

Extracting Meaningful Data out of SAC-LRP Cattle - Advanced



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We have already looked at the information that can be extracted from SAC-LRP using Statutory data.

Additional information can be added for example adding in information from the regular use of weigh scales, inputting of service, scanning records, feed and medicines.

The program allows very comprehensive information to be kept. As with all packages, the more accurate the information that is put in, the more meaningful is the information that can be extracted.

This short publication shows the location of reports that can provide some meaningful information to make your business more efficient.

What extra information can we get out of the enhanced Records?

Calving Animal Details - Calf born Alive/Dead

So what else can be easily added when entering a calf.

In addition to the Statutory information. There are several fields that can be used to collect valuable information.

There is the option to add a weight record. It is worth doing even if it is a generic weight or a guesstimate (obviously an accurate weight is best). We can then get an accurate liveweight gain for individuals out of the program.

Calving difficulty has a drop down list and an option can be picked from that.

If a calf is lost (still born or dead) then many don't record these so the death/ loss is hidden and the true extent of calf losses is missing. By just selecting an option allows that data to be captured.

For more information on Records and Business Efficiency go to www.fas.scot



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Calving Scores

These can be entered on the calving screen and a number 1—9 assigned to each one (worst to best). There is mothering ability, milk score, vigour at birth and ease of birth.

Calving Scores	
Dam	
Mothering ability <input type="checkbox"/>	Milk at birth <input type="checkbox"/>
Calf	
Vigour at Birth <input type="checkbox"/>	Ease of birth <input type="checkbox"/>

Reports – Cattle - Calving Scores can be run to show the performance of the dam and calf.

Dam Tag	Milk Score	Mothering Ability Score	Date Of Birth	Calf Tag	Breed	Ease Of Birth Score	Vigour At Birth Score	Sire Tag
UK541391 302229	9	1	25/11/2020	calf lost	Charolais X			Unknown
UK581887 201684	7	5	25/11/2020	UK542872 100660	Charolais X	3	8	Unknown
Total number of dams		2	Total number of live calves				2	
Total number of sires		1	Total number of dead calves				0	

Service Report – Service

Initially the service has to be entered as Animal Records – Calving – Put to Bull/ AI – entering the service date cows and bulls.

The report can be easily sorted by Dam or Sire giving estimated calving date.

Sire Tag Number	Mgt Tag	Service Date	Est Calving	Dam Tag Number	Dam Mgt Tag
UK564603 100057	AM 0057	22/07/2019	22/04/2020	UK524232 500421	BL421
UK564603 100057	AM 0057	22/07/2019	22/04/2020	UK524234 400298	J1298
UK527128 400290	GA290	01/07/2019	01/04/2020	UK524232 200271	BL271
UK527128 400290	GA290	01/07/2019	01/04/2020	UK524232 300398	BL398

Projected Calving based on service Reports – Cattle – Projected Calving Based on Service.

The report shows the projected calving date based on service dates entered.

Dam's Tag Number	Dam's Breed	Dam's Management Tag	Estimated Calving Date	Sire's Tag Number	Sire's Breed	Sire's Management Tag
UK524232 300398	British Blue X	BL398	01/04/2020	UK527128 400290	Blonde d'Aquitaine	GA290
UK524232 200271	Belgian Blue X	BL271	01/04/2020	UK527128 400290	Blonde d'Aquitaine	GA290
UK524234 400298	Simmental X	J1298	22/04/2020	UK564603 100057	Blonde d'Aquitaine	AM0057

Confirming in Calf (PD) Information entered into Animal Records – Calving – Confirmed in/out of Calf.

Number of progeny in utero	<input type="text" value="1"/>	Check this box only for animals that you wish to record as confirmed NOT pregnant. They will then be recorded as barren and their estimated birthing dates will be removed. <input type="checkbox"/>
Number of weeks into pregnancy	<input type="text" value="28"/>	
Service date for the selected animal: 01/07/2019		

Enter the date of scanning, number of calves or not pregnant, plus number of weeks pregnant and it will alter the calving date (if barren, it will flag the animal in to Barren Cows Report).

