

BOS TAURUS CATTLE DSE TABLES

Dry Sheep Equivalent (DSE) Ratings represent energy demand relative to the standard DSE animal (45kg Wether with zero liveweight gain)

Growing Animals (any period)

Steers and Dry Empty Females

		Average Daily Gain (kg/hd/day)					
		0	0.2	0.4	0.6	0.8	1.0
Average Liveweight	150	3.9	4.8	5.7	6.7	7.7	8.7
	200	4.4	5.5	6.6	7.7	8.9	10.1
	250	5.2	6.5	7.8	9.1	10.5	11.8
	300	6.0	7.5	9.0	10.5	12.0	13.5
	350	6.8	8.4	10.0	11.7	13.3	15.0
	400	7.6	9.3	11.0	12.7	14.5	16.2
	450	8.4	10.1	11.9	13.7	15.5	17.3
	500	9.1	10.9	12.7	14.6	16.4	18.2
	550	9.8	11.6	13.5	15.3	17.2	19.0
	600	10.5	12.3	14.2	16.0	17.9	19.7
for bulls add		11%	7%	5%	3%	1%	0%

Breeding Females (annualised mob average)

Includes calf to weaning, assumes 12mth calving interval and zero LWG

		Weaning %						
		60%	65%	70%	75%	80%	85%	90%
Average Liveweight	350	10.2	10.5	10.8	11.2	11.5	11.8	12.1
	375	10.6	10.9	11.2	11.6	11.9	12.2	12.5
	400	11.0	11.3	11.6	12.0	12.3	12.6	12.9
	425	11.4	11.7	12.0	12.4	12.7	13.0	13.3
	450	11.8	12.1	12.4	12.7	13.1	13.4	13.7
	475	12.2	12.5	12.8	13.1	13.5	13.8	14.1
	500	12.6	12.9	13.2	13.5	13.9	14.2	14.5
	525	13.0	13.3	13.6	13.9	14.3	14.6	14.9
	550	13.4	13.7	14.0	14.3	14.7	15.0	15.3
	575	13.8	14.1	14.4	14.8	15.1	15.4	15.7
600	14.2	14.5	14.8	15.2	15.5	15.8	16.1	

Breeding Females (monthly individual average)

Includes calf to weaning, assumes 12mth calving interval and zero LWG

		Months from birth												Annual Average
		-5	-4	-3	-2	-1	+1	+2	+3	+4	+5	+6	+7	
Average Liveweight	350	6.8	7.1	7.6	8.5	10.2	16.9	17.8	18.1	18.1	17.7	17.0	6.6	12.6
	375	7.2	7.5	8.0	8.9	10.6	17.3	18.2	18.5	18.5	18.1	17.4	7.0	13.0
	400	7.6	7.9	8.4	9.3	10.9	17.7	18.6	18.9	18.9	18.5	17.8	7.4	13.4
	425	8.0	8.3	8.8	9.7	11.3	18.1	19.0	19.3	19.3	18.9	18.2	7.8	13.8
	450	8.4	8.7	9.2	10.1	11.7	18.5	19.4	19.7	19.7	19.3	18.6	8.2	14.2
	475	8.8	9.1	9.6	10.5	12.1	18.9	19.8	20.1	20.1	19.7	19.0	8.6	14.6
	500	9.2	9.5	10.0	10.9	12.5	19.3	20.2	20.5	20.5	20.1	19.4	9.0	15.0
	525	9.6	9.9	10.4	11.3	12.9	19.7	20.6	20.9	20.9	20.5	19.8	9.4	15.4
	550	10.0	10.3	10.8	11.7	13.3	20.1	21.0	21.3	21.3	20.9	20.2	9.8	15.8
	575	10.4	10.7	11.2	12.1	13.7	20.5	21.4	21.7	21.7	21.3	20.6	10.2	16.2
600	10.8	11.1	11.6	12.5	14.1	20.9	21.8	22.1	22.1	21.7	21.0	10.6	16.6	
		2nd trimester			3rd trimester			Lactating			1st trimester		2nd trim	

