



Timed AI with or without Estrous Detection

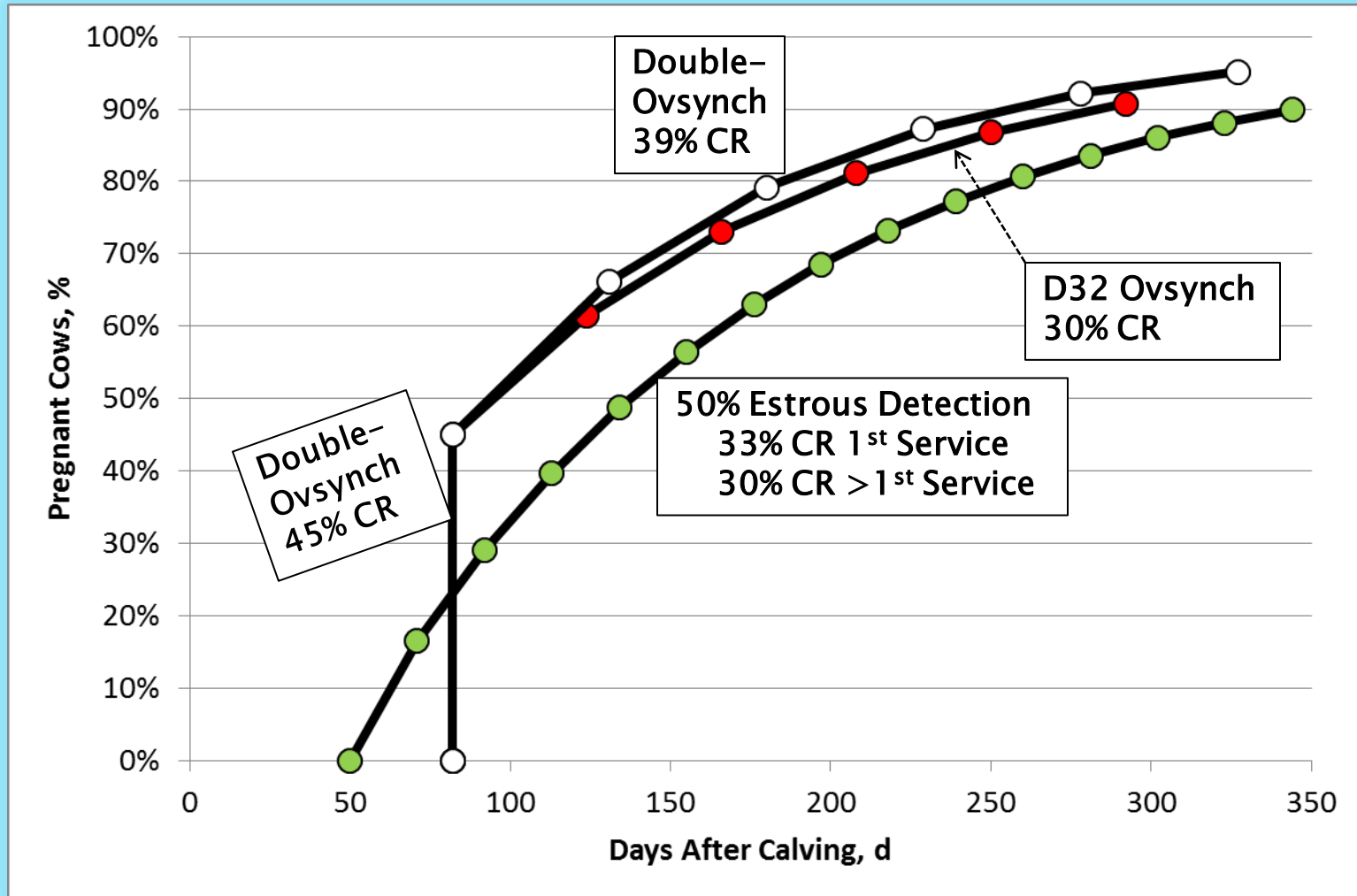
21st ADSA Discover Conference:
Improving Reproductive Efficiency of Lactating Dairy Cattle
May 9-12, 2011, Eaglewood Resort and Spa, Itasca, IL

