Made Available date)
	Sum of nonproductive days = Gilts: (Removal date - arrival date or made available date)
Av. Non Productive Days/ Female/ Year	Total number of days that all gilts and sows were not gestating or lactating
	(Non productive days)/ Average female inventory)* (365.25/days in period)
Cycle	Number of reproductive cycles expressed by a service
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Parity	Number of reproductive parities expresses by farrowing

Culls and Death List

# pigs disposed of between begin date and end date	The sum of all females and boars removed during the period
# Removal Status Name	Sum of animals removed based on status of animal at the time of removal:
	In-pig Sows
	Dry Sows
	In-pig Gilts
	Maiden Gilts
	Boars
Maiden Gilts	Females arrived or made available to the herd but have not been bred
In-pig Gilts	Females bred for their 1 st estrus cycle
In-pig Sows	Sows bred after a complete wean
Dry Sows	Sows weaned
Total Sows	Count of sows (all females bred in lifetime) removed in period
	Sows: (Dry Sows + In-pig Sows + In-pig Gilts)
Total Females	Count of females removed in period
	Females: (Dry Sows + In-pig Sows + In-pig Gilts + Maiden Gilts)
Boars	Count of boars removed in period
Identity	Identity of Sow
Genetics	The genetic status of a sow
Parity/ Cycle	Parity – The number of reproductive parities expresses by farrowing
	Cycle – The number of reproductive cycles expressed by a service
	Only one will be displayed based on the users preferences selected in settings.
Av. Total Weaned	Av. Lifetime weaned/litter
	(Sum of piglets weaned in lifetime)/(count of lifetime parity or cycle)
Disposal Date	Date the animals was removed from the herd.
Reason	The type of removal and reason (long) the animal was removed from the herd.
	Removal Type:
	Sold

	Died
Days since last served	Number of days between most recent service and removal
	(removal date – service date)
Days since last weaned	Number of days between most recent complete wean and removal
	(removal date – complete wean date)
Non- Prod Days	Sum of non-productive days
	Sows: (Removal date – complete wean date)
	Gilts: (Removal date – arrival date or made available date)
Since Last Productive Event	
Total	Sum of all nonproductive days based on status
Average	(Sum of all nonproductive days based on status)/(Count of animals based on status)
Non-productive Days	
Lifetime	
Total	Sum of all lifetime nonproductive days based on status
	Sum of all lifetime nonproductive days = Sows: Sum the differences of days between the following events for the sows lifetime (Service Date or Repeat Service date - Arrival date) + (Service Date or Repeat Service date - Complete Wean date) + (Removal date – complete wean date) Or if bred gilt (Removal date - arrival date or made available date)
	Sum of Lifetime nonproductive days = Gilts: (Removal date - arrival date or made available date)
Percentage	(Sum total lifetime nonproductive days based on status in period / Total lifetime nonproductive days in period)
Identity	Identity of Sow
Herd Category	Assigned cohort at the time of arrival
Arrived On	Date of the arrival or made available to the herd
Last Served on	Date of the most current service
Last Complete Weaned On	Date of the most current weaned
Av. Total Weaned	Av. Lifetime weaned/litter

	(Sum of piglets weaned in lifetime)/(count of lifetime parity or cycle)
Days Since Last Served	Number of days between most recent service and focus event date
	((focus event date – service date) +1)
Days Since Last Weaned	Number of days between most recent complete wean and removal
	((focus event date – complete wean date) +1)
Died	Type of removal where animal died
	Died = 100
	Sold = 0
Disposal Date	Date the animals was removed from the herd.
Last 1 st Served On	Date of the 1 st service in the estrus cycle period
Non – Prod Days	Days on which a female is not lactating nor gestating
Reason	The reason for the removal (Long)
Sold	Type of removal where the animal was sold or culled
	Sold = 100
	Died = 0

Days to First Service

# of include female type first served between <i>begin date</i> and <i>end date</i> (Av. Days to first service # Days)	Sum females based on the include type defined in properties
	$\text{Gilts and Sows:} \left(\frac{\text{Sum of service date} - \text{wean date} + (\text{Sum of service date} - \text{arrival date}) + (\text{sum of service date} - \text{made available date})}{\text{Sum of gilts} + \text{sows}} \right)$
	$\text{Gilts Only:} \left(\frac{\text{Sum of service date} - \text{arrival date} + (\text{sum of service date} - \text{made available date})}{\text{Sum of gilts}} \right)$
	$\text{Sows Only:} \left(\frac{\text{Sum of service date} - \text{wean date}}{\text{sum of sows}} \right)$
Days to First Service vs. Total Born Scattergraph (Av. Total Born #)	$\text{Av. Total Born} = \frac{\text{Sum of all total born of sows First Served in period}}{\text{# of sows First Served in period}}$
No. Sows	Count of sows per Days to First Service
Mean	$\frac{\text{Sum of all } \textit{attribute} \text{ per Days to First Service}}{\text{No. sows per Days to First Service}}$
Days to First Service vs. Liveborn Scattergraph (Av. Liveborn #)	$\text{Av. Liveborn} = \frac{\text{Sum of all liveborn of sows First Served in period}}{\text{# of sows First Served in period}}$
Days to First Service vs. Stillborn Scattergraph (Av. Stillborn #)	$\text{Av. Stillborn} = \frac{\text{Sum of all stillborn of sows First Served in period}}{\text{# of sows First Served in period}}$
Days to First Service vs. Mummified Scattergraph (Av. Mummified #)	$\text{Av. Mummified} = \frac{\text{Sum of all mummified of sows First Served in period}}{\text{# of sows First Served in period}}$
Av. Farrowing Rate #%	$\text{Av. Farrow Rate} = \frac{\text{number of sows with 1}^{\text{st}} \text{ service in period that have subsequent services presumed effective or farrowed}}{\text{number of sows with 1}^{\text{st}} \text{ service}}$
Av. Repeat Rate # %	$\text{Av. Repeat Rate} = \frac{\text{number of sows with 1}^{\text{st}} \text{ services that have subsequent services that returned}}{\text{number of sows with 1}^{\text{st}} \text{ services}}$

(Av. Days to First Service #)	Av. Days to First Service =(sum of all Days to First Services of sows first served in period)/(# of sows first served in period)
Numeric View	Numbers represent the number of sows that meet the criteria based on Days to First Service and the performance trait analyzed
Proportional View	Displays according to the largest sow grouping based on the performance trait within the period
Mean Line	Plotted based on the averages per Days to First Service based on the performance trait analyzed
Cycle	<i>Number of reproductive cycles expressed by a service</i>
Days to First Service Interval	The number of days between a weaning and a service for a sow
Event Date	Date on which event occurred
Expected to Farrow	Displayed as a %
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Lactation Length	Days between the farrowing and weaning of a sow
Liveborn	Number of piglets born alive
Mummified	Number of piglets born mummified
Parity	Number of reproductive parities expressed by farrowing
Returns to Service	Number of returns to service with in the same cycle/parity
Stillborn	Number of piglets born dead
Total Born	Total number of piglets born (liveborn + stillborn = mummified)

Days to Service Histogram

Gilt days to service	Gilt's that arrive in the herd and are not explicitly made available for service the interval required is between the arrival date and the service event.
Retained Gilt days to service	Where they have explicitly been made available the interval is between the available event and the service event
Sows days to service	For sows the interval required is between the weaning event and the service event
Days to First Service	Number of days between a weaning or arrival or made available and the first service for a sow
	Gilts and Sows: ((Sum of service date – wean date) + (Sum of service date – arrival date) + (sum of service date – made available date))
	Gilts Only: ((Sum of service date – arrival date) + (sum of service date – made available date))
	Sows Only: (Sum of service date – wean date
Days To Effective Service	Number of days between a weaning or arrival or made available and a service for a sows that are presumed effective. This does not include sows with negative events
	Gilts and Sows:((Sum of presumed effective service date – wean date) + (Sum of presumed effective service date – arrival date) + (sum of presumed effective service date – made available date))
	Gilts Only:((Sum of presumed effective service date – arrival date) + (sum of presumed effective service date – made available date))
	Sows Only: (Sum of presumed effective service date – wean date

# Females (female type) had first services between begin date and end date (Av. Days to First Service #)	# = sum of female type first served in period
	Female Type = Based on type of report selected in properties
	Av. Days to First Service = (sum of all Days to First Services of (female type) first served in period) / (# of (female type) first served in period)
# Females (female type) had effective services between begin date and end date (Av. Days to effective Service #)	# = sum of females with effective service in period
	Female Type = Based on type of report selected in properties
	Av. Days to Effective Service = (sum of all Days to effective services of (female type) served in period) / (# of (female type) served in period)
X Axis - Days to First Service & 1st Service	Dataset contingent
Y Axis – Females (Female Type)	Female Type = Based on type of report selected in properties
	Dataset contingent
Cycle	<i>Number of reproductive cycles expressed by a service</i>
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Parity	Number of reproductive parities expresses by farrowing
Service Date	The date of first mating during any one estrus period

Service Number	The number of services a sow has had for the current estrus cycle
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Farrowing Control Chart

Data	Minimum of 1 sow to display week
Dropdown box	Dropdown 17 options
	Service Week
	Parity
	Cycle
	Solo Boar
	Genetics
	Service Type
	Service Number
	Matings per Service
	Number of Boars Used
	Day of Week
	Matting Pattern
	Solo Operators
	1st Boar Used
	Age at Entry
	1st Operator used
	Previous Lactation Length
	Previous Wean to 1 st service
Dropout to Display	Shows sow fallout by either earliest dropout or latest dropout. or the last drop out reason by period on the report.
Earliest	Choose to display 1st dropout reason for negative events
Latest	Choose to display the last dropout reason for negative events
Dropout Reasons	AN = Natural Abortion, A!?? = Induced Abortion, R# = number of return, C = Culled, D= Died, T = Transferred, PD- = Pregnancy Check Negative, PO = Pregnancy Check Open, HC = Heat Checked
Style	Displays the data in 4 different modes by changing the style between boxes, blobs, bars and remaining sows.
Boxes	Boxes show numbers of sows that have dropped out by reason.