Scanning Results (PD) Reports – Cattle - Projected Calving Based on Scanning.

Number of calves expected can be selected.

Dam	Management Tag	Date of Birth	Breed	Scan Date	Expected Calving Date
UK524232	200271 BL271	21/04/2007	Belgian Blue X	15/01/2020	27/03/2020
UK524232	300398 BL398	29/04/2010	British Blue X	15/01/2020	Barren
UK524234	400298 J1298	02/04/2014	Simmental X	15/01/2020	01/05/2020
Total dams:		3			

Barren Cows Reports – Cattle – Barren Cows.

This report is only populated by animals being marked Not in calf at Scanning. **Target < 5%**.

Tag Number	Breed	Sex	Mgt. Tag	Age
UK524232 300398	British Blue X	Cow	BL398	127m
Total animals: 1				

Scanning Reconciliation Reports – Cattle – Scanning and Birth Reconciliation.

A summary of scanning and births.

Dam	Management Tag	Date of Birth	Breed	Date	Event	Details
UK524232	200271	BL271	21/04/2007 Belgian Blue X	15/01/2020	Scan	1 expected on 27/03/2020
UK524232	300398	BL398	29/04/2010 British Blue X	31/03/2020	Birth	UK524252 501000, Heifer
UK524232	300398	BL398	29/04/2010 British Blue X	15/01/2020	Scan	Barren
UK524234	400298	JI298	02/04/2014 Simmental X	15/01/2020	Scan	1 expected on 01/05/2020
				04/05/2020	Birth	UK524252 701002, Steer

Weighing Stock Reports – Weights – All Stock.

The report can be filtered by various metrics.

Date Range	Age Range	Weight Range	Condition Score	Grouping	Weights to display
Start Date: <input type="text"/>	Minimum age: <input type="text"/> Months	Min: <input type="text"/> Kg	Min: <input type="text"/>	<input checked="" type="radio"/> None <input type="radio"/> By Sire <input type="radio"/> By Dam <input type="radio"/> Source	<input checked="" type="radio"/> All weights <input type="radio"/> Birth weights <input type="radio"/> 8 week weights <input type="radio"/> Wean weights <input type="radio"/> 20 week weights <input type="radio"/> Most recent weights
End Date: <input type="text"/>	Maximum age: <input type="text"/> Months	Max: <input type="text"/> Kg	Max: <input type="text"/>	<input type="checkbox"/> Normally the Age Range applies to the age of an animal now (or when it left your herd). <input type="checkbox"/> Check this box if you want it to apply to the age of the animal when weighed instead.	

Tag Number	Management Tag	Breed	Date	Age at Weighing	Weight	Grade	Condition
UK542872	601526	Aberdeen Angus	01/11/2019	6m	225.00		
UK542872	701527	Charolais X	01/11/2019	6m	230.00		
UK542872	101528	Charolais X	01/11/2019	6m	220.00		

Weaning Reports – Weaning .

Individual weaning weights can be entered through Animal Records – Weaning.

Once entered a report can be extracted showing DoB & Wean Weight and Dams can be grouped

Tag Number	Mgt Tag	Calf's DoB	Weaned Date	Wean Weight	Sire Tag	Foster Dam	Dam Tag	Dam Mgt Tag
UK542872	601526	09/04/2019	01/11/2019	225.00			UK541840	500910215
UK542872	701527	10/04/2019	01/11/2019	230.00			UK541410	600744E11
UK542872	101528	10/04/2019	01/11/2019	220.00			UK541410	600667P5

Dam/ Progeny Weights Reports – Dam/Progeny Weaning Weights

This report provided a relevant Dam weight has been entered at weaning works out the Progeny to Dam weight ratio at weaning. The report can be ranked by various factors.