Victor E. Cabrera

Defining 3 Reproductive Programs



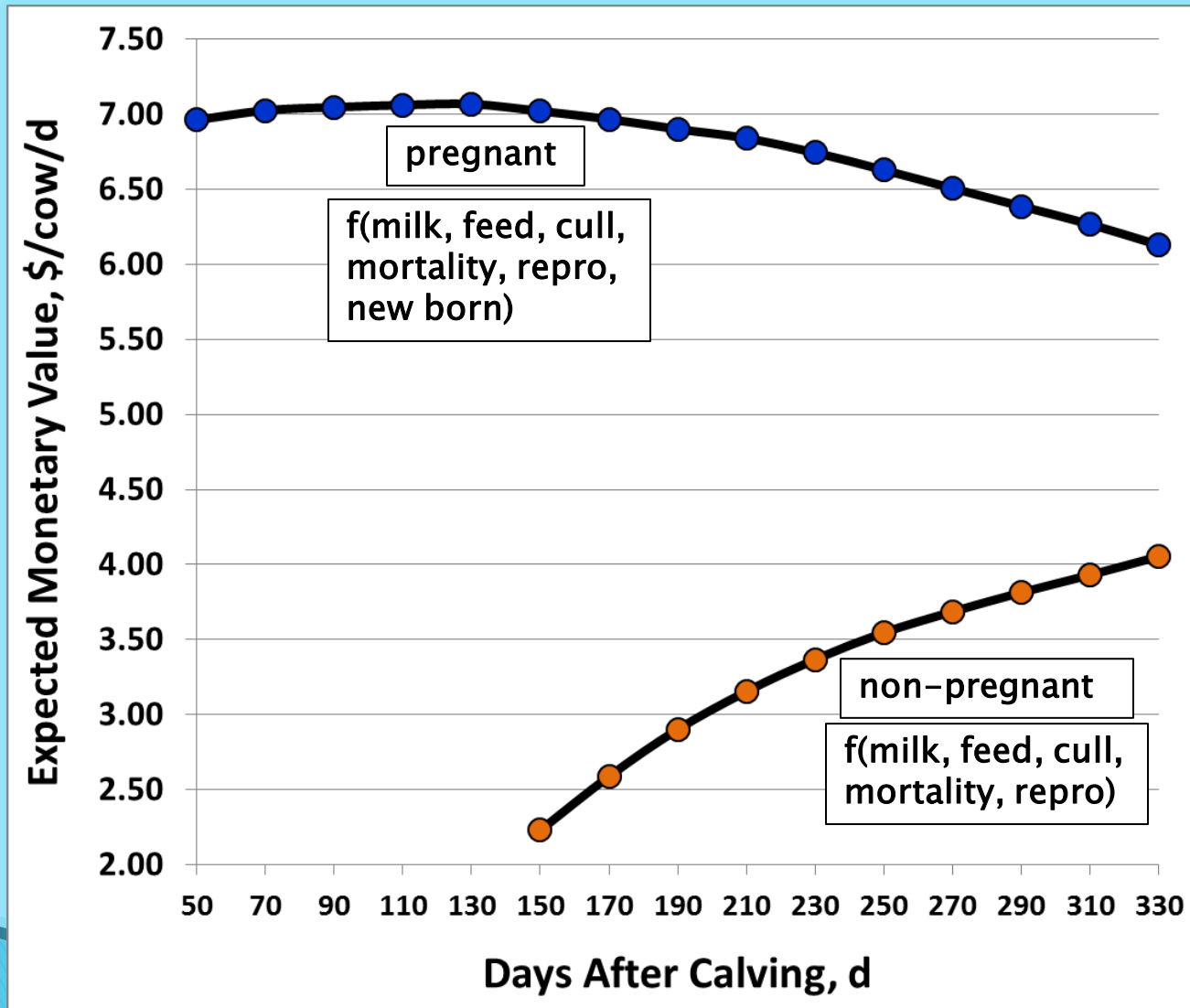
Three reproductive programs



Calculating the Value of Specific Reproductive Programs



$$NPV_{\text{program}} = \sum_{s=1}^S \partial EMV_{\text{pregnant}} + \partial EMV_{\text{non-pregnant}}$$