CROSSBRED CATTLE DSE TABLES

Dry Sheep Equivalent (DSE) Ratings represent energy demand relative to the standard DSE animal (45kg Wether with zero liveweight gain)

Growing Animals (any period)

Steers and Dry Empty Females

		Average Daily Gain (kg/hd/day)					
		0	0.2	0.4	0.6	0.8	1.0
Average Liveweight	150	3.6	4.4	5.3	6.2	7.2	8.2
	200	4.1	5.1	6.2	7.2	8.3	9.5
	250	4.9	6.1	7.3	8.5	9.8	11.1
	300	5.7	7.0	8.4	9.8	11.2	12.7
	350	6.4	7.9	9.4	11.0	12.5	14.1
	400	7.1	8.8	10.4	12.1	13.7	15.4
	450	7.8	9.6	11.3	13.0	14.8	16.5
	500	8.5	10.3	12.1	13.8	15.6	17.4
	550	9.1	10.9	12.8	14.6	16.4	18.3
	600	9.7	11.6	13.4	15.3	17.2	19.0
for bulls add		11%	7%	5%	3%	1%	0%

Breeding Females (annualised mob average)

Includes calf to weaning, assumes 12mth calving interval and zero LWG

		Weaning %						
		60%	65%	70%	75%	80%	85%	90%
Average Liveweight	350	9.3	9.5	9.8	10.0	10.3	10.6	10.8
	375	9.7	9.9	10.2	10.4	10.7	10.9	11.2
	400	10.0	10.3	10.6	10.8	11.1	11.3	11.6
	425	10.4	10.7	10.9	11.2	11.4	11.7	12.0
	450	10.8	11.1	11.3	11.6	11.8	12.1	12.3
	475	11.2	11.4	11.7	11.9	12.2	12.5	12.7
	500	11.6	11.8	12.1	12.3	12.6	12.8	13.1
	525	11.9	12.2	12.5	12.7	13.0	13.2	13.5
	550	12.3	12.6	12.8	13.1	13.4	13.6	13.9
	575	12.7	13.0	13.2	13.5	13.7	14.0	14.2
600	13.1	13.4	13.6	13.9	14.1	14.4	14.6	

Breeding Females (monthly individual average)

Includes calf to weaning, assumes 12mth calving interval and zero LWG

		Months from birth												Annual Average
		-5	-4	-3	-2	-1	+1	+2	+3	+4	+5	+6	+7	
Average Liveweight	350	6.4	6.7	7.2	8.1	9.8	14.8	15.5	15.6	15.4	15.0	14.4	6.3	11.2
	375	6.8	7.1	7.6	8.5	10.2	15.2	15.8	15.9	15.8	15.4	14.7	6.6	11.6
	400	7.2	7.5	8.0	8.9	10.6	15.6	16.2	16.3	16.1	15.7	15.1	7.0	12.0
	425	7.6	7.9	8.4	9.3	10.9	16.0	16.6	16.7	16.5	16.1	15.5	7.4	12.3
	450	8.0	8.2	8.7	9.7	11.3	16.4	17.0	17.1	16.9	16.5	15.9	7.8	12.7
	475	8.3	8.6	9.1	10.0	11.7	16.7	17.4	17.5	17.3	16.9	16.3	8.2	13.1
	500	8.7	9.0	9.5	10.4	12.1	17.1	17.7	17.8	17.7	17.3	16.6	8.5	13.5
	525	9.1	9.4	9.9	10.8	12.5	17.5	18.1	18.2	18.0	17.6	17.0	8.9	13.9
	550	9.5	9.8	10.3	11.2	12.8	17.9	18.5	18.6	18.4	18.0	17.4	9.3	14.2
	575	9.9	10.2	10.7	11.6	13.2	18.3	18.9	19.0	18.8	18.4	17.8	9.7	14.6
600	10.3	10.5	11.0	12.0	13.6	18.7	19.3	19.4	19.2	18.8	18.2	10.1	15.0	
		2nd trimester			3rd trimester			1st trimester			2nd trim			
		Lactating												

BOS INDICUS CATTLE DSE TABLES

Dry Sheep Equivalent (DSE) Ratings represent energy demand relative to the standard DSE animal (45kg Wether with zero liveweight gain)