Dam: UK541840 500910		Management Tag: 215		Age: 49m	
Progeny's Tag	DoB	Weaned Date	Progeny's Weight	Status	
UK542872 601526	09/04/2019	01/11/2019	225.00	Sold on 08/01/2020	
Progeny to Dam weight ratio: 45%		Dam's weight for this litter: 500.0		Total: 225.00	
Dam: UK541410 600667		Management Tag: P5		Age: 154m	
Progeny's Tag	DoB	Weaned Date	Progeny's Weight	Status	
UK542872 101528	10/04/2019	01/11/2019	220.00	Sold on 04/03/2020	
Progeny to Dam weight ratio: 38%		Dam's weight for this litter: 580.0		Total: 220.00	
Dam: UK542903 301515		Management Tag: E16		Age: 79m	
Progeny's Tag	DoB	Weaned Date	Progeny's Weight	Status	
UK542872 201529	11/04/2019	01/11/2019	235.00	Sold on 08/01/2020	
Progeny to Dam weight ratio: 38%		Dam's weight for this litter: 620.0		Total: 235.00	

This gives a measure of Dam efficiency – **the target is 50%**

Feeds

Feed can be entered, allocated and fed to the individual animals.

Purchase the feed through Farm Records – Feeds – Define and Purchase Feeds, then feed out the animals through Animal Records – Feed Animals – Feed Animals

Feeds on Farm Reports – Feed List

A list of feeds on the farm that can be fed

Feed/Ration Mix	Supplier	Amount Kg	Batch	Order Date	Delivery/ Mix Date	Use by Date	Notes
16% Cake (85% Dry Matter)	Harbro	10,000	23	01/12/2019	05/12/2019	04/03/2020	

Feeds Eaten Reports - Feeds Eaten

This is a record of the amount and cost of feed on an individual basis by default.

Feed Name	Batch	Supplier	Total Kgs	Period	Comment	Cost
Eartag: UK541358 400344 16% Cake (85% Dry Matter)	23	Management Tag:S12 Harbro	106.00	10/12/2019 - 31/01/2020		£26.50
			106.00		Total	£26.50
Eartag: UK541358 500569 16% Cake (85% Dry Matter)	23	Management Tag:S6 Harbro	106.00	10/12/2019 - 31/01/2020		£26.50
			106.00		Total	£26.50
Eartag: UK541358 700585 16% Cake (85% Dry Matter)	23	Management Tag:S9 Harbro	106.00	10/12/2019 - 31/01/2020		£26.50
			106.00		Total	£26.50
Grand Total						£79.50

A summary can be produced by individual feed or feeds.

Feed Name	Batch	Supplier	Total Kgs	Cost
16% Cake (85% Dry Matter)	23	Harbro	7,738.00	£1,934.50
Grand Total			£1,934.50	

Veterinary Reports – Veterinary

This reports can be run to see treatments given to specific animal, management groups or the whole herd. It can be filtered by treatment or individual medicine or treatment reason. A full report can be given which gives individual animal treatments, cost and summary medicine use. A very powerful tool.

A summary report can also be given.

Tag Number	Treatment Administered	Dosage Unit	Batch Number	Expiry Date	Treatment Start	Treatment End	Withdrawal Date Meat	Withdrawal Date Milk	Given By	Supplier	Treatment Reason	Cost
UK541410 500715	Bovilis BVD Suspension for Injection for Cattle (Management tag: A15)	2.00 Millilitres	A109A02	31/03/2016	30/12/2015	30/12/2015		30/12/2015	C Ritchie	J & M Jackson	BVD	£2.40
	Endofluke 100 mg/ml Oral Suspension	76.00 Millilitres	YSA031A	31/10/2016	16/05/2016	16/05/2016	11/07/2016	02/07/2016	C Ritchie	ACT	Fluke	£0.00
UK541410 500715	(Management tag: A15) Noromectin 0.5% w/v Pour-On Solution	70.00 Millilitres	509333A	25/02/2017	16/05/2016	16/05/2016	13/06/2016		C Ritchie	ACT	Worming	£0.00
Total treatments for this animal:		21	Total cost for this animal:		£111.57							