Performance of Reproductive Programs



21-d PR and net present value

1 st Service 2 nd Service	Reproductive Programs		
	Double-Ovsynch D32-Resynch	Double-Ovsynch	Estrous Detection Estrous Detection
21-d PR, %	22	25	15
Net Present Value, \$/cow/yr	2,336	2,360	2,291
Value over ED, \$/cow/yr	45	69	

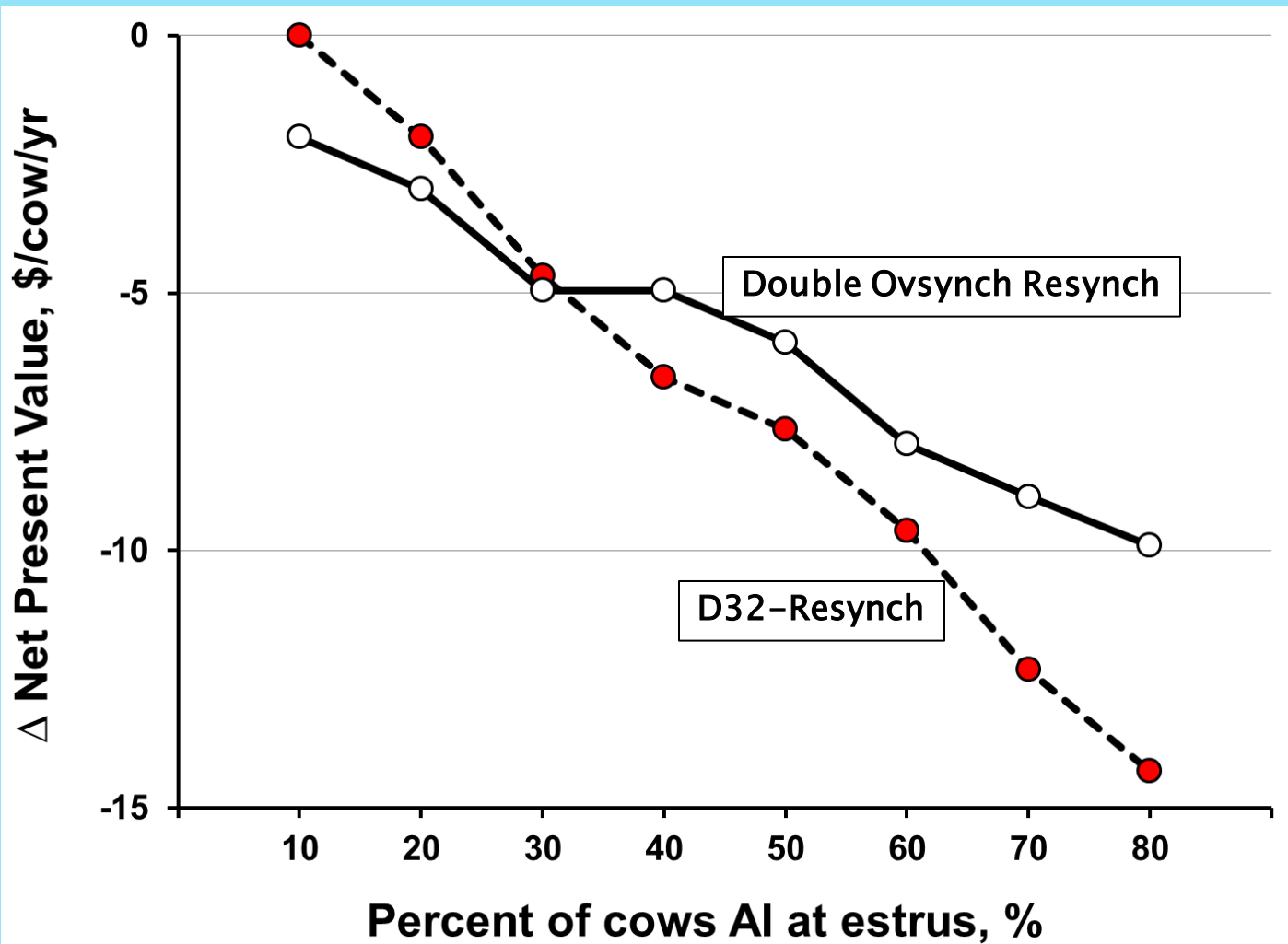
Economic Value of Including Estrous Detection