Growing Animals (any period)

Steers and Dry Empty Females

		Average Daily Gain (kg/hd/day)					
		0	0.2	0.4	0.6	0.8	1.0
Average Liveweight	150	3.3	4.2	5.0	6.0	6.9	7.9
	200	3.8	4.8	5.9	7.0	8.1	9.2
	250	4.6	5.8	7.0	8.2	9.5	10.8
	300	5.3	6.6	8.0	9.4	10.8	12.3
	350	6.0	7.5	9.0	10.6	12.1	13.7
	400	6.6	8.3	9.9	11.6	13.2	14.9
	450	7.3	9.0	10.8	12.5	14.2	16.0
	500	7.9	9.7	11.5	13.3	15.1	16.9
	550	8.5	10.3	12.1	14.0	15.8	17.6
	600	9.1	10.9	12.8	14.6	16.5	18.3
for bulls add		11%	7%	5%	3%	1%	0%

Breeding Females (annualised mob average)

Includes calf to weaning, assumes 12mth calving interval and zero LWG

		Weaning %						
		60%	65%	70%	75%	80%	85%	90%
Average Liveweight	350	8.7	8.9	9.2	9.4	9.6	9.9	10.1
	375	9.1	9.3	9.5	9.7	10.0	10.2	10.4
	400	9.4	9.6	9.9	10.1	10.3	10.6	10.8
	425	9.8	10.0	10.2	10.5	10.7	10.9	11.2
	450	10.1	10.4	10.6	10.8	11.1	11.3	11.5
	475	10.5	10.7	11.0	11.2	11.4	11.7	11.9
	500	10.9	11.1	11.3	11.6	11.8	12.0	12.3
	525	11.2	11.5	11.7	11.9	12.2	12.4	12.6
	550	11.6	11.8	12.1	12.3	12.5	12.8	13.0
	575	12.0	12.2	12.4	12.7	12.9	13.1	13.4
600	12.3	12.6	12.8	13.0	13.3	13.5	13.7	

Breeding Females (monthly individual average)

Includes calf to weaning, assumes 12mth calving interval and zero LWG

		Months from birth											Annual Average	
		-5	-4	-3	-2	-1	+1	+2	+3	+4	+5	+6		+7
Average Liveweight	350	6.1	6.4	6.9	7.8	9.4	13.7	14.2	14.2	14.0	13.6	13.0	5.9	10.4
	375	6.4	6.7	7.2	8.1	9.8	14.1	14.5	14.6	14.4	14.0	13.4	6.3	10.7
	400	6.8	7.1	7.6	8.5	10.2	14.4	14.9	14.9	14.7	14.3	13.8	6.6	11.1
	425	7.2	7.4	8.0	8.9	10.5	14.8	15.3	15.3	15.1	14.7	14.1	7.0	11.5
	450	7.5	7.8	8.3	9.2	10.9	15.1	15.6	15.7	15.5	15.1	14.5	7.4	11.8
	475	7.9	8.2	8.7	9.6	11.3	15.5	16.0	16.0	15.8	15.4	14.9	7.7	12.2
	500	8.3	8.5	9.0	10.0	11.6	15.9	16.4	16.4	16.2	15.8	15.2	8.1	12.6
	525	8.6	8.9	9.4	10.3	12.0	16.2	16.7	16.8	16.6	16.2	15.6	8.5	12.9
	550	9.0	9.3	9.8	10.7	12.4	16.6	17.1	17.1	16.9	16.5	16.0	8.8	13.3
	575	9.4	9.6	10.1	11.1	12.7	17.0	17.5	17.5	17.3	16.9	16.3	9.2	13.7
600	9.7	10.0	10.5	11.4	13.1	17.3	17.8	17.9	17.7	17.3	16.7	9.6	14.0	
		2nd trimester		3rd trimester			Lactating				1st trimester		2nd trim	

SHEEP DSE TABLES

DSE Ratings represent energy requirements relative to the DSE standard, which is a 45kg wether with zero liveweight gain

