

Effect of Age at Calving on Replacement Herd Size (Hidden Cost of Replacements)

Replacements Required Per 100 Cows*

<i>Culling Rate</i>	<i>Age at first calving</i>								
	22 Months	23 Months	24 Months	25 Months	26 Months	27 Months	28 Months	29 Months	30 Months
20 percent	38	42	46	48	52	56	61	63	67
22 percent	42	46	50	54	58	63	67	69	73
24 percent	46	50	54	58	63	67	71	75	81
26 percent	48	54	58	63	69	73	77	81	87
28 percent	52	58	63	69	73	79	83	87	94
30 percent	56	63	67	73	79	83	89	94	100
32 percent	61	67	71	77	83	89	96	100	106
34 percent	63	69	75	81	87	94	100	106	112
36 percent	67	73	81	87	94	100	106	112	121
38 percent	71	77	85	92	98	106	112	118	127
40 percent	75	81	89	96	104	110	118	125	133

**Based on 12% heifer losses;
deaths 0-12 months = 5% pre-breeding culls = 3% deaths 13 months calving = 1% and post-breeding losses = 3%.*