Before 1st TAI



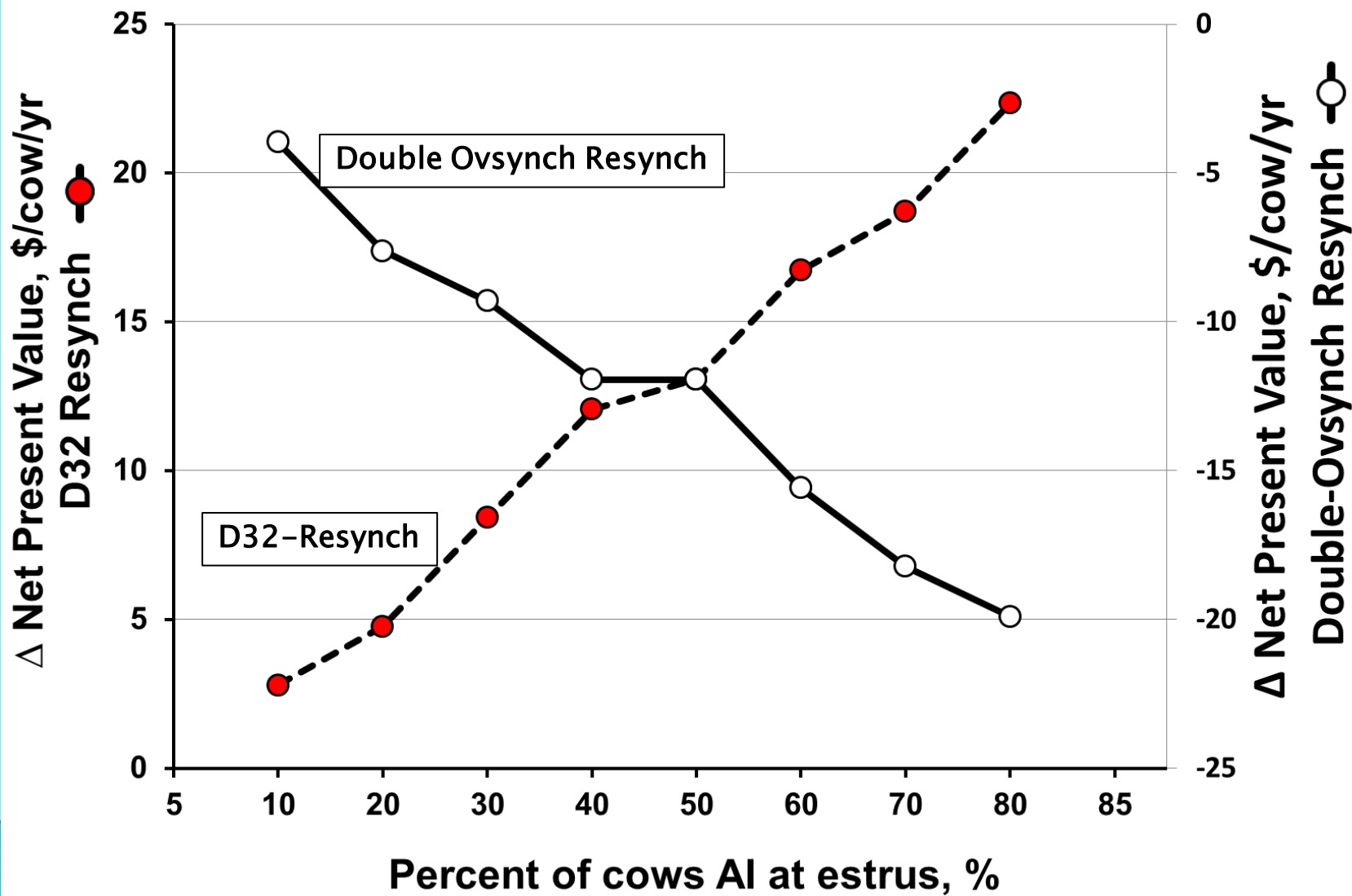
ED (CR=33%) before 1st TAI



Between TAI