Blobs	Blobs are proportionate, and show total sows dropped out by week.
Bars	Bars are also proportionate, with green=returns and red=culled, died, PD- and aborted.
Remaining	Remaining shows the number of sows remaining in the group during the length of gestation
Service Week	Display each individual week as a Week #, Year for the period length of report - Default 22 weeks
Cycle	Display each individual cycle for the sows served in period
Solo Boar	One boar was used for all matings in a single service for a female. Display each solo boar used individually
Genetics	
Service Type	Display individual Service type
	Natural
	AI
	Mixed
Service Number	The number of services a sow has had for the current breeding cycle
Matings per Service	The number of matings within a service period
Number of boars Used	Displays the number of different boars used within one service for one sow
1st Boar Used	The 1st boar/semen identity used in 1st mating of the service
Day of Week	Displays the days of week Ex : Monday
Mating Pattern	The number of matings that occurred and the type of mating Ex: AAA there were 3 matings all of which were AI A= AI and Semen Collection, N = Natural, GG = Boar Group
Parity	Number of reproductive parities expresses by farrowing
Solo Operator	The operator exclusively used for all matings within the service period

1st Operator Used	1st operator used in the 1st mating of the service
Age at Entry	Age of the gilt at the time of first cycle service
Previous Lactation Length	The number of days between farrowing and weaning of a sow. Day of farrowing is counted as day 0
Previous Wean to 1 st service	Number of days between a weaning and the first service for a sow
Number Served	The number of sows served during the time period.
Gestation Weeks	Gestation Week number – across top of report (1-17, 17+)
Not Farrowed	Females that have not farrowed but are still presumed pregnant
Number Farrowed	Number of services that resulted in farrowings
Conception Rate/Farrowing Rate	$(\text{Presumed Pregnant} + \text{Number farrowed}) / (\text{Number of Services})$
Late Farrowed	Sows that farrowed greater than 125 days from date of service
Av. Non-Productive Days	Indicates the average number of days between the represented service event and the earliest dropout event

Female Removal Analysis

# Females disposed of between begin date and end date	Total count of females removed in the period
No. of Females	Count of total females removed per parity or reason
Weaned Not Served No. %	Count of females with the status of weaned but not served within the parity or reason
	Percentage of weaned but not served females that were removed per parity or reason
Aborted No. %	Count of females with the status abort within the parity or reason
	Percentage of aborted females that were removed per parity or reason
Tested N.I.P No. %	Count of females with the status of tested N.I.P within the parity or reason. Includes females with pregnancy diagnose of negative or open.
	Percentage of tested N.I.P females that were removed per parity or reason
In-Pig No. %	Count of females with the status of served (In-Pig) within the parity or reason
	Percentage of served (In-pig) females that were removed per parity or reason
Maiden Gilt No. %	Count of females with the status of maiden gilt within the parity or reason
	Percentage of maiden gilts that were removed per parity or reason
Parity	Displays each parity individually. Must have minimum of one observation to display in period, dataset contingent
Reason	Displays each reason individually. Must have minimum of one observation to display in period, dataset contingent
Total No. %	Total count of females per status
	Percentage of the total per status

Aborted at Disposal	100 = Yes
	0= No
Arrived	Date on which the female was arrived into the herd
Cycle	Number of reproductive cycles expressed by a service
Days since last first served	Number of days between last 1st service and focus event date. (focus event date – 1 st service date) ??
Days since last served	Number of days between most recent service and focus event date. (focus event date – service date)
Days since last weaned	Number of days between most recent complete wean and removal. (focus event date – complete wean date)
Death loss	100 = Yes
	0= No
Disposal date	Date on which female was removed from the herd
Genetics	Genetics status given to the animal at the time of arrival – LIM
Gilt at Disposal	100 = Yes
	0= No
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Last First Served On	Date on which the sow was first served on
Last served on	Date on which the sow was last served on
Last weaned on	Date on which the sow was weaned
Parity	Number of reproductive parities expresses by farrowing
Pregnancy Check Negative at Disposal	100 = Yes
	0= No
Reason	The reason for the removal (Long)
Served at Disposal	100 = Yes
	0= No

Sold	100 = Yes
	0= No
Status at Disposal	100 = Yes
	0= No
Wasted days	Non-productive days
Weaned at disposal	100 = Yes
	0= No

First Litter Performance

Identity	Individual identity given to the animal at the time of arrival. May be either numeric or alpha numeric
Genetics	Genetics status given to the animal at the time of arrival - LIM
Parity/Cycle	Parity – The number of reproductive parities expresses by farrowing
	Cycle – The number of reproductive cycles expressed by a 1 st service
	Only one will be displayed based on the users preferences selected in settings.
Farrowing Date	Date on which the sow farrowed
Liveborn	Number of piglets born alive in period or parity
Stillborn	Number of piglets born dead in a period or parity
Mummified	Number of piglets born mummified in period or parity
Total Born	Total number of piglets born (Sum of number born alive + number stillborn + number mummified)
Herd Category	Cohort category given to the animal at the time of arrival - LIM

Gestation Length Histogram

# Sows Farrowed between begin date and end date (Av. Gestation length # days)	# = Count of females that farrowed within the period length
	Gestation Length Days = (Farrowing date – effective service date)
	Av. Gestation Length = Average number of days between a effective service and a farrowing in period
	(Sum of gestation length days in period) /(# of sows farrowed in period)
% of sows per gestation length	(Count of all sows that farrowed per gestation length)/(Count of females that farrowed within the period length)* 100
No. of Sows per gestation length	Count of all sows per gestation length
Av. Parity per gestation length	(sum of sow parities per gestation length/ number of sows per gestation length)
Gestation length	Number of days between a effective service and a farrowing in period. (Farrowing date – effective service date)
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Parity	Number of reproductive parities expresses by farrowing

Gilt Pool

# of Gilts in the Breeding Herd on ending date	# of Gilts: The count of gilts currently arrived into the herd without a service date + the count of retained gilts made available
(Target is number of gilts)	(Gilts + Retained Gilts Made Available)
	Target: (Target sow herd size/ Target Sow :Gilt Ratio)rounded to whole number
Av. Days in herd is # of days	Average number of days in herd (((sum of reporting end date – arrival date)+(sum of reporting end date – made available date)) / number of gilts in the herd)
# of Retained Gilts on the farm on ending date	<i># of Retained Gilts: The count of retained gilts arrived on the farm not made available to the herd</i>
(Target is number of retained gilts)	<i>Target: (Target sow herd size/ Target Sow :Gilt Retained Ratio)A target must be set to generate on report</i>
# of gilts Overdue for Service	The count of gilts that are not served but are overdue based on the user defined acclimatization and overdue days in properties.
	Date available to be bred is less than reporting date
	(Arrival/Made Available date + Acclimatization days + Overdue for Service days) = Date < Reporting date
# (of Gilts+ Retained Gilts) Available to be served	The count of gilts that are available to be bred based on the user defined acclimatization period in the report properties and the retained gilts not bred but are made available to the herd for breeding
	Date available to be bred is greater than reporting date but less then overdue service date and greater than acclimatization.
	Date of acclimatization is greater than reporting date
	& Date of service overdue is less than reporting date

	((Arrival date/Made Available Date + Acclimatization days) > Reporting Date) & (Arrival date /Made Available date + Acclimatization days + Overdue for Service days) < Reporting date
# of Gilts in Acclimatization	The count of gilts in acclimatization period but are not available to be bred.
	Date of acclimatization is greater than reporting date
	((Date of arrival + acclimatization days)> reporting date)
# of Retained Gilts on farm	The count of retained gilts that arrived into the farm but are not made available to the herd for breeding.
Identity	Identity of Gilt and Retained Gilts
Genetics	The genetic status of a gilt at the time of arrival
	(LIM: Genetics use Name)
Number of Heat No service Detected	Integer representing the count of all heat no service events for the gilt recorded between the arrival date and the day for which the report was generated
Gilt Age (Days)	Integer representing the number of days between the gilts birthday and the day for which this report was generated
	(reporting date – gilt date of birth)expressed in days
Location	Barn, Room, and Pen the gilt resided in on the day for which the report was generated
Days in Herd	Integer representing the number of days between the arrival date and the day for which this report was generated and the number of days between the gilt made available and the day for which this report was generated.
	(Reporting date – Arrival date)
	(Reporting date – Gilt made available)

Herd Category	Assigned cohort at the time of arrival
	(LIM: Herd Category use Name)

Heat Check List

# Due to be checked on date due to be checked (Served on date of service for group)	The count of the number of sows that are due on a specific date based on the period defined
	Date of service for group:
	(period date – "N")
	"N" = number of days set by the user prior to running the report.
	Females are listed as a group based on their heat check due date (service date)
	Each due date is individually represented as a row provided there is a minimum of 1 sow for due date
Identity	Identity of sow
Genetics	The genetic status of a gilt at the time of arrival
	(LIM: Genetics - Name)
Parity/ Cycle	Parity – The number of reproductive parities expresses by farrowing
	Cycle – The number of reproductive cycles expressed by a 1 st service
	Only one will be displayed based on the users preferences selected in settings.
Service Date	Date sow was served (Represented by the 1 st mating date in the service)
Matings in Service	The count of inseminations of a sow in the same estrus period.
	One or more matings in the same estrus period comprise a service.
Service Number	Count of estrus periods for the sow in the same cycle
Days Since Last Weaned	Calculates the number of days between the last complete wean date and the current service date of the sow.
	(Current service date – last complete wean date)

Location	Current barn, room and pen of the sow if recorded based on reporting date
Service Group	User defined service group if recorded (LIM – Service group)
Herd Category	The herd category of a gilt at the time of arrival
	(LIM: Herd Category - Name)

Lactation Length Analysis

Lactation Length	The number of days between farrowing and weaning of a sow. Day of farrowing is counted as day 0
# sows completely weaned (1) between begin date and end date (Av. Lactation Length #)	# = Sum of sows that complete weaned in period
	1 = Sows that had subsequently farrowed
	Av. Lactation Length = (sum of all lactation lengths of sows complete weaned in period) / (# of sows complete weaned in period)
Lactation Length vs. Total Born Scattergraph (Av. Total Born #)	Av. Total Born = (Sum of all total born of sows Complete Weaned in period) / (# of sows Complete Weaned in period)
X Axis - Lactation Length	Lactation Length # – Will display based on Axis settings – see General report doc.
No. Sows	Count of sows per Lactation Length
Mean	(Sum of all <i>specific attributes</i> per Lactation Length) / (No. sows per Lactation Length)
Lactation Length vs. Liveborn Scattergraph (Av. Liveborn #)	Av. Liveborn = (Sum of all liveborn of sows Complete Weaned in period) / (# of sows Complete Weaned in period)
Lactation Length vs. Stillborn Scattergraph (Av. Stillborn #)	Av. Stillborn = (Sum of all stillborn of sows Complete Weaned in period) / (# of sows Complete Weaned in period)
Lactation Length vs. Mummified Scattergraph (Av. Mummified #)	Av. Mummified = (Sum of all mummified of sows Complete Weaned in period) / (# of sows Complete Weaned in period)
Lactation Length vs. Days to First Service Scattergraph (Av. Days to First Service #)	Av. Days to First Service = (Sum of all days to first service of sows complete weaned in period) / (# of sows complete weaned in period)
	Days to First Service = (Previous service date – previous wean date)