No. of treatments: 295
Total medicines: 33
Total animals: 40
Total cost: £ 833.17

Tag Number	Treatment Administered	Dosage Unit	Batch Number	Expiry Date	Treatment Start	Treatment End	Withdrawal Date Meat	Withdrawal Date Milk	Given By	Supplier	Treatment Reason	Cost
Summary of medicines used												
Alamylin LA 200 mg/ml Solution for Injection							150.00	Millilitres				
Betamox LA 150 mg/ml Suspension for Injection							100.00	Millilitres				
Bimotrim Co Injection Solution for Injection							30.00	Millilitres				
Bimoxyl LA 150 mg/ml, Amoxicillin Suspension for Injection							200.00	Millilitres				
Bovilis BVD Suspension for Injection for Cattle							140.00	Millilitres				
Buscopan Compositum Solution for Injection							24.00	Millilitres				
Closamectin Pour On							312.00	Millilitres				

Treatment End Dates	Withdrawal Dates (and Days)		Dosage	Treatments
	Meat	Milk		
30/12/2015	30/12/2015 (0)	30/12/2015 (0)	62 Millilitres	31 animals treated for bvd with Bovilis BVD Suspension for Injection for Cattle
06/01/2016	16/01/2016 (10)	09/01/2016 (3)	30 Millilitres	1 animal treated for pneumonia with Bimotrim Co Injection Solution for Injection

Medicine Withdrawal Reports – Withdrawal

This report will show on a particular date what animals are still in a withdrawal period.

Tag Number	Mgt. Tag	Sex	Age	Medicine Used	Withdrawal Date for Meat
UK541391	302229	473	Cow	124m Endofluke 100 mg/ml Oral Suspension	11/07/2016
UK541410	200614	9B	Cow	170m Endofluke 100 mg/ml Oral Suspension	11/07/2016
UK541410	100669	E5	Cow	154m Endofluke 100 mg/ml Oral	11/07/2016

Margin

Closing Report Reports - Closing

Useful can be filtered but can show a margin per animal against sale, purchase, med, fed and other costs. Actual costs from the records can be used or costs can be entered separately.

The report can show individuals or grouped by Sire/ Dam or by selections below the grid.

Tag Number	Management Tag	Source	Net purchase price	Total medicine cost	Total feed cost	Other costs	Days on farm	Daily live weight gain	Net sale/ slaughter price	Profit/ (loss)	Daily Profit/ (loss)
Totals (averages for days on farm, DLWG & profit/day)				£30.00	£264.00	£60.00	311	1.18	£2,595.00	£2241.00	£2.4045
Dam tag: UK541410 600674											
UK542872	101346	Farm born	£10.00	£88.00	£20.00	250			£790.00	£672.00	£2.6880
UK542872	101549	Farm born	£10.00	£88.00	£20.00	304	1.20		£930.00	£812.00	£2.6711
UK542872	201445	Farm born	£10.00	£88.00	£20.00	447	0.86		£950.00	£832.00	£1.8613
UK542872	301250	Farm born	£10.00	£88.00	£20.00	236	1.19		£760.00	£642.00	£2.7203
Totals (averages for days on farm, DLWG & profit/day)			£40.00	£352.00	£80.00	309	1.09		£3,430.00	£2958.00	£2.3913

