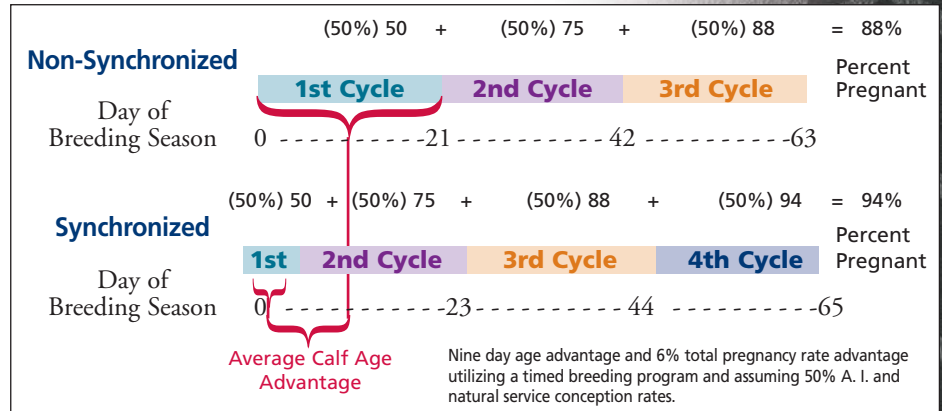


# A.I. and Synchronization Deliver:

- ✓ **Heavier Calves** due to improved genetics and the fact calves are up to 9 days older than non-synchronized groups
- ✓ **Better Calves** due to proven and targeted genetics that deliver improved calving ease, growth, maternal and carcass traits
- ✓ **More Calves** due to increased calving ease, better breed back and more chances due to increased heat cycles in a defined period to become pregnant
- ✓ **Increased Uniformity** due to less genetic and age variation
- ✓ **Enhanced Profitability** due to the benefits of A.I. and synchronization
- ✓ **Increased Flexibility** due to the ability to use specific sires that will improve certain traits or allow for a systematic planned crossbreeding program
- ✓ **Permanent and Additive Results** due to the genetics that become part of your cowherd, they are one input that continues to pay dividends long term
- ✓ **Proven Genetics** for calving ease, growth, maternal ability and carcass traits



## Typical Natural Service Cost Per Calf

Bull Purchase Price	\$1,800	\$2,000	\$2,500	\$3,000
20 cows/year for 3 years	\$54.60	\$59.30	\$71.05	\$82.81
25 cows/year fro 3 years	\$43.68	\$47.44	\$56.84	\$66.25
30 cows/year for 3 years	\$36.40	\$39.53	\$47.34	\$55.20

\*Typical natural service costs assume \$800 salvage value, \$500 annual feed & veterinarian, 95% conception rate, 10% risk and 8% interest rate.

## AI Cost Analysis with Varying Estrus Response and Pregnancy Rates

		Pregnancy Rate of those Responding					
		60%	70%	80%	90%	100%	
Estrus Response Rate	60%	% AI Pregnant	36%	42%	48%	54%	60%
	60%	Cost/Synch AI Preg	\$69.44	\$59.52	\$52.08	\$46.30	\$41.67
	70%	% AI Pregnant	42%	49%	56%	63%	70%
	70%	Cost/Synch AI Preg	\$64.29	\$55.10	\$48.21	\$42.86	\$38.57
	80%	% AI Pregnant	48%	56%	64%	72%	80%
	80%	Cost/Synch AI Preg	\$60.42	\$51.79	\$45.31	\$40.28	\$36.25
	90%	% AI Pregnant	54%	63%	72%	81%	90%
	90%	Cost/Synch AI Preg	\$57.41	\$49.21	\$43.06	\$38.27	\$34.44
	100%	% AI Pregnant	60%	70%	80%	90%	100%
	100%	Cost/Synch AI Preg	\$55.00	\$47.14	\$41.25	\$36.67	\$33.00

Calculated using Iowa Beef Center Synchronizations Systems Planner: [www.iowabeefcenter.org](http://www.iowabeefcenter.org)  
 One shot Prostaglandin with heat detection, \$4 drug cost, \$10 heat detection cost, \$20 semen cost