Av. Farrowing Rate #%, Av. Repeat Rate # %	Av. Farrow Rate = (number of sows per lactation length with subsequent services presumed effective or farrowed)/ (number of sows per lactation length with subsequent services)
	Av. Repeat Rate = (number of sows per lactation length with subsequent services that returned)/ (number of sows per lactation length with subsequent services)
Numeric View	Numbers represent the number of sows that meet the criteria based on Lactation Length and the performance trait analyzed
Proportional View	Displays according to the largest sow grouping based on the performance trait within the period
Mean Line	Plotted based on the averages per Lactation Length based on the performance trait analyzed
Days to First Service Interval	The number of days between a weaning and a service for a sow
Event Date	Date on which event occurred
Expected to Farrow	Expected to farrow = 100
	Expected not to farrow = 0
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Lactation Length	Days between the farrowing and weaning of a sow
Liveborn	Number of piglets born alive
Mummified	Number of piglets born mummified
Parity	Number of reproductive parities expressed by farrowing
Returns to Service	Number of returns to service within the same cycle/parity
Stillborn	Number of piglets born dead

Total Born	Total number of piglets born (liveborn + stillborn = mummified)
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Litter Reconciliation

"N" Sows Completed Weaned in <i>Week #, Year</i>	"N" Count of the number of sows that weaned in a specific week (7 day period) based on the period length set.
	Each week represents a individual week. Minimum of 1 sow weaned to display
Identity	Identity of Sow
Genetics	The genetic status of a sow (LIM: Genetics – Name)
Parity/ Cycle	Parity – The number of reproductive parities expresses by farrowing
	Cycle – The number of reproductive cycles expressed by a service
	Only one will be displayed based on the users preferences selected in settings
Complete Weaned	Date on which sow complete weaned (End wean date sow stopped lactation)
Liveborn	The number born alive
Piglet Losses	Cumulative count of piglet losses for analyzed parity
Fosters On	Cumulative count of fostered on piglets for analyzed parity
Fosters Off	Cumulative count of fostered off piglets for analyzed parity
Total Weaned	The number total weaned for the analyzed parity
Litter Reconciliation	The difference between recorded remaining piglets for the analyzed cycle/parity and the number of recorded piglets weaned. Number can be expressed as a negative.
	Total weaned (part wean + nurse weaned + complete wean)
	(Total Weaned - (Liveborn + fostered on + nursed on – piglets loss – fostered off)) integer can be expressed as neg or pos.
Herd Category	Assigned cohort at the time of arrival (LIM: Herd Category – Name)

Mating List

# Matings to <i>boar/semen batch identity</i>	The total number of matings based on the specific boar/semen batch identity used for the period length
Identity	Identity of sow
Genetics	The genetic status of a gilt at the time of arrival (LIM : Genetics – Name)
Parity/ Cycle	Parity – The number of reproductive parities expresses by farrowing Cycle – The number of reproductive cycles expressed by a service
	Only one will be displayed based on the users preferences selected in settings.
Service Number	The number of estrus periods a sow has for a single cycle/parity
Mating	Display the mating sequence in which the mating occurred within the service period X# - Format: Example X1 = 1 st mating in service X2 = 2 nd mating in service
	Service Period - One or more matings within a single estrus period
Mating Operator	The recorded operator for the mating in period LIM: Operator - Name
Herd Category	Assigned cohort at the time of arrival (LIM: Herd Category - Name)
Mating Date	Date the mating (insemination) occurred
Mating Number	Display the order number in which the mating occurred within the service period – X# Format

Open Sow List

# of Open Sows on end date	The total count of the sows that are open for all active females across whole herd – irrespectively of items selected in properties
Report grouping	Each option selected by user will create the female groups to be displayed
	Each group will represented provided a minimum of 1 female is present
# of Weaned Sows	The count of sows that are weaned but not served
	Lists all the sows that are weaned no matter the days since weaned.
# Gilts and Made Available	The count of gilts and gilts made available in the herd.
	Lists all gilts in the herd excluding retained gilts that are not available.
# of Sows Aborted	The count of the sows that have aborted but have not been bred. Lists both induced and natural aborted sows.
# of Sows Pregnancy Check Negative	The count of the sows that have a recorded pregnancy check of negative or open (NIP) and have had an observed heat.
Identity	Identity of Female
Genetics	The genetic status of a female
Herd Category	Assigned cohort at the time of arrival
Cycle	Cycle – The number of reproductive cycles expressed by a service
Parity	Parity – The number of reproductive parities expresses by farrowing
Days Open	Number of days between date of last event and report date.
Service Number	The number of estrus periods in a cycle/parity
Location	Current barn, room and pen of the sow if recorded based on the reporting date

Parity Scattergraphs

Numeric View	Numbers represent the number of sows that meet the criteria based on parity and the performance trait analyzed
Proportional View	Displays according to the largest sow grouping based on the performance trait within the period
Mean Line	Plotted based on the averages per parity based on the performance trait analyzed. Mean line is drawn for each parity group provided there is a minimum of 20 observations
No. Sows	Count of sows per parity
Mean	$(\text{Sum of all variable attribute per parity}) / (\text{No. sows per parity})$
# sows farrowed between begin date and end date (Av. Parity #)	# = Sum of sows that farrowed in period
	$\text{Av. Parity} = (\text{sum of all parities of sows farrowed in period}) / (\# \text{ of sows farrowed in period})$
# sows completely weaned between begin date and end date (Av. Parity #)	# = Sum of sows that complete weaned in period
	$\text{Av. Parity} = (\text{sum of all parities of sows complete weaned in period}) / (\# \text{ of sows complete weaned in period})$
Parity vs. Liveborn Scattergraph (Av. Liveborn #)	$\text{Av. Liveborn} = (\text{Sum of all liveborn of sows farrowed in period}) / (\# \text{ of sows farrowed in period})$
Parity vs. Stillborn Scattergraph (Av. Stillborn #)	$\text{Av. Stillborn} = (\text{Sum of all stillborn of sows farrowed in period}) / (\# \text{ of sows farrowed in period})$
Parity vs. Mummified Scattergraph (Av. Mummified #)	$\text{Av. Mummified} = (\text{Sum of all mummified of sows farrowed in period}) / (\# \text{ of sows farrowed in period})$
Parity vs. Piglet Losses Scattergraph (Av. Piglet Losses #)	$\text{Av. Piglet Losses} = (\text{Sum of all piglet losses of sows complete weaned in period}) / (\# \text{ of sows complete weaned in period})$

Parity vs. Piglets Weaned Scattergraph (Av. Piglets Weaned #)	Av. Piglets Weaned = (Sum of all piglets weaned of sows complete weaned in period)/ (# of sows complete weaned in period)
Parity vs. Sub-standard Weaned Scattergraph (Av. Sub-standard Piglets Weaned #)	Av. Sub-standard Weaned = (Sum of all sub-standard piglets weaned of sows complete weaned in period)/ (# of sows complete weaned in period)
Parity vs. Days to First Service Scattergraph (Av. Days to First Service #)	Av. Days to First Service = (Sum of all days to first service of sows complete weaned in period)/ (# of sows complete weaned in period)
	Days to First Service = (Previous service date – previous complete wean date)
Days to First Service Interval	The number of days between the previous wean and previous service
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Liveborn	Number of piglets born alive
Mummified	Number of piglets born mummified
Parity	Number of reproductive parities expresses by farrowing
Stillborn	Number of piglets born dead
Piglet Loss	Number of piglets recorded as dead
Sub-Standard Weaned	Number of piglets record as sub-standard weaned
	Piglets weaned but do not meeting wean criteria
Total Born	Total number of piglets born (Liveborn + stillborn = mummified)
Total Weaned	Number of piglets weaned

Performance Analysis (By Group)

Blue attributes will not display on report they will be available for export in the summary data

Total Services	Count of total services in grouping (1st service + repeat services in grouping)
Av. Service number	(Sum of all service numbers in the grouping/total services in grouping)
First Services	(Sows served 1st service + Gilts 1st service in grouping)
Gilt Services	Count of gilt services in grouping
% of 1st Services	(Gilt Services in grouping/ total first services in grouping) * 100
Sum of Days Arrival to 1st Service	Sum of the days from Arrival to 1st Service for served gilts in grouping
Arrival to 1st Service Interval	(Sum of the days from Arrival to 1st Service for served gilts in grouping)/(Gilts served in grouping)
Available to 1st Service Interval	Service date - Gilt made available date)/Gilts retained served in grouping)
Sow First Service	Sum of sows weaned with 1st service in grouping
Sum of Days Wean to 1st Service	Sum of the days from Wean to 1st Service for served sows in grouping
Weaning to 1st Service Interval	(Sum of the days from Wean to 1st Service for served sows in grouping)/(sows served in grouping)
Sows Bred by 7 Days	# of sows served with in 7 days of weaning
% Bred of sow 1st service	(Sows bred by 7 days in grouping)/(# of sows served in grouping)
Repeat Services	Count of repeat services in grouping
% Repeat Services	(repeat services in grouping / total services in grouping)* 100
AI Services	Count of services that Artificial insemination were used for all matings
% of Total Services	(AI services in grouping/ total services in grouping)
Natural Services	Count of services that natural boars were used for all matings
% Total Services	(Natural services in grouping/ total services in grouping) * 100

Mixed Services	Count of services that Artificial insemination and natural boars were used for all matings
% Total Services	$(\text{Mixed services in grouping} / \text{total services in grouping}) * 100$
Solo Boar Services	Count of services that the same boar or Ai batch number were used for all matings
% Total Services	$(\text{solo boar services in grouping} / \text{total services in grouping}) * 100$
Number of Multiple Matings	Sum of females with matings > 1 in the grouping
% of Multiple Matings	$(\# \text{ of multiple matings in grouping}) / (\text{Total number of services in grouping}) * 100$
Total Matings	Count of total matings in grouping
Matings/Service	$(\text{total matings in grouping} / \text{total services in grouping})$
Conception Rate	$(\text{number of services in grouping that have not had a negative event e.g. PD-, AB I.e assumed to be in-pig} / \text{number of all services in grouping}) * 100$
Av. Age @ Services (Parity)(Cycle)	$(\text{sum of parities or cycles of sows first served in grouping} / \text{number of sows first served in grouping})$ - will display based on user define setup
Farrowings (Litters)	Count of sows farrowed in grouping
Assisted Farrowings	Count of sows that were assisted in farrowing of the number of sows farrowed
Induced Farrowings	Count of sows that were induced to farrow of the number of sows farrowed
Total Born	$(\text{Sum of number born alive} + \text{number stillborn} + \text{number mummified})$
Total Born / Litter	$(\text{total piglets born in grouping} / \text{farrowings in grouping})$
Liveborn	Count of piglets born alive in grouping
Liveborn/Litter	$(\text{piglets born alive in grouping} / \text{farrowings in grouping})$
Stillborn	Count of piglets stillborn in grouping
Stillborn/ Litter	$(\text{piglets stillborn in grouping} / \text{farrowings in grouping})$