Dam Productivity Reports – Dam/ Sire Productivity

Select Female

Gender

- Female
 Male

No. of calves born/ born year	Avg. Calves weaned	Fostered On Off	Sold and/or Slaughtered				Retained calves		All sold/slaughtered/retained			Daily live weight gain of calves			Number of calves that died			
			No.	Total Sale/ Slaughter Price (net)	Avg. Sale/ Slaughter Price (net)	Avg. days on farm	No.	Total value of calves retained	No.	Total value	Avg. value	Birth to weaning	Weaning to sale/slaughter/retention	Birth to sale/slaughter/retention	Before tagging	Tagging to weaning	After weaning	Total
Tag: UK541410 200614																		
10	0.82	10	0	0	Breed: Simmental X				DoB: 05/09/2006			Management Tag: 9B						
					10	£9,815.00	£981.50	299	0	10	£9,815.00	£981.50	1.33	0	0	0	0	
Tag: UK541410 300685																		
9	0.81	9	0	0	Breed: Limousin X				DoB: 14/05/2008			Management Tag: G4						
					8	£7,270.00	£908.75	245	1	£100.00	9	£7,370.00	£818.89	1.24	0	0	0	0
Tag: UK541410 100683																		
9	0.81	8	0	0	Breed: Limousin X				DoB: 26/04/2008			Management Tag: G11						
					8	£7,750.00	£968.75	300	0	8	£7,750.00	£968.75	1.48	0	1	0	1	
Tag: UK563946 600281																		
					Breed: Limousin X				DoB: 20/01/2008			Management Tag: G2						

This report also gives calf losses at various stages of production—a useful metric.

Sire Productivity Reports – Dam/ Sire Productivity

An identical report to the above based on Sire.

Select Male

Gender

- Female
 Male

No. of calves born/ born year	Avg. Calves weaned	Sold and/or Slaughtered	Retained calves	All sold/slaughtered/retained			Daily live weight gain of calves			Number of calves that died						
				No.	Total Sale/ Slaughter Price (net)	Avg. Sale/ Slaughter Price (net)	Avg. days on farm	No.	Total value of calves retained	No.	Total value	Avg. value	Birth to weaning	Weaning to sale/slaughter/retention	Birth to sale/slaughter/retention	Before tagging
Tag: UK564603 100057																
67	14.07	Breed: Blonde d'Aquitaine				DoB: 22/03/2014			Management Tag: AM0057							
		36	23	£29,967.30	£832.42	363	23	£2,300.00	59	£32,267.30	£546.90	0.84	3	5	0	8
Totals and averages																
67		36	23	£29,967.30	£832.42	363	23	£2,300.00	59	£32,267.30	£546.90	0.84	3	5	0	8

Animal Activities Reports – Animal Activities

Gives a list of events selected from the grid between specific dates or everything can be selected.

Tick the events you want reported

<input type="checkbox"/> Births	<input type="checkbox"/> Missing and found	<input type="checkbox"/> Sent to Market (including Sold/Slaughtered at Market)	<input type="checkbox"/> Services
<input type="checkbox"/> Purchases	<input type="checkbox"/> Sent to Grasskeep	<input type="checkbox"/> Returned from Market	<input type="checkbox"/> Scanning
<input type="checkbox"/> Sales	<input type="checkbox"/> Returned from Grasskeep	<input type="checkbox"/> Abattoirs and Slaughter	<input type="checkbox"/> <u>Treatments</u>
<input type="checkbox"/> Deaths	<input type="checkbox"/> Gender changes		<input type="checkbox"/> Weighing

Untick this to turn off all events. Tick it to turn them all on.

Date	Running Totals					Details
	All Animals	Heifers	Cows	Steers	Bulls	
15/04/2016	267	114	94	55	4	1 Heifer became a Cow on 15/04/2016
16/04/2016	270	115	94	57	4	1 Heifer and 2 Steers born between 15/04/2016 and 16/04/2016
18/04/2016	270	114	95	57	4	1 Heifer became a Cow on 18/04/2016

Cattle Details Reports - Animal Details

This report gives a comprehensive breakdown of details for an individual animals depending on the options selected.

Select the details to be shown for each animal

Purchase Details <input checked="" type="checkbox"/>	Services <input checked="" type="checkbox"/>	Latest first <input type="radio"/>	Comments <input checked="" type="checkbox"/>	Latest first <input type="radio"/>	Identifications <input checked="" type="checkbox"/>
Sale details <input checked="" type="checkbox"/>	Calving details <input checked="" type="checkbox"/>	Oldest first <input type="radio"/>	EBVs <input checked="" type="checkbox"/>	Latest first <input type="radio"/>	
Slaughter details <input checked="" type="checkbox"/>	Weights <input checked="" type="checkbox"/>	Latest first <input type="radio"/>	Treatments <input checked="" type="checkbox"/>	Latest first <input type="radio"/>	

The report below can be filtered to all animals, current animals, individual or grid filters.

