

10 Alpaca Projection

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Herd For The Year										
Females - Bred	10	10	15	20	21	27	27	25	20	25
Females - Crias	0	5	5	7	10	10	13	13	12	10
Males	0	5	10	15	23	18	21	24	21	16
Annual Births										
Females	5	5	7	10	10	13	13	12	10	12
Males	5	5	7	10	10	13	13	12	10	12
Annual Sales										
Females - breedable	0	0	5	10	10	20	15	20	10	20
Females - cria/weanling	0	0	1	1	0	10	11	10	15	15
Males	0	0	2	2	15	10	10	15	15	10
Avg Price of Breedable Female	\$20,000	\$17,000	\$14,450	\$12,283	\$10,440	\$8,874	\$7,543	\$6,412	\$5,450	\$4,632
Avg Price of Female Cria	\$18,000	\$15,300	\$13,005	\$11,054	\$9,396	\$7,987	\$6,789	\$5,770	\$4,905	\$4,169
Avg Price of male	\$1,900	\$1,615	\$1,373	\$1,167	\$992	\$843	\$717	\$609	\$518	\$440
Total Herd Size										
Females - breedable	10	10	10	10	11	7	12	5	10	5
Females - cria/weanling	5	10	11	16	20	13	15	15	7	7
Males	5	10	15	23	18	21	24	21	16	18
Value Increase	\$99,500	\$84,575	\$84,894	\$108,823	\$89,002	\$26,489	\$15,727	\$9,713	(\$27,113)	(\$11,627)
Total Value	\$299,500	\$339,150	\$308,146	\$326,530	\$320,616	\$183,650	\$209,544	\$131,405	\$97,116	\$60,267
Capital Investment	270000	0	0	0	0	0	0	0	0	0
Stud Fee	0	6000	20000	20000	20000	0	0	0	0	0
Insurance	8400	8400	8400	0	0	0	0	0	0	0
Birth & Registration	1500	1500	2100	3000	3000	3900	3900	3600	3000	3600
Fencing/Supplies	4800	500	500	500	1000	1200	1200	1200	1200	1200
Marketing/Travel	500	500	8800	13621	11928	26578	19499	19507	13584	15958
Attorney & Accountant	550	200	200	200	200	200	200	200	200	200
Feed & Vet	3500	7000	10500	14700	18900	19250	21350	21700	18550	17850
Operating Costs	19250	24100	50500	52021	55028	51128	46149	46207	36534	38808
Less: Wool Sales	600	900	1500	2100	2640	2700	2880	2940	2460	2460
Less: Animal Sales	0	0	88001	136213	119278	265779	194986	195071	135837	159584
Net Income	(\$18,650)	(\$23,200)	\$39,000	\$86,292	\$66,891	\$217,352	\$151,718	\$151,804	\$101,763	\$123,236
Rate of Return	-6.91%	-8.59%	14.44%	31.96%	24.77%	80.50%	56.19%	56.22%	37.69%	45.64%
Investment balance	(\$288,650)	(\$334,942)	(\$322,737)	(\$262,264)	(\$216,355)	(\$16,312)	\$134,101	\$285,905	\$387,668	\$510,904

Insurance on initial herd until out of debt

Stud fees on all females until year 5

Annual Sales variable, selected to eliminate debt in year 4

Average Return on Investment

33.19%

Breedable females = (breedable females from previous year - sales) + (cria from 2 years previous - sales)