Mummified	Count of piglets mummified in grouping
Mummified/ Litter	(piglets mummified in grouping/ farrowings in grouping)
Av. Litter weight	(Sum of birth weights in grouping/ # of litters farrowed in grouping with birth weights)
Pigs Born Alive With Birth weight	Sum of piglets farrowed with birth weights in grouping
Av. Piglet Weight	(Sum of birth weights in grouping/ Pigs born alive with birth weights)
Farrowing Rate	Offset grouping dates = (grouping begin date - 115 days) and (grouping end date -115 days)
	Service Cohort = Cumulative sum of services that occurred in the offset grouping
	((Cumulative sum of services in the cohort that resulted in a farrowing and/or late farrowing)/(number of services in the service cohort)) * 100)
Farrowing Index	(365.25/(The sum of farrowing interval /total sows farrowed in grouping > 1st parity))
Sum of Sows > 1st Parity	Count of sows farrowed in grouping > 1st parity
Sum of Farrow - Farrow Indices	Sum of days between previous farrow to current farrow in grouping
Av. Farrowing Interval	(Sum of farrow - farrow indices)/(sum of sows > 1st parity)
Sum of all Gestation Lengths	Sum of the # of days between the conception service and the subsequent farrowing in grouping) Day of presumed conception counted as day 0
Av. Gestation Length	(Sum of all gestation lengths)/(farrowings in grouping)
Av. Age @ Farrowing (Parity/cycle)	(sum of parities/cycles of sows farrowed in grouping/ number of sows farrowed in grouping)- will display based on user define setup
Total Piglet Losses	Sum of the number recorded piglet deaths in grouping

% of Liveborn	(total losses in grouping / total bornalive in grouping)
Av. Age @ Loss	$((\text{Piglet loss date} - \text{FW date}) * (\text{number of piglets})) + ((\text{Piglet loss date} - \text{NS date}) + \text{recorded average age}) * (\# \text{ of piglets})) / \text{total number of losses pigs in grouping}$
Losses under 2 Days old	Count of piglet deaths record > 2 days from date of farrowing in grouping
% of total Losses	$(\text{total number of losses} > 2 \text{ days old in grouping} / \text{total liveborn in grouping}) * 100$
% of Liveborn	$(\text{total losses under 2 days in grouping} / \text{total bornalive in grouping})$
Losses 2-8 Days Old	Count of piglet deaths record 2 - 8 days from date of farrowing in grouping
% of Total Losses	$(\text{total number of losses 2-8 days old in grouping} / \text{total liveborn in grouping}) * 100$
% of Liveborn	$(\text{total losses under 2 - 8 days in grouping} / \text{total bornalive in grouping})$
Losses over 8 days old	Count of piglet deaths record < 8 days from date of farrowing in grouping
% of Total Losses	$(\text{total number of losses} < 8 \text{ days old in grouping} / \text{total liveborn in grouping}) * 100$
% of Liveborn	$(\text{total losses under} < 8 \text{ days in grouping} / \text{total bornalive in grouping})$
Av. Age of Sows (Parity/Cycle)	$(\text{sum of parities/cycles of sows with piglet losses in grouping} / \text{number of sows with piglet losses in grouping})$
Sows Complete Weaned	Count of sows that complete weaned in grouping (complete wean sows + complete wean for nurse sows) Excludes nurse sows created
Nurse Sows Weaned	Count of sows with Nurse sow complete weans in grouping
Litters Weaned	Count of the litters weaned in grouping (Litters complete weaned from sows weaned + Litters complete weaned from Nurse Sows weaned + Litters weaned from Nurse Sows Created) Excludes litters weaned with 0 piglets

Nurse Sows Created	Count of the females made a nurse sow in grouping
Piglets Weaned	Count of piglets weaned in grouping (weaned piglets + part weaned piglets + Nurse sow weaned piglets)
from sows Part Weaned	Count of piglets from PW sows in grouping
Sub-standard Weaned	count of substandard piglets weaned in grouping
% of Piglets Weaned	(number substandard weaned in grouping/ piglets weaned in grouping)
Av. Piglets Weaned / Litter	(sum of piglets weaned in grouping / (total litters weaned in grouping)
(Minus Part-weaned Piglets)	((sum of piglets weaned in grouping – part weaned piglets) / (Total litters weaned in grouping)
Sum of piglet age at Weaning	(Complete Wean Date - Farrow date)* piglets)+(PWN Date - Farrow Date)*piglets)+(CW - NS * piglets)+(PWN - NS)*piglets+ NS-NS*piglets)+ CWN - NS *piglets) + (CNS - FW)*piglets)
Av. Piglet Age	(Sum of piglet ages @ weaning/number of piglets weaned in grouping)
Av. Litter Weaned Weight	(Sum of wean weights in grouping/ # of litters weaned in grouping with wean weights)
Pigs Weaned With Birth Weight	Sum of piglets weaned with birth weights in grouping
Av. Piglet Wean Weight	(Sum of weaned weights in grouping/ Pigs weaned with birth weights)
Sum of Lactation Lengths	(Sum of days between farrowing and complete weaning for females weaned in grouping)Day of farrowing counted as day 0
Av. Lactation Length	(Sum of days between farrowing and weaning for females complete weaned in grouping)/ Females complete weaned in grouping)
Av. Age @ Weaning (Parity/Cycle)	(sum of parities/ cycles for sows weaned in grouping/ number of sows weaned in grouping)
Av. Gilts Inventory	(Cumulative gilt days/ days in grouping)
Ending Gilt Inventory	Count of active gilts in the herd on the last day of grouping length

Av. Sow Inventory	(Cumulative sow days/ days in grouping)
Ending Sow Inventory	Count of active sows in the herd on the last day of grouping length
Average Parity	(sum of female parities in grouping/ number of females in grouping)
Sows Added /Gilts Entered	sum of gilts with 1st services, arrived sows and transferred in females
Sows Died	Sum of females that died in grouping
Sows Culled/ Sold	Sum of females culled or sold in grouping
Sows Transferred Off	Sum of females transferred off in grouping
Av. Boar Inventory	(Cumulative boar days/ days in grouping)
Ending Boar Inventory	Count of active boars in the herd on the last day of reporting grouping
Av. Non Productive Days/ Sows/ Year	Total number of days that all sows were not gestating or lactating
	(Non productive days)/ Average sow inventory)* (365.25/days in grouping)
	Sum of all nonproductive days = Sows: (Removal date – complete wean date) + (Service Date - Complete Wean date) + (Service Date - Arrival date) + (Removal date - Arrival date or Made Available date)
Av. Non Productive Days/ Female/ Year	Total number of days that all gilts and sows were not gestating or lactating
	(Non productive days)/ Average female inventory)* (365.25/days in grouping)
	Sum of Lifetime nonproductive days = Gilts: (Removal date - arrival date or made available date)
Cycle	Number of reproductive cycles expressed by a service
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Parity	Number of reproductive parities expresses by farrowing

**Performance
Trend Analysis**

Blue attributes will not display on report they will be available for export in the summary data

	Actual	Target
Total Services	Count of total services in period (1st service + repeat services in period)	$((\text{Target Sow Herd Size} * \text{Target Farrowing Index}) / (\text{Target Farrowing Rate}/100)) / (365.25/\text{Number days in period})$
Av. Service number	(Sum of all service numbers in the period/total services in period)	
First Services	(Sows served 1st service + Gilts 1st service in period)	
Gilt Services	Count of gilt services in period	(Target Total services)* (Target % Gilt services)
% of 1st Services	(Gilt Services in period/ total first services in period) * 100	
Sum of Days Arrival to 1st Service	Sum of the days from Arrival to 1st Service for served gilts in period	
Arrival to 1st Service Interval	(Sum of the days from Arrival to 1st Service for served gilts in period)/(Gilts served in period)	
Available to 1st Service Interval	Service date - Gilt made available date)/Gilts retained served in period)	
Sow First Service	Sum of sows weaned with 1st service in period	(Target total services) * Target % Weaned Services)
Sum of Days Wean to 1st Service	Sum of the days from Wean to 1st Service for served sows in period	
Weaning to 1st Service Interval	(Sum of the days from Wean to 1st Service for served sows in period)/(sows served in period)	
Sows Bred by 7 Days	# of sows served with in 7 days of weaning	
% of sow 1st service	(Sows bred by 7 days in period)/(# of sows served in period)	

Repeat Services	Count of repeat services in period	(Target total services* Target % Repeat Services)
% Repeat Services	(repeat services in period / total services in period) * 100	User defined targets set for % of services which are classified as repeats or returns to service
AI Services	Count of services that Artificial insemination were used for all matings	
% of Total Services	(AI services in period/ total services in period)	
Natural Services	Count of services that natural boars were used for all matings	
% Total Services	(Natural services in period/ total services in period) * 100	
Mixed Services	Count of services that Artificial insemination and natural boars were used for all matings	
% Total Services	(Mixed services in period/ total services in period) * 100	
Solo Boar Services	Count of services that the same boar or Ai batch number were used for all matings	
% Total Services	(solo boar services in period/ total services in period) * 100	
Number of Multiple Matings	Sum of females with matings > 1 in the period	(Target Total Services) * (Target % Multiple Matings)
% of Multiple Matings	(# of multiple matings in period)/(Total number of services in period) X100	
Total Matings	Count of total matings in period	(Target Total Services)* (Target matings/service)
Matings/Service	(total matings in period / total services in period)	Targets set for average number of matings in each service

Conception Rate	(number of services in period that have not had a negative event e.g. PD-, AB I.e assumed to be in-pig / number of all services in period) * 100	
Av. Age @ Services (Parity)(Cycle)	(sum of parities or cycles of sows first served in period/ number of sows first served in period)- will display based on user define setup	
Farrowings (Litters)		$((\text{Target Services/Week}) * \text{Farrowing Rate}/100) * (365.25/\# \text{ of days in period})$