Tag Number	Mgt. Tag	Breed	Sex	Date of Birth/Death	Name	Pedigree Number	Dam	Sire	Days on Farm	Age	
UK541410_300685	G4	Limousin X	Cow	14/05/2008			UKDU0046 00215	Unknown	4069	150m	
Identification details											
Database Id EID		BCMS		Management Tag		Name		Breed Society Number			
995 None		UK541410300685		G4							
Purchase Details											
Purchase Date		Purchased From		Purchase Price		Purchase Costs		Net Purchase Price		Blood Test Date	
14/10/2009		Mr Colquhoun		£750.00		£0.00		£750.00			
Treatment Details											
Medicine			Start Date		End Date		Dosage		Batch		Ailment
Endofluke 100 mg/ml Oral Suspension			16/05/2016		16/05/2016		76.00 Millilitres		YSA 031A		Fluke
Noromectin 0.5% w/v Pour-On Solution			16/05/2016		16/05/2016		70.00 Millilitres		5093 33A		Worming
Bovilis BVD Suspension for Injection for Cattle			30/12/2015		30/12/2015		2.00 Millilitres		A107B04		BVD
Fasinex 240, 24% w/v Oral Suspension for Cattle			05/11/2014		05/11/2014		25.00 Millilitres		P854013		Fluke
Bovilis BVD Suspension for Injection for Cattle			25/10/2013		25/06/2014		2.00 Millilitres		A083A01		BVD
Rotavec Corona Emulsion for Injection for Cattle			12/04/2013		12/04/2013		2.00 Millilitres		B810C5A		Vaccination
Supremadex Solution for Injection			15/11/2012		15/11/2012		11.00 Millilitres		2050		Fluke
Premadex Pour-on Solution for Cattle 5 mg/ml			17/10/2012		17/10/2012		60.00 Millilitres		3GM0		Wormer
Fasinex 240, 24% w/v Oral Suspension for Cattle			17/10/2012		17/10/2012		28.00 Millilitres		P745036		Fluke
Bovilis BVD Suspension for Injection for Cattle			12/10/2012		12/10/2012		2.00 Millilitres		A059A01		BVD
Spot On			07/08/2012		07/08/2012		10.00 Millilitres		003076		Ticks
Spot On			28/06/2012		28/06/2012		10.00 Millilitres		003076		Ticks
Trivacton 6			20/02/2011		20/02/2011		5.00 Millilitres		L364494		Scour
Closamectin Pour On			22/12/2010		22/12/2010		52.00 Millilitres		BN0311/30		Wormer
Calving											
Date		Litter Size	Born Alive	Born Dead	Progeny						
15/11/2019		1	1	0	UK542872 201599						
22/09/2018		1	1	0	UK542872 501511						
01/10/2017		1	1	0	UK542872 501434						
29/10/2016		1	1	0	UK542872 301355						
03/10/2015		1	1	0	UK542872 301264						
18/04/2014		1	1	0	UK542872 101122						
11/04/2013		1	1	0	UK542872 101045						
16/04/2012		1	1	0	UK542872 600973						
16/05/2011		1	1	0	UK542872 700897						

Benchmarking

Benchmarking is a very powerful tool where the results of your business can be compared to a range of data from other similar businesses

Information can be found at:

- www.fas.scot
- www.qmscotland.co.uk.
- <https://ahdb.org.uk/tools>

Extracting information from Records is rewarding and time well spent. It gives a great insight into the efficiency of the business, where problems lie and where performance needs to be improved.

SMART targets (Specific, Measurable, Achievable, Realistic and Timebound) can be set and monitored. Thus helping improve business profitability and sustainability year on year