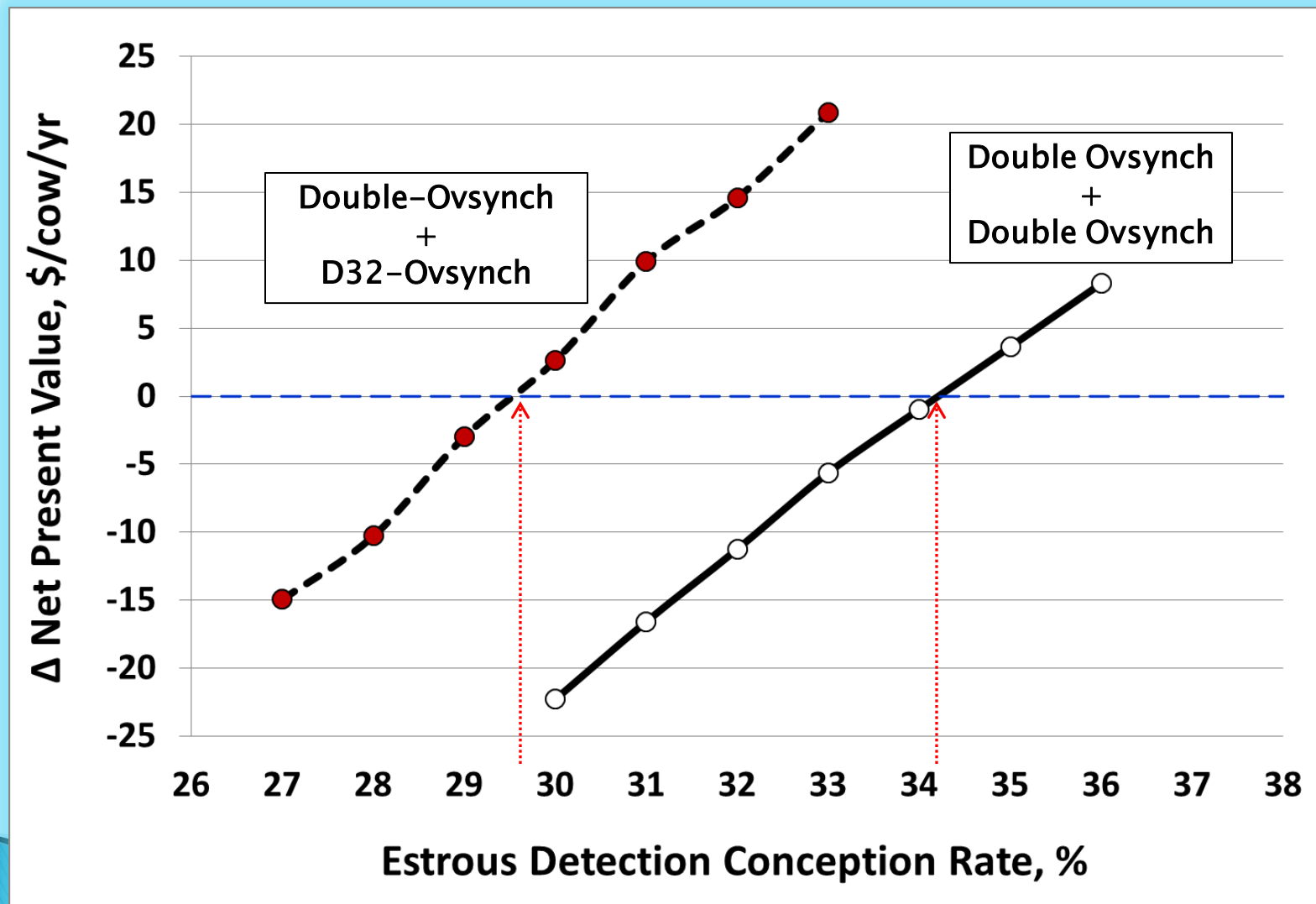
ED (CR=30%) between resynchs



Before and after 1st TAI



50% ED before and after 1st TAI



Thanks

