

## 20 Alpaca Projection

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
<b>Herd For The Year</b>										
Females - Bred	20	20	30	38	36	40	42	40	41	45
Females - Crias	0	10	10	15	19	18	20	21	20	20
Males	0	10	20	25	29	32	37	43	43	43
<b>Annual Births</b>										
Females	10	10	15	19	18	20	21	20	20	22
Males	10	10	15	19	18	20	21	20	20	22
<b>Annual Sales</b>										
Females - breedable	0	0	12	15	15	20	25	25	25	15
Females - cria/weanling	0	0	12	15	15	15	15	12	20	20
Males	0	0	10	15	15	15	15	20	20	20
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
<b>Total Herd Size</b>										
Females - breedable	20	20	18	23	21	20	17	15	16	30
Females - cria/weanling	10	20	13	19	22	23	26	29	20	22
Males	10	20	25	29	32	37	43	43	43	45
Value Increase	\$199,000	\$169,150	\$45,879	\$48,884	\$31,164	\$44,149	\$45,032	\$46,163	\$0	\$9,218
Total Value	\$599,000	\$678,300	\$463,484	\$526,367	\$457,695	\$392,369	\$335,550	\$289,706	\$207,556	\$250,494
Capital Investment	510000	0	0	0	0	0	0	0	0	0
Stud Fee	0	6000	40000	38000	36000	0	0	0	0	0
Insurance	8400	8400	8400	8400	0	0	0	0	0	0
Birth & Registration	3000	3000	4500	5700	5400	6000	6300	6000	6000	6600
Fencing/Supplies	4800	500	500	500	1000	1200	1200	1200	1200	1200
Marketing/Travel	500	500	51478	55133	46863	46489	45173	36257	36704	24250
Attorney & Accountant	550	200	200	200	200	200	200	200	200	200
Feed & Vet	7000	14000	21000	27300	29400	31500	34650	36400	36400	37800
Operating Costs	24250	32600	126078.125	135233	118863	85389	87523	80057	80504	70050
Less: Wool Sales	1200	1800	3000	3780	3900	4320	4740	4980	5040	5280
Less: Animal Sales	0	0	343188	367554	312421	309928	301154	241715	244696	161669
Net Income	(\$23,050)	(\$30,800)	\$220,109	\$236,101	\$197,458	\$228,859	\$218,371	\$166,638	\$169,232	\$96,898
Rate of Return	-8.54%	-11.41%	81.52%	87.44%	73.13%	84.76%	80.88%	61.72%	62.68%	35.89%
Investment balance	(\$533,050)	(\$606,494)	(\$434,904)	(\$233,596)	(\$54,826)	\$169,647	\$388,018	\$554,656	\$723,888	\$820,786

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 5

Average Return on Investment

54.81%

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