Assisted Farrowings		
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Induced Farrowings		
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Total Born		(Target total farrowings * (target # Born Alive/litter + target # Stillborn/litter + target # mummified/litter))
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Total Born / Litter		(Sum of target # bornalive + target # stillborn + target # mummified)
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Liveborn		(Target total farrowings * target # Born Alive/litter)
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Liveborn/Litter		User defined target for average number of Born Alive/ litter
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Stillborn		(Target total farrowings * target # stillborn litter)
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Stillborn/ Litter		User defined target for average number of stillborn / litter
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Mummified		(Target total farrowings * target # mummified litter)
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Mummified/ Litter		User defined target for average number of mummified/ litter
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Av. Litter weight		
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Pigs Born Alive With Birth weight		
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Av. Piglet Weight		
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Farrowing Rate		User defined target for of sows farrowed as a % of sows served to farrow in that period
	Service Cohort = Cumulative sum of services that occurred in the offset period	

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Farrowing Index

User defined target for the
average number of
litters/sow/ year

Sum of Sows > 1st Parity		
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Sum of Farrow - Farrow Indices		
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Av. Farrowing Interval		$(365.25 / \text{target farrowing index}) \text{ Round}$
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Sum of all Gestation Lengths		
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Av. Gestation Length		User defined target for the average number of days from effective service to farrowing >109 - <126 days
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Liveborn/Sow/ Year		(Target Liveborn in period / Target Herd Size)* (365.25/ days in period)
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Liveborn/ Female/ Year		(Target Liveborn in period/ (target herd size + ((Target herd size/ target sow: gilt ration)))* (365.25/ days in period)
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Av. Age @ Farrowing (Parity)		

Total Piglet Losses		(Target Liveborn* Target % total losses)
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% of Liveborn		Total % of piglets lost; expressed as a % of Born Alive
		(% lost <2 Days + % Lost 2-8 Days + % lost > 8 Days)

Av. Age @ Loss		
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Losses under 2 Days old		(Target Liveborn*Target % <2 days losses)
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% of total Losses		
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<p>% of Liveborn</p>		<p>% of piglets lost under 2 days of age; expressed as a % of Born Alive</p>
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Losses 2-8 Days Old		(Target Liveborn*Target % 2-8 days losses)
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% of Total Losses		
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<p>% of Liveborn</p>		<p>% of piglets lost between 2 - 8 days of age; expressed as a % of Born Alive</p>
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Losses over 8 days old		(Target Liveborn* Target % > 8 days losses)
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% of Total Losses		
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<p>% of Liveborn</p>		<p>% of piglets lost over 8 days of age; expressed as a % of Born Alive</p>
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Av. Age of Sows (Parity)		
Sows Complete Weaned	Count of sows that complete weaned in period (complete wean sows + complete wean for nurse sows) Excludes nurse sows created	

Nurse Sows Weaned		
Litters Weaned	Count of the litters weaned in period (Litters complete weaned from sows weaned + Litters complete weaned from Nurse Sows weaned + Litters weaned from Nurse Sows Created) Excludes litters weaned with 0 piglets	

Nurse Sows Created		
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Piglets Weaned		(Target Born Alive – target total losses)
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from sows Part Weaned		
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Sub-standard Weaned		(Target piglets weaned* target % sub-standard weaned)
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<p>% of Piglets Weaned</p>		
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Av. Piglets Weaned / Litter		
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<p>(Minus Part-weaned Piglets)</p>		
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Litter Reconciliation		
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Prewearing Mortality Rate		
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Av. Piglets Weaned per Litter		(Target Piglets weaned/ target sows weaned)
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(Minus Part-weaned Piglets)		
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Sum of piglet age at Weaning		
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Av. Piglet Age		
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Av. Litter Weaned Wiegth		
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Sum of Adjusted Weaning Weights		
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Av. Adjusted Weaned Weight		
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Pigs Weaned With Birth Weight		
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Av. Piglet Wean Weight		
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Sum of Lactation Lengths		
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Av. Lactation Length		User defined target for the average number of days between a farrowing and a complete weaning
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Piglets Weaned/ Sow/ Year		(Target piglets weaned / Target Herd Size)* (365.25/ days in period)
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Piglets Weaned/ Female/ Year		(Target piglets weaned/ (target herd size +((Target herd size/ target sow: gilt ratio))* (365.25/ days in period)
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Av. Age @ Weaning (Parity)		
Field		

Av. Gilts Inventory		(Target sow herd size / Target Sow :Gilt Ratio)
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Ending Gilt Inventory		
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Av. Sow Inventory		User defined target for the average number of sows in herd
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Ending Sow Inventory		
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Average Female Age (Parity)		
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Average Female Age (Cycle)		
Sows Added /Gilts Entered	sum of gilts with 1st services, arrived sows and transferred in females	

Replacement Rate		
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Sows Died		
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<p>% Female deaths /year</p>		
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Sows Culled or Sold		
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<p>% Female Cull(Sold)/ Year</p>		
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Sows Transferred Off		
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<p>% Female Transferred/ year</p>		
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Av. Boar Inventory		(Target sow herd size/ target sow:boar ratio)
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Ending Boar Inventory		User defined target for the ratio of sows to boars
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Sow: Boar Ratio		User defined target for the ratio of sows to gilts
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Sow: Gilt Ratio		
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Av. Non Productive Days/ Sows/ Year		
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	Sum of all nonproductive days = Sows: (Removal date – complete wean date) + (Service Date - Complete Wean date) + (Service Date - Arrival date) + (Removal date - Arrival date or Made Available date)	

Av. Productive Days/Sow/Year		

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Av. Non Productive Days/ Female/ Year		
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	Sum of Lifetime nonproductive days = Gilts: (Removal date - arrival date or made available date)	

Av. Productive Days/ Female / Year		

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Av NPD/ Parity Record		
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Cycle	Number of reproductive cycles expressed by a service	
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Genetics	Genetics status given to the animal at the time of arrival - LIM	
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Herd Category	Cohort category given to the animal at the time of arrival - LIM	
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Identity	Individual identity given to the animal at the time of arrival	
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Parity	Number of reproductive parities expresses by farrowing	
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Piglet Loss Report

# piglets loss between begin date and end date	# = Sum of piglet deaths recorded as a loss in the period length
(Av. Parity #)	(Sum of all sows parities with piglets losses in period / number of sows with piglet losses in period)
X Axis – Reasons	Displays the different name of the reason (s) recorded within period length.
	Dataset contingent
X Axis – Parity	Parity #– Will display based on Axis settings – see General report doc.
	Defaults: Minimum = 1 – Maximum = 14
X Axis – Piglet Age (Days)	Age Piglet Days- Will display based on Axis settings – see General report doc.
	Defaults: Minimum = 0 – Maximum = 21
Y Axis – Number of Piglets	Dataset contingent
	Minimum = 0
No. Sows	Count of sows per reason name
Mean	(Sum of all piglet losses per reason/parity/age) / (No. sows per reason/parity/age)
Piglets Age (Days)	(Sum of (Piglet loss date – date of birth) + ((piglet loss – nurse sow date) + recorded piglet age) / (sum of piglets lost)
Av. Parity	(Sum of all sows parities with piglets losses in period / number of sows with piglet losses in period)
# % reason	Percent of total piglet losses per X axis (count of piglet losses per x axis/ total count of piglet losses in period)* 100
# piglets loss between begin date and end date (Av. Parity #)	# = Sum of piglet deaths recorded as a loss in the period length
	(Sum of all sows parities with piglets losses in period / number of sows with piglet losses in period)

Parity vs. piglets Age Scattergraph (Av. Piglets age # Days)	$(\text{Sum of (Piglet loss date - date of birth) + ((piglet loss - nurse sow date) + recorded piglet age)} / (\text{sum of piglets lost}))$
No. Piglets	Count of piglets lost per parity
Piglet Age	The difference between (Piglet loss date - date of birth) and/or (piglet loss - nurse sow date) + (recorded piglet age) expressed in days
Location	Most recent Barn, Room, and Pen the gilt currently resides in.
Cycle	Number of reproductive cycles expressed by a service
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival
Loss Date	Date on which loss occurred
Loss Reason	Reason for which the piglet died
Parity	Number of reproductive parities expresses by farrowing
Piglets Lost	Number of piglets recorded as dead
Total Piglet Age	$\text{Sum of (Piglet loss date - date of birth) + ((piglet loss - nurse sow date) + (recorded piglet age))}$

Pregnancy Check List

# Sows Due to be pregnancy checked between <i>beginning report date</i> and <i>ending report date</i> ("N" days post service)	Count of the number of sows that are due for pregnancy check between the period and the number of days after service selected by user.
	"N" = number of days set by the user prior to running the report.
# Due to be checked on <i>date due to be checked</i> (Served on date of service for group)	The count of the number of sows that are due to be checked on a specific date based on the period defined
	Date of service for group: (period date – "N")
	"N" = number of days set by the user prior to running the report.
	Females are listed as a group based on their pregnancy check due date (service date)
	Each due date is individually represented as a row provided there is a minimum of 1 sow for due to check on the date
Identity	Identity of sow
Genetics	The genetic status of a sow (LIM: Genetics – Name)
Parity	Parity – The number of reproductive parities expresses by farrowing
Cycle	Cycle – The number of reproductive cycles expressed by a service
Herd Category	The herd category of a sow at the time of arrival (LIM: Herd Category – Name)
Service Date	Date sow was served (Represented by the 1st mating date in the service)
Matings in Service	The count of inseminations of a sow in the same estrus period.
	One or more matings in the same estrus period comprise a service.

