

# Olds College Steer-A-Year Project

*1983/84 to 1996/97*

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## Presentation Outline

Background Olds Steer-A-Year Project  
Summary of Breeds Involved & Number of Years Involved  
ADG of Galloways and Other Breeds  
lbs. of Feed per lbs. of Gain, Galloways & Other Breeds  
Costs per Pound of Gain, Galloways & Other Breeds  
Days on Feed, Galloways & Other Breeds  
Slaughter Weight, Galloways & Other Breeds  
Carcass Weight, Galloways & Other Breeds  
Summary

## Background

Project started in 1983/84  
Provides students with "hands on" experience in "Livestock Production."  
5 Galloway Steers donated by the Alberta Galloway Association in 1983  
Started with 3 breeds:  
    5 Galloway steers  
    5 Charolais heifers  
    10 Angus/Hereford cross steers  
5 steers per breed penned separately  
Each pen fed separately, except 1992/93  
Animal slaughtered when ready/finished, all years but 1988/89, 1989/90  
Finishing ration, 80% grain/concentrate and 20% cereal silage

14 years, 18 breeds, 131 breed years, 651 animals  
(9 death losses, .014%)

### Breeds Involved (# of years)

Galloway	14	Gelbvieh	7
Blonde D'Aquitane	13	Piedmontese	7
Salers	13	South Devon	5
Simmental	13	Hereford	3**
Pinzgauer	12	Black Angus	2**
Charolais	11*	Belgian Blue	1
Limousin	9	Holstein	1
Maine Anjou	8	Murray Grey	1
Shorthorn	8	Longhorn	1
<i>*5 Charolais/Herefords 1983/84</i>		<i>**Hereford/Angus St's 1983/84</i>	

### Average Daily Gain (lbs/day)

Galloways, highest gaining breed, first year, 1983/84	3.71 lbs/day
Galloways, highest gaining breed, last year, 1996/97	3.77 lbs/day
Galloways outgained Blonde D'Aquitane	9 out of 13 years
Galloways outgained Charolais	7 out of 11 years
Galloways outgained Limousin	5 out of 9 years
Galloways outgained Piedmontese	6 out of 7 years

Galloways outgained Salers	8 out of 13 years
Galloways outgained Simmental	7 out of 13 years
Galloways, ADG 3.08, average of 14 years	4 out of 11 breeds

### Average Daily Gain (lbs/day)

Maine Anjou	3.18	8	Angus/Hereford	3.44	1
Charolais	3.14	11	Angus	3.20	2
Gelbvieh	3.10	7	Belgian Blue	3.23	1
Galloway	3.08	14	Murray Grey	3.23	1
Pinzgauer	3.02	12	South Devon	3.21	5
Simmental	3.00	13	Hereford	2.77	3
Limousin	2.96	9	Char/Hereford	2.56	1
Salers	2.94	13	Holstein	2.55	1
Shorthorn	2.91	8	Longhorn	2.16	1
Blonde D'Aquitane	2.90	13			
Piedmontese	2.77	7	Average (20)	3.01	

### Pounds of feed/pound of gain

Blonde D'Aquitane	6.19	10	Piedmontese	6.26	6
Galloway	6.23	10	Angus	6.34	2
Charolais	6.30	8	Murray Grey	6.37	1
Salers	6.44	10	Gelbvieh	6.39	6
Limousin	6.45	7	South Devon	6.93	4
Pinzgauer	6.55	10	Belgian Blue	6.93	1
Maine Anjou	6.55	7	Hereford	7.11	2

Shorthorn	6.85	8	Longhorn	7.20	1
Simmental	6.98	10	Holstein	8.60	1
			Average (18)	6.70	

Cost/pound of gain  
cdn. \$/lb (years)

Galloway	.329	10	Hereford	.221	1
Saler	.334	10	Limousin	.277	7*
Pinzgauer	.340	10	Gelbvieh	.323	6*
Blonde D'Aquitane	.345	10	Maine Anjou	.358	7
Charolais	.365	8	Piedmontese	.377	6
Simmental	.382	10	South Devon	.435	4
Shorthorn	.396	8	Murray Grey	.510	1
Average (16)	.388		Angus	.550	2
*Not in hi cost years			Belgian Blue	.670	1

Days on Feed  
(November to May)

Galloway	139.8	11	Longhorn	131.0	1
Simmental	150.0	11	Murray Grey	138.8	1
Blonde D'Aquitane	151.1	11	Hereford	141.0	3
Charolais	152.7	9	South Devon	142.4	5
Pinzgauer	153.8	9	Belgian Blue	143.8	1
Saler	154.3	11	Angus	144.7	2
Maine	158.6	7	Shorthorn	150.7	6
Limousin	161.2	8	Gelbvieh	163.1	6

Piedmontese	168.0	7	Holstein	172.0	1
			Average (18 breeds)	150.1	

### Slaughter Weight (lbs)

Galloway	1112	10	Longhorn	851	1
Shorthorn	1136	8	Murray Grey	1011	1
Piedmontese	1165	7	Hereford	1118	1
Limousin	1192	7	Angus	1132	2
Pinzgauer	1198	10	South Devon	1201	5
Blonde D'Aquitane	1209	10	Holstein	1215	1
Maine Anjou	1223	8	Belgian Blue	1222	1
Charolais	1228	8			
Simmental	1245	10			
Gelbvieh	1249	7	Average (18 breeds)	11260	

### Carcass Weight (lbs)

Galloway	607.7	13	Longhorn	448.6	1
Shorthorn	619.0	8	Angus/Hereford	535.0	1
Pinzgauer	650.4	7	Murray Grey	542.7	1
Saler	666.2	12	Charolais/Hereford	569.2	1
Piedmontese	669.3	7	Hereford	584.5	2
Charolais	677.7	12	Angus	616.1	2
Simmental	684.2	12	Holstein	646.6	1
Maine Anjou	686.6	8	South Devon	669.6	5
Blonde D'Aquitane	693.4	12	Belgian Blue	701.1	1

Gelbvieh	701.2	7			
Limousin	708.0	7	Average (20 breeds)	633.9	

## Summary

Average daily gain	Galloway 3.08	ranked 4 of 11 breeds
Feed per pound of gain	Galloway 6.23	ranked 2 of 9 breeds
Cost per pound of gain	Galloway .329	ranked 1 of 7 breeds
Days on feed	Galloway 139.7 days	ranked 1 of 8 breeds
Slaughter weight	Galloway 1112 lbs.	ranked 1 of 11 breeds
Carcass weight	Galloway 607.7 lbs.	ranked 1 of 11 breeds
Galloways for a maternal breed are competing well with the feedlot breeds.		

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*Presentation at International Galloway Congress  
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