

15 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 | 15 | 15 | 22 | 26 | 24 | 33 | 33 | 31 | 30 | 32 |
| Females - Crias | 0 | 7 | 7 | 11 | 13 | 12 | 16 | 16 | 15 | 15 |
| Males | 0 | 7 | 14 | 15 | 13 | 10 | 11 | 12 | 7 | 2 |
| Annual Births | | | | | | | | | | |
| Females | 7 | 7 | 11 | 13 | 12 | 16 | 16 | 15 | 15 | 16 |
| Males | 7 | 7 | 11 | 13 | 12 | 16 | 16 | 15 | 15 | 16 |
| Annual Sales | | | | | | | | | | |
| Females - breedable | 0 | 0 | 10 | 10 | 10 | 20 | 20 | 22 | 17 | 15 |
| Females - cria/weanling | 0 | 0 | 10 | 5 | 5 | 10 | 11 | 12 | 15 | 15 |
| 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 |
| Total Herd Size | | | | | | | | | | |
| Females - breedable | 15 | 15 | 12 | 16 | 14 | 13 | 13 | 9 | 13 | 17 |
| Females - cria/weanling | 7 | 14 | 8 | 19 | 20 | 18 | 21 | 19 | 15 | 16 |
| Males | 7 | 14 | 15 | 13 | 10 | 11 | 12 | 7 | 2 | -2 |
| Value Increase | \$139,300 | \$118,405 | \$14,378 | \$86,100 | \$62,797 | \$48,763 | \$34,660 | \$14,266 | (\$2,589) | \$2,409 |
| Total Value | \$439,300 | \$491,810 | \$298,031 | \$421,720 | \$344,002 | \$268,397 | \$249,220 | \$171,605 | \$145,455 | \$144,575 |
| Capital Investment | 390000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stud Fee | 0 | 6000 | 30000 | 26000 | 24000 | 0 | 0 | 0 | 0 | 0 |
| Insurance | 8400 | 8400 | 8400 | 8400 | 0 | 0 | 0 | 0 | 0 | 0 |
| Birth & Registration | 2100 | 2100 | 3300 | 3900 | 3600 | 4800 | 4800 | 4500 | 4500 | 4800 |
| Fencing/Supplies | 4800 | 500 | 500 | 500 | 1000 | 1200 | 1200 | 1200 | 1200 | 1200 |
| Marketing/Travel | 500 | 500 | 43242 | 29340 | 24939 | 40499 | 35443 | 33372 | 26486 | 21123 |
| Attorney & Accountant | 550 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Feed & Vet | 5250 | 10150 | 15050 | 18200 | 17500 | 19250 | 21000 | 20650 | 18200 | 17150 |
| Operating Costs | 21600 | 27850 | 100692 | 86540 | 71239 | 65949 | 62643 | 59922 | 50586 | 44473 |
| Less: Wool Sales | 900 | 1320 | 2160 | 2460 | 2220 | 2580 | 2640 | 2580 | 2220 | 2040 |
| Less: Animal Sales | 0 | 0 | 288278 | 195599 | 166259 | 269995 | 236284 | 222480 | 176574 | 140823 |
| Net Income | (\$20,700) | (\$26,530) | \$189,746 | \$111,519 | \$97,240 | \$206,625 | \$176,282 | \$165,138 | \$128,208 | \$98,390 |
| Rate of Return | -7.67% | -9.83% | 70.28% | 41.30% | 36.01% | 76.53% | 65.29% | 61.16% | 47.48% | 36.44% |
| Investment balance | (\$410,700) | (\$470,086) | (\$317,947) | (\$231,864) | (\$153,173) | \$41,199 | \$217,480 | \$382,619 | \$510,827 | \$609,216 |

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

41.70%

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