Service Number	Count of estrus periods for the sow in the same cycle
Location	Current barn, room and pen of the sow if recorded based on the reporting date
Service Group	User defined service group if recorded (LIM – Service group- Name)

**Production
Summary**

	Actual	Target
Total Services	Count of total services in period (1st service + repeat services)	$((\text{Target Sow Herd Size} * \text{Target Farrowing Index}) / (\text{Target Farrowing Rate}/100)) / (365.25/\text{Number days in period})$
Repeat Services (%)	Count of repeat services in period (repeat services in period / total services in period) * 100	(Target total services* Target % Repeat Services)
Av. Service Number	Sum of all service numbers in the period/total services in period	
Gilt Services (%)	Sum gilts w/ 1st services in period (Gilt Services in period/ total first services in period) * 100	(Target Total services)* (Target % Gilt services)
Av. Age at Service (Cycle/Parity)	(sum of parities or cycles of sows first served in period/ number of sows first served in period)- will display based on user define setup	
Total Matings	Count of total matings in period	(Target Total Services)* (Target matings/service)
Matings/Service	(total matings in period / total services in period)	Displays user defined target for Average number of matings in each service
Farrowings	Count of sows farrowed in period	$((\text{Target Services/Week}) * \text{Farrowing Rate}/100) * (365.25/\# \text{ of days in period})$
Total Born/Litter	Total number of piglets born (Sum of number bornalive + number stillborn + number mummified)	(Target total farrowings * (target # Born Alive/litter + target # Stillborn/litter + target # mummified/litter))

	(total piglets born in period/ farrowings in period)	% of target((actual totalborn / targeted totalborn)*100)
Liveborn/Litter	Number of piglets born alive (piglets born alive in period/ farrowings in period)	(Target total farrowings * target # Born Alive/litter) % of target((actual liveborn / targeted liveborn)*100)
Stillborn/Litter	Number of piglets born dead (piglets stillborn in period/ farrowings in period)	(Target total farrowings * target # stillborn litter) % of target((actual stillborn / targeted stillborn)*100)
Mummified/Litter	Number of piglets born mummified (piglets mummified in period/ farrowings in period)	(Target total farrowings * target # mummified litter) % of target((actual mummified per litter / targeted mummified)*100)
Liveborn/Sow/Year	(sum of total live born in period / total sows in period) * (365.25/ number of days in period)	(Target Liveborn in period / Target Herd Size)* (365.25/ days in period)
Liveborn/Female/ Year	(sum of total live born in period / (total sows + total gilts in period) * (365.25/ number of days in period)	(Target Liveborn in period/ (target herd size +((Target herd size/ target sow: gilt ration))* (365.25/ days in period)
Av. Piglet Age at Farrowing (Cycles/Parity)	(sum of parities or cycles of sows farrowed in period/ number of sows farrowed in period)-will display based on user define setup	
Farrowing Rate %	Offset period dates = (Period begin date – 115 days) and (period end date -115 days) Service Cohort = Cumulative sum of services that occurred in the offset period	Displays user defined target for Number of sows farrowed as a % of sows served to farrow in that period

	(((Cumulative sum of services in the cohort that resulted in a farrowing and/or late farrowing)/(number of services in the service cohort)) * 100)	
Total Losses (%)	Sum of the number recorded piglet deaths in period (total losses in period/liveborn in period)	(Target Liveborn* Target % total losses)
Losses under 2 days old	Count of piglet deaths record > 2 days from date of farrowing in period (total losses under 2 days old in period/liveborn in period)	(Target Liveborn*Target % <2 days losses)
Losses 2-8 days old	Count of piglet deaths record 2 - 8 days from date of farrowing in period (total losses 2 – 8 days old in period/liveborn in period)	(Target Liveborn*Target % 2- 8 days losses)
Losses over 8 days old	Count of piglet deaths record < 8 days from date of farrowing in period (total losses over 8 days old in period/liveborn in period)	(Target Liveborn* Target % > 8 days losses)
SowsComplete Weaned (Nurse Sows)	Count of sows that complete weaned in period Excludes Nurse Sows (Count of sows with Nurse sow complete weans in period)	((Target Services/Week) * Target Farrowing Rate)* (365.25/Number days in period)
Litters Weaned	Count of the litters weaned in period (Litters complete weaned from sows weaned + Litters complete weaned from Nurse Sows weaned + Litters weaned from Nurse Sows Created) Excludes litters weaned with 0 piglets	

Piglets Weaned/Litter	Count of piglets weaned in period (weaned piglets + part weaned piglets + Nurse sow weaned piglets) (sum of piglets weaned in period / litters weaned in period)	Targeted pigs weaned per litter (Targeted liveborn - (Targeted liveborn * (targeted total piglet loss /100)) Targeted total piglets weaned (targeted sows farrowed * targeted pig weaned per litter) % of target (actual total pigs weaned / targeted pigs weaned)*100
Sub-Standard Weaned (%)	Number of piglets record as sub-standard weaned (sum of total sub-standard piglets weaned in period)/(Sum of total piglets weaned in period)	(Target piglets weaned* target % sub-standard weaned)
Piglets Weaned/Sow/Year	(total piglets weaned in period/total sows in period) * (365.25 / number of days in period)	(Target piglets weaned / Target Herd Size)* (365.25/ days in period)
Piglets Weaned/Female/Year	(total piglets weaned in period/ (total sows + total gilts in period) * (365.25/ number of days in period)	(Target piglets weaned/ (target herd size +((Target herd size/ target sow: gilt ratio))* (365.25/ days in period)
Av. Litter Weaning Weight	(Sum of wean weights in period/ # of litters weaned in period with birth weights)	(Target avg. bornalive per litter) - (Target avg. bornalive per litter/Target % total losses)) * (Avg. Wean Wt. Per pig)
Av. Age At Weaning (Cycle/Parity)	(sum of parities or cycles for sows weaned in period/ number of sows weaned in period)	

Av. Lactation Length	(Sum of days between farrowing and weaning for females complete weaned in period)/ Females complete weaned in period)	Displays user defined target for average number of days between a farrowing and a complete weaning
Total Gilts	(Cumulative gilt days/ days in period)	(Target sow herd size / Target Sow :Gilt Ratio)
Total Sows	(Cumulative sow days/ days in period) Rounded	Displays user defined target Sow Herd Size
Sows Added	(sum of gilts with 1st services + arrived sows + transferred in females)	
Sows/Gilts Culled	Sum of females culled in period	
Sows/Gilts Died	Sum of females that died in period	
Total Boars	(Cumulative boar days/ days in period)	

Cycle	Number of reproductive cycles expressed by a service
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival. May be either numeric or alpha numeric
Parity	Number of reproductive parities expresses by farrowing
Location	Most recent Barn, Room, and Pen the gilt currently resides in

Prolific Sow

# Sows in the top # %	The count of sows based on their ranking Rankings Top: 10%, 11% - 25%, 26% - 50%
Identity	Identity of Sow
Genetics	The genetic status of a sow (LIM – Genetics)
Parity/ Cycle	Parity – The number of reproductive parities expressed by farrowing Cycle – The number of reproductive cycles expressed by a service
	Only one will be displayed based on the users preferences selected in settings.
Av. Total Born	Av. Lifetime total born/litter (Sum of piglets total born in lifetime)/(count of lifetime parity or cycle)
Av. Liveborn	Av. Lifetime liveborn/litter (Sum of piglets born alive in lifetime)/(count of lifetime parity or cycle)
Herd Category	Assigned cohort at the time of arrival (LIM – Herd Category)
Liveborn	Number of piglets born alive in period or parity
Total Born	Total number of piglets born (Sum of number born alive + number stillborn + number mummified)

Repeat Services Analysis

# Sows returned to service between begin date and end date (Av. Repeat Interval # Days)	# - Integer representing the total count of sows that repeated in the period.
	Av. Repeat Interval = sum of (repeat service date – service date)/ # sows returned to service
X Axis – Repeat Interval	Number of days between repeat service date and original service date
	Dataset contingent
Y Axis - Services	Defaults: Dataset contingent
% of sows per Interval	(Count of all services)/(Count of sows returned to service in the period)* 100
X Axis – Repeat Rate %	Defaults: Dataset contingent
Y Axis – Parity	% of sows that repeated based on their parity or cycle at the time of repeat
	(number of repeats per parity/ number of services in period)*100
	Defaults: Dataset contingent
Y Axis – Repeat Number	% of sows that repeated based on their service number
	(number of repeats per service number/ number of services in period)*100
# Cycle or Parity # sows that returned to service	Integer representing the total count of females in cycle or parity that returned to service in the period
ID	The ID of the animal
Genetics	Genetic line of female
Parity or Cycle	Number of reproductive parities expresses by farrowing
	Number of reproductive cycles expressed by a service

Repeat number	The number of repeat services a sow has had for the current estrus cycle
Repeat Date	The date of the first mating after estrus period
Original Service Date	The date of first mating during any one estrus period
Original Solo Boar/Semen	The boar/semen used in the original service for the current estrus cycle
Repeat Interval	Number of days between the repeat service date and the original service date in the current estrus cycle
Outcome	The final or current result
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Service Date	The date of first mating during any one estrus period

Non-productive Days	Non-productive days is any number of days which a female is neither gestating or lactating
	Days are counted based on the date of wean or arrival date/ gilt made available of the female to the date of the negative event
Weaned Sows	(date of earliest or latest negative event – date of wean)
Gilt Arrivals	(date of earliest or latest negative event – date of gilt arrival)
Gilt Retained	(Date of removal event – date of gilt retained arrival)
Gilt Made Available	(date of earliest or latest negative event – date of made available arrival)
Negative Events that cause non-productive days	Repeat to estrus service
	Abortion
	Pregnancy Check Negative
	Pregnancy Check Open
	Removal Event Cull
	Removal Event Death
Default days that contribute to non-productive days	Days are counted based on the date of wean or arrival date of the female to the date of the service.
Weaned Sows	(date of 1 st service – date of complete wean)

Gilt Made Available	(date of 1 st service – date gilt is available)
Earliest Negative event	1 st negative dropout reason for the cycle
Latest Negative Event	Last negative dropout reason for the cycle
Services	Count of total number of services in period by grouping
Percent Served	Percentage of all services in period for the grouping
Wean to Service Interval	(Sum of service date – previous wean date) / (Count of total number of services in period by grouping)
Returned to Service	#of females return services in period
Early Return	# of females returned < = 17 days in period (0-17 days)
Irregular Return	# of females returned between >25 <38 days in period (26-37 days)
Late Return	# of mated females returned >47 days in period (48+ days)
Regular Return	# of females returned between >17 <26 days in period & # of mated females returned between >37 < = 47 days in period (18-25 days) & (38 - 47 days)
1 st heat return	% of sows returned between >17 <26 days (18-25 days)
Repeat Rate	(repeat services in period / total services in period)* 100

Repeat Interval	(Sum of return to service date – first service date in period)/ number of returns to service in period)
Non-Productive Days	Average NPD for mated females returned in period
Checked Negative	# of females with first services that resulted in negative pregnancy diagnoses
Average NPD	Average NPD for females preg. Negative in period
Checked Not In Pig	# of females with first services that resulted in open/NIP pregnancy diagnoses
Average NPD	Average NPD for females preg NIP (Open) in period
Aborted	# of females with first services that resulted in abortion
Average NPD	Average NPD for females aborted in period
Culled	# of females with first services that resulted in removal type of culled
Average NPD	Average NPD for females culled in period
Died	# of females with first services that resulted in removal type of death
Average NPD	Average NPD for females died in period
All dropouts	Count of all females with first services that resulted in known dropout reasons
	Excludes overdue sows
All Dropouts Non-productive days	Sum of all NPDs for dropout reasons/count of dropout sows