Growing Sheep

		Liveweight gain (kg/hd/day)						
		0.00	0.05	0.10	0.15	0.20	0.25	0.30
Liveweight (kg)	20	0.6	0.8	1.1	1.4	1.7	2.0	2.3
	25	0.6	0.9	1.2	1.6	1.9	2.2	2.6
	30	0.7	1.1	1.4	1.8	2.1	2.5	2.9
	35	0.8	1.2	1.6	2.0	2.4	2.8	3.2
	40	0.9	1.3	1.7	2.2	2.6	3.0	3.4
	45	1.0	1.4	1.9	2.3	2.7	3.2	3.6
	50	1.1	1.5	2.0	2.4	2.9	3.3	3.8
	55	1.2	1.6	2.1	2.5	3.0	3.5	3.9
	60	1.3	1.7	2.2	2.6	3.1	3.6	4.0
	65	1.3	1.8	2.3	2.7	3.2	3.7	4.1
70	1.4	1.9	2.4	2.8	3.3	3.7	4.2	
75	1.5	2.0	2.4	2.9	3.4	3.8	4.3	

Wool production (additional DSE rating)

GFW (kg)	4.0	4.5	5.0	5.5	6.0	6.5	7.0
AE rating	0.06	0.08	0.10	0.11	0.13	0.15	0.17

Pregnancy

		Days pregnant					
		0	30	60	90	120	150
Liveweight (kg)	35	0.8	0.8	0.8	0.9	1.0	1.2
	40	0.9	0.9	0.9	1.0	1.1	1.3
	45	0.9	1.0	1.0	1.0	1.2	1.4
	50	1.0	1.0	1.1	1.1	1.2	1.4
	55	1.1	1.1	1.1	1.2	1.3	1.5
	60	1.2	1.2	1.2	1.3	1.4	1.6
	65	1.2	1.3	1.3	1.4	1.5	1.7
	70	1.3	1.3	1.4	1.4	1.5	1.8
	75	1.4	1.4	1.4	1.5	1.6	1.8
80	1.5	1.5	1.5	1.6	1.7	1.9	

plus twin

0.0	0.0	0.1	0.1	0.2	0.4
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Annualised breeding ewe

		Weaning rate						
		50%	60%	70.0%	80%	90%	100%	110%
Liveweight (kg)	35	1.0	1.1	1.1	1.2	1.3	1.3	1.4
	40	1.1	1.2	1.2	1.3	1.3	1.4	1.5
	45	1.2	1.3	1.3	1.4	1.4	1.5	1.5
	50	1.3	1.3	1.4	1.4	1.5	1.6	1.6
	55	1.4	1.4	1.5	1.5	1.6	1.6	1.7
	60	1.4	1.5	1.5	1.6	1.7	1.7	1.8
	65	1.5	1.6	1.6	1.7	1.7	1.8	1.8
	70	1.6	1.6	1.7	1.8	1.8	1.9	1.9
	75	1.7	1.7	1.8	1.8	1.9	1.9	2.0
	80	1.7	1.8	1.8	1.9	2.0	2.0	2.1

Rams

		Liveweight					
		50	60	70	80	90	100
DSE Rating		1.2	1.4	1.6	1.8	2.0	2.2

Lactation

		Days in milk				
		1	30	60	90	120
Liveweight (kg)	35	2.1	2.4	2.3	2.1	1.8
	40	2.2	2.4	2.4	2.2	1.9
	45	2.3	2.5	2.5	2.3	2.0
	50	2.4	2.6	2.5	2.4	2.0
	55	2.4	2.7	2.6	2.4	2.1
	60	2.5	2.8	2.7	2.5	2.2
	65	2.6	2.8	2.8	2.6	2.3
	70	2.7	2.9	2.9	2.7	2.3
	75	2.7	3.0	2.9	2.7	2.4
	80	2.8	3.1	3.0	2.8	2.5

plus twin lactation provision

1.2	1.5	1.4	1.2	1.0
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plus forage for 1 lamb

0.0	0.0	0.3	0.5	0.8
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plus forage for 2 lambs

0.0	0.1	0.5	1.0	1.7
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