	Excludes overdue sows
Overdue	# of sows with unknown results served > 125 days
	Sum of all NPD = (Report end date – wean date)+ (Report end date – Arrival date)+ (Report end date – made available date)
Average NPD	Average NPD for females overdue in period
% Of Total NPD	Percentage of all NPD in period for the grouping
Farrowed	Count of sows with first services in period that resulted in a farrowing
Late Farrowed	Count of sows with first services in period that resulted in a farrowing > 125 days
Farrowing Rate	# of farrowings in period/ # of total services in period
Over 125 Days	
Average Born Alive	Average born alive for sows with first services in period that resulted in a farrowing
Average Stillborn	Average stillborn for sows with first services in period that resulted in a farrowing
Age at First Service	Age of the gilt at the time of first cycle service (First cycle service date – date of birth)
Arrival Date	Date on which the animal was arrived into the herd
Cycle	Number of reproductive cycles expressed by a service

Days Since Last Weaned	Number of days between most recent complete wean and removal. (focus event date – complete wean date)
Days to Earliest Negative Event	Number of days between a weaning date or arrival date or made available date and the earliest negative event (Dropout Event)
Days to Latest Negative Event	Number of days between a weaning date or arrival date or made available date and the latest negative event (Dropout Event)
Days to Service	Number of days between a weaning date or arrival date or made available date and the service for a sow
Earliest Negative event	First negative dropout reason for the cycle
Latest Negative Event	Last negative dropout reason for the cycle
Identity	Individual identity given to the animal at the time of arrival
Parity	Number of reproductive parities expresses by farrowing
Farrowed	Did the sow service result in a farrow
	Yes = 100
	No = 0
First Service Date	Date on which the first service for the current estrus cycle occurred
Liveborn	Number of piglets born alive in period or parity
Service Number	The number of services a sow has had for the current estrus cycle

Stillborn	Number of piglets born dead in a period or parity
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Service Cusum

# Services between begin date and end date (Target Services per Week = #)	$((\text{Target Sow Herd Size} * \text{Target Farrowing Index}) / (\text{Target Farrowing Rate}/100))/52.18)$
Assuming a # sow herd size, # farrowing index and # farrowing rate	From targets
(Target Farrowings per Week #)	$((\text{Target Services}/\text{Week}) * (\text{Farrowing Rate}/100))$
X Axis	Cumulative Sum Expected
Minimum	0
Maximum	Based on data set – number of services Or (Target served * period length)
	Displays on largest number
Y Axis	Cumulative Sum Recorded
Minimum	0
Maximum	Based on data set – number of services Or (Target served * period length)
	Displays on largest number
Target number of services / week	Targeted Cumulative for each full week represented based on period definition
	$((\text{Sow Herd Size} * \text{Farrowing Index}) / (\text{Farrowing Rate}/100))/52.18)$
	$((\text{Sow Herd Size} * \text{Farrowing Index}) / (\text{Farrowing Rate}/100))/52.18) * X \text{ number of weeks in period}$
Target cumulative Sum	
	Note : 52.18 = weeks/year
Reported Services	Sum of all services with in completed week period (7 days)
	Sum of all services for completed week periods based on reporting time frame

Reported cumulative sum	
Cumulative Difference	(Reported cumulative sum - Target cumulative sum)
Target number of Farrowings / week	Targeted Cumulative for each full week represented based on period definition
	$((\text{Target Services/Week}) * (\text{Farrowing Rate}/100))$
	$((\text{Target Services/Week}) * (\text{Farrowing Rate}/100)) * X$ number of weeks in period
Target cumulative Sum	
Presumed In-pig	(reported services - negative outcomes)
Reported cumulative sum	Sum of reported services - negative outcomes for completed week periods based on reporting time frame
Cumulative Difference	(Reported cumulative sum -Target cumulative sum)
1 st Line will plot the number of services for each week from the first week of the current reporting period.	
Targeted Services – Red	The sum of the targeted cumulative services
Reported Services – Blue	The sum of reported services
	For each sow served their outcome is traced.
	Sows served may be represented once or many times within the same report e.g. a sow served and repeat served within the period will be represented twice (for two different weeks.)
2 nd line is the same number of services minus any sows with negative outcomes.	A negative outcome will include sows pregnancy checked negative, open, removals, abortions and returns to estrus.

**Service Performance
Summary**

Total Services	Count of total services in period (1st service + repeat services)
Matings per Service	Average number of matings in each service (total matings in period / total services in period)
Repeat Rate	% of services which are classified as repeats or returns to service (repeat services in period / total services in period)* 100
Average Sow Age (Parity/cycle)	(sum of sow parities in period/ number of sows in period) (sum of sow cycles in period/ number of sows in period)
Farrowing Rate	((number of services in period < 125) / (Number of Farrows and Late Farrows in period)) * 100
Conception Rate	(number of services in period that have not had a negative event e.g. PD assumed to be in-pig / number of all services in period) * 100
Average Liveborn	Average liveborn for sows that have farrowed (sum of liveborn for sows that farrowed/ number of effective services)
Average Stillborn	Average stillborn for sows that have farrowed (sum of stillborn for sows that farrowed/ number of effective services)
Average Totalborn	Average total born for sows that have farrowed (sum of total born for sows that farrowed/ number of effective services)
	Total born = (Liveborn + Stillborn + Mummified)
Average Wean	Average piglets weaned for sows that have weaned (sum of piglets weaned for sows that weaned/ number of effective services)
Percent over 125 days	Percentage of sows that have had enough time to farrow.
Total	Column total and averages
Standard Deviation	Standard deviation from total column mean

Solo Boar/Semen Batch Services	Boar/semen batch identity used for all matings in the service
First Boar/semen Batch Services	Boar/semen batch identity used for the first matings in the service
Boars/Semen Batches used per Service	Number of different boars used in a service period
Sow Genetics	The genetic line of sows served in period
Mating Type Sequence	The sequence of the matings in a service based on the type of mating
	A= AI
	N= Natural
Service Type	A - AI
	M – Mixed
	N - Natural
	? – Unknown
Service Number	The number of services a sow has had for the current estrus cycle
Wean to First Service Interval	Number of days between the pervious wean date and service date
Prior lactation Length	Number of days between the pervious farrow date and previous wean date
Parity or Cycle	Cycle – The number of reproductive cycles expressed by a service
	Parity – The number of reproductive parities expresses by farrowing
	Only one will be displayed based on the users preferences selected in settings.
Liveborn (Prior litter)	Number of liveborn piglets in the previous litter
Stillborn (Prior Litter)	Number of stillborn piglets in the previous litter
Piglets Weaned (Prior Litter)	Number of piglets weaned in the previous litter
Operator involved in all matings	The solo operator used for all matings in the service period
First Mating Operators	The operator recorded for the first mating in the service period
Genetics	Genetics status given to the animal at the time of arrival - LIM

Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival

Sow Cards

Group sow cards by event..	This option allows users to select groups of sows by event within a specific period of time.
	Served - Selects sows that had their last Service event
	Due to Farrow – Selects sows Due To Farrow. (Reporting date – targeted gestation)
	Arrived –Selects sows with a Arrival event.
	Farrowed - Selects sows with Farrow events
	Complete Weaned - Selects sows with a Weaning event
	To Be Culled: Selects sows with a To Be Culled event
	Retag selects sows that were retagged
Column for each parity	In details – display data associated with each parity below the number
Column for averages	Lifetime averages for each label in details for all parities for female display to 2 decimal
Female ID	Identity of the female
	Bold
Alt Id	Alternate female identity (Below ID)
Dam	Dam Genetics
Sire	Sire Genetics
Genetics	Females Genetics
Age (Yrs)	The age of the female expressed in years based on the date of birth (Todays date - DOB)

Last Event	Last event name that occurred
Liveborn/Year	Est. (((sum of total liveborn)*365.25)/(most current farrow date – 1 st cycle service date)) Round
On	Date on which event occurred
Weaned/Year	Est. (((sum of total piglets weaned)*365.25)/(most current complete wean date – 1 st cycle service date)) Round
Cycle/Parity	Display each individual completed cycle/parity number for the sow.
	Each completed parity represents a new column. For space allotment if to many columns drop off the oldest parity information. However the dropped parity information is included into the female average information
	(6 most current)
Boars and Genetics	Number of boars/semen batches used in service (estrus period) Based on the boar identities and/or semen batches used for all matings in service period. Number will only increase provided different boar identities and/or semen batches are used within the same service.
	Genetic Name of the boars/semen batches used in service (estrus period)

	Mixed (if different genetics (LIM – names) for a minimum of 1 insemination in the service period)
	Pure Line – Displays genetics (LIM Name) (if same genetics (LIM –name) for all inseminations in the service period)
Farrow Interval	Days between 2 consecutive farrowing dates for a served female (Farrow to Farrow)
	Parity females <2 will be blank
	(current farrow date – previous farrow date)
Services - Matings	Services - The number of estrus periods in a cycle/parity
	(Count of the 1 st matings in a cycle/parity)
	Mating – The number of inseminations in an estrus period
	(Count of the number of inseminations in the current estrus period)
Flag	User defined – Category(s) if any recorded for cycle/parity
	Up to 5 separated by commas
Gestation Length	Days gestating for parity (farrow date – effective service date)
	In front on days gestating for each parity: [i] (Will display an “i” if at time of farrowing yes is recorded for induction next to the number of days gestating)

	In front on days gestating for each parity: [a] (Will display an "a" if at time of farrowing yes is recorded for assisted farrowing next to the number of days gestating)
	Will display both if recorded [i,a]
Born Alive	Total number born alive for cycle/
Stillborn	Total number of stillborn
Mummified	Total number of mummies
Fostered On/Off	Number of piglets fostered on/ Number of piglets fostered off
Piglet Losses	Total number of record piglet losses – birth litter
Pigs Weaned	Total number weaned (Number of piglets part weaned + complete weaned + nurse sow weaned)
	* Next to number pigs weaned if nurse sow
Substandard	Of the piglets weaned the number that are considered substandard pigs
Av. Litter Birth Wt	Average litter birth wt : (Total birth wt/Bornalive)
Av. Wean Wt.	(Total wean wt/pigs weaned)
Lactation Length	End Wean date – Farrow date
Age at Weaning	(Wean date (birth litter) – Farrow date)
Boar Used (Genetics)[Operator]	Boar ID (AI & Natural)
	(Genetics of the boar used – leave blank if null)
	[LIM – operator name for each mating]

Service Date (Wk #)	Date of 1 st mating for the cycle/ parity (Wk # of service date)
21- Day Heat Check Date	(Service Date + 21 Days)
Due to Farrow On (WK #)	Due to farrow date (Wk # of due to farrow date)
	(Service Date + Target Gestation Length)
SPI Calculation	The formula and adjustments are consistent with the guidelines of the National Swine Improvement Federation (NSIF).
	Contemporary groups assigned in the date settings of the farm
(Sow Productivity Index)	$SPI = 100 + 6.5 \times (L - L_{ave}) + (W - W_{ave})$
	Where: L is the parity adjusted live born litter size
	L_{ave} is the average live born litter size of the contemporary group
	W is the adjusted 21-day litter weight
	W_{ave} is the average adjusted 21-day litter weight of the contemporary group
The number of pigs born alive is adjusted to a mature sow equivalent by adding the parity adjustments in the table below.	Users can define in perfernces or use defaults
Parity	Pigs born alive

1	1.5
2	0.9
3	0.3
4-7	0.0
8-10	0.4
10+	1.6
BVSP Calculation	A breeding value is the value of an individual as a parent. BVSP is the value of a sow as a parent for sow productivity. It combines information from all of the litters where an SPI can be calculated.
(Breeding Value Sow Productivity)	$N \times H^2$
	$BVSP = 100 + \frac{N \times H^2}{1 + (N - 1) \times R} \times (\text{average sow index} - 100)$
	$1 + (N - 1) \times R$
	Where: N is the number of litters
	H^2 is the heritability of sow productivity (.20)
	R is the repeatability of sow productivity (.25)
	The BVSP is useful for ranking sows for selecting replacement Prospective Breeding Females, and it is a more appropriate way to make comparisons between sows with different numbers of litters than looking at average SPI.

Sow Herd Structure

# Sows in the breeding herd on end date (Av. Cycle) or (Av. Parity)	# - Integer representing the total count of active females in report
	Av. Cycle = ((sum of all females cycles)/ (Sum of all active sows))
	Av. Parity = ((sum of all females parities)/ (Sum of all active sows))
% of sows per cycle or parity or status	(Count of all active females per cycle or parity or status)/(Count of all females active on the end date)* 100
Arrival Date	Date on which the animal was arrived into the herd
Cycle	Number of reproductive cycles expressed by a service
Date of Birth	Date on which the animal was born
Date of Last Event	Date on which the last main event was recorded
Date Removed	Date on which the animal is removed from the herd
Days Since Last Main Event	Integer representing the number of days since the last event. (Reporting date – last main event date)
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Identity	Individual identity given to the animal at the time of arrival. May be either numeric or alpha numeric
Last Main Event	The name of the last main event
	Arrived
	Made Available
	Served
	Farrowed
	Nurse Sow Weaned
	Complete Weaned
	Removed

Made Available Date	Date on which a Gilt retained was made available to the herd
Parity	Number of reproductive parities expresses by farrowing
Service Date	The date of first mating during any one estrus period
Status	The current status of the females

Sow Performance League

Identity	Individual identity given to the animal at the time of arrival.
Genetics	Genetics status given to the animal at the time of arrival - LIM
Herd Category	Cohort category given to the animal at the time of arrival - LIM
Cycle	Number of reproductive cycles expressed by a service event
Parity	Number of reproductive parities expressed by farrowing event
Av. Total Born	(Sum of all of total born) / count of lifetime parities)
	Total number of piglets born (Sum of number bornalive + number stillborn + number mummified)
Av. Total Liveborn	((Sum of all of liveborn) / number of lifetime parities)
Av. Total Weaned	((Sum of all of piglets weaned) / number of lifetime parities)
Av. Farrowing Interval	((Sum of all farrow - farrow indices)/ number of parities) Must be => parity 2
Av. Liveborn per Year	(((sum of total liveborn)*365.25)/(most current farrow date – 1st lifetime cycle service date)) Round
Av. Weaned per Year	(((sum of total piglets weaned)*365.25)/(most current complete wean date – 1st lifetime cycle service date)) Round

Sows Due For Attention

# Sows Due for attention between report begin date and report end date	The count of the number of females that are due based on the event and the number of days selected in properties
Identity	Identity of female
Genetics	The genetic status of a female (LIM – Genetics)
Parity/ Cycle	Parity – The number of reproductive parities expresses by farrowing
	Cycle – The number of reproductive cycles expressed by a service
	Only one will be displayed based on the users preferences selected in settings.
Location	Current barn, room and pen of the sow if recorded
Current Status	Status Options:
	Gilt
	Not In Herd (Gilt Retained)
	In-Pig
	Aborted
	Not In-pig
	Lactating
	Dry
	Removed

Sows Due For Weaning

Identity	Identity of Sow
Genetics	The genetic status of a sow (LIM – Genetics)
Herd Category	Assigned cohort at the time of arrival (LIM – Herd Category)
Cycle/Parity	Cycle – The number of reproductive cycles expressed by a service Parity – The number of reproductive parities expresses by farrowing
	Only one will be displayed based on the users preferences selected in settings.
Genetics	The genetic status of a sow (LIM – Genetics)
Location	Current barn, room and pen of the sow if recorded based on reporting date
Farrowing Date	Date of the sows most current farrowing
Liveborn	Total Liveborn of current farrowing
Stillborn	Total Stillborn of current farrowing
Piglets Remaining	(Number born alive + foster on - piglet losses - foster off - part wean piglets)
Lifetime averages	
Av. Liveborn	Average number born alive to date for sow
Av. Stillborn	Average number born alive to date for sow
Av. Weaned	Average number born alive to date for sow
Av. Lactation Length	Average number of days lactating
Service Group	User defined service group if recorded (LIM – Service group)

Sows Due to be Served

# of sows due to be served on (service due date)(Weaned on date)	The count of sows that are due to be served on the service due date based on "N" (user defined days)
	(Wean date + "N")= service due date
	Sows grouped by wean date
	Each wean date within period will have a group provided a minimum of 1 sow weaned in period.
Identity	Identity of Sow
Genetics	The genetic status of a Sow (LIM: Genetics – Name)
Cycle/Parity	Cycle – The number of reproductive cycles expressed by a service
	Parity – The number of reproductive parities expresses by farrowing
	<i>Only one will be displayed based on the users preferences selected in settings.</i>
Location	Current barn, room and pen of the sow if recorded based on location during reporting time frame

Sows Due to Farrow

Number of Sows due to Farrow in the next 17 weeks (number of sows overdue, assuming a gestation length of number days)	Number of sows due to Farrow is the count of active sows that have been served and are presumed pregnant
	* Users may include into the count additional sows that have been served but have negative events associated with their last service event.
	The # Overdue sows is the count of sows that have not farrowed as of the reporting date and their service date is greater than the user defined gestating days
	Due to Farrow = (reporting date – current service date)
Targeted number of sows due to farrow, projected farrowing index is #	Target # of Sows due for the 17 weeks
	$((\text{Target Services/Week}) * (\text{Farrowing Rate}/100)) * 17$
	Projected farrowing index $((\text{Count of total services in 17 week period}) / 17) * (365.25/7) / \text{Target herd size}$
	Est. Fw Date (Current Service date + user defined gestating days)
# Sows (# Sows included with a negative events) Overdue	If the sow has not yet farrowed by the est. due date, then this row signifies the fact by display the sows information
# Sows (# Sows included with a negative events) Week	Each week included in the report will have group representing the sows information with a summary of the grouping.
Sow ID	The identity of the sow
Genetics	Genetics of sow if recorded
	LIM: Genetics - Name
Cycle/Parity	Parity – The number of reproductive parities expresses by farrowing

	Cycle – The number of reproductive cycles expressed by a service
	Only one will be displayed based on the users preferences selected in settings.
Due Date	This column displays the predicted due date of the animal which is equal to the service date plus n days where n is the number of days after service that the sow will be due
	N = user defined gestating days
Service Number	The number of services a sow has had for the current breeding cycle
PD Codes	Displays the code associated with any pregnancy diagnoses
	· Positive (+)
	· Negative (-)
	· Not In Pig (O)
	· Abortion (A)
	· Heat Observed (H)
Group/Week #of service	Group/Week # associated with the last service date
	current group/week# id is auto generated based on user default calendar (Settings)
Location Name	Current barn, room and pen of the sow if recorded.

Subsequent Litter Performance

# of first parity sows farrowing between begin date and end date	Count of all sows the farrowed within the period length
First Litter	Displays the integer for the born performance in the first litter based on the report type and the dataset.
	To display there must be a minimum of one observation
Total Litters	Number of litters that farrowed in their first litter based on the number born and type of report
Litter Information	Litters are broken out individually 2 –13 and litters greater than 13 are combined
All Subsequent Litters	Provides the average of all subsequent litters for the report type and the total number of litters based on the first litter performance (sum of all report type attributes for all subsequent litters/ cumulative total of litters > 1 litter)
Highlighted Attributes	litter performance attributes will be highlighted based on the user defined properties % selected
	Green = Above "X" percent
	Red = Below "X" percent
Average Total Born	(Sum of all total born piglets in litter/ number of litters)
Average Live Born	(Sum of all liveborn piglets in litter/ number of litters)
Average Stillborn	(Sum of all stillborn piglets in litter/ number of litters)
Litter Number	The number of litters that had a subsequent farrowing of the 1 st litters number born type

Sows Not Weaned by

# sows not weaned by "N" days	The count of sows that are not weaned by the user defined days based on the end date
	List all farrowed sows that have not been weaned based on the number of user define days.
Blank	Use NS to identify females that are nurse sows that are included in the list
Identity	Identity of Sow
Genetics	The genetic status of a sow - (LIM – Genetics)
Herd Category	Assigned cohort at the time of arrival - (LIM – Herd Category)
Parity/ Cycle	Parity – The number of reproductive parities expresses by farrowing
	Cycle – The number of reproductive cycles expressed by a service
	Only one will be displayed based on the users preferences selected in settings
Sows Not Served by	
# sows not served by "N" days	The count of sows that are not served by the user defined days based on the end date
	List all complete weaned sows that have not been bred since their wean date
Identity	Identity of Sow
Genetics	The genetic status of a sow - (LIM – Genetics)
Herd Category	Assigned cohort at the time of arrival - (LIM – Herd Category)
Parity/ Cycle	Parity – The number of reproductive parities expresses by farrowing
	Cycle – The number of reproductive cycles expressed by a service
	Only one will be displayed based on the users preferences selected in settings.