

Synch Calendars for Lactating Cows

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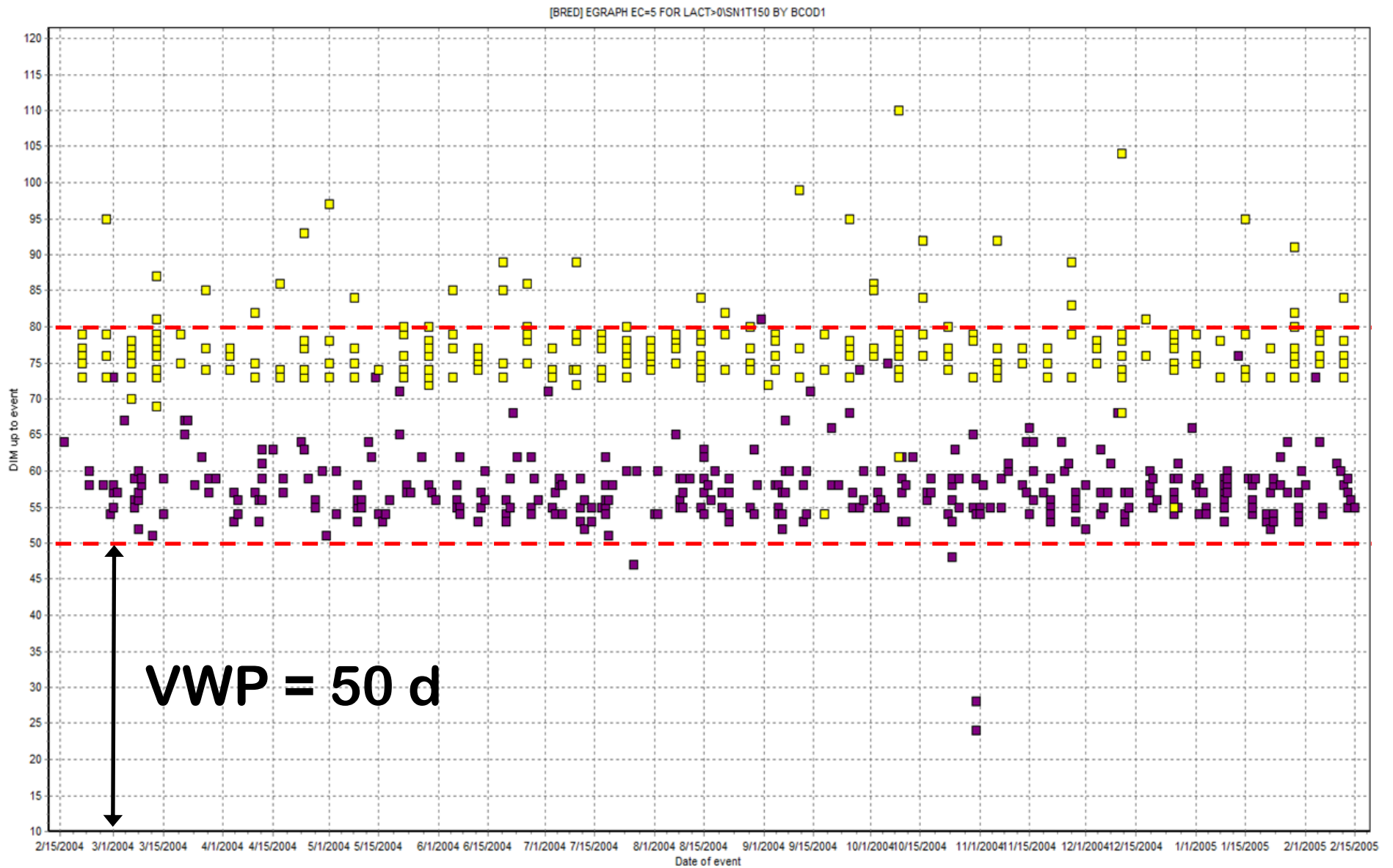
DEPARTMENT OF
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Presynch-Ovsynch

Moreira et al., 2001; J. Dairy Sci. 84:1646-1659

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			PGF			
			PGF	AI to Estrus		
	GnRH					
	PGF		GnRH	TAI		

Presynch-Ovsynch + Estrus



Fertility Programs for 1st AI

Presynch-Ovsynch

Moreira et al., 2001; J. Dairy Sci. 84:1646-1659

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			PGF			
			PGF		AI to Esrus	
	GnRH					
	PGF		GnRH	TAI		



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Effect of insemination after estrous detection on pregnancy per artificial insemination and pregnancy loss in a Presynch-Ovsynch protocol: A meta-analysis

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Approach 1

- 3 randomized controlled studies including 1,689 cows were used in a meta-analysis.
- The incorporation of AI to estrus during a Presynch-Ovsynch protocol **decreased** the odds of pregnancy by **35%**.

Approach 2

- 6 experimental groups with 2,400 AI using estrus + TAI in a PO protocol for 1st AI vs. 18 experimental groups with 7,413 TAI not using detection of estrus for 1st AI.
- There was a difference of **10.8** percentage units favoring 100% TAI vs. incorporation of estrus in a PO protocol for 1st AI.

Fertility Programs for 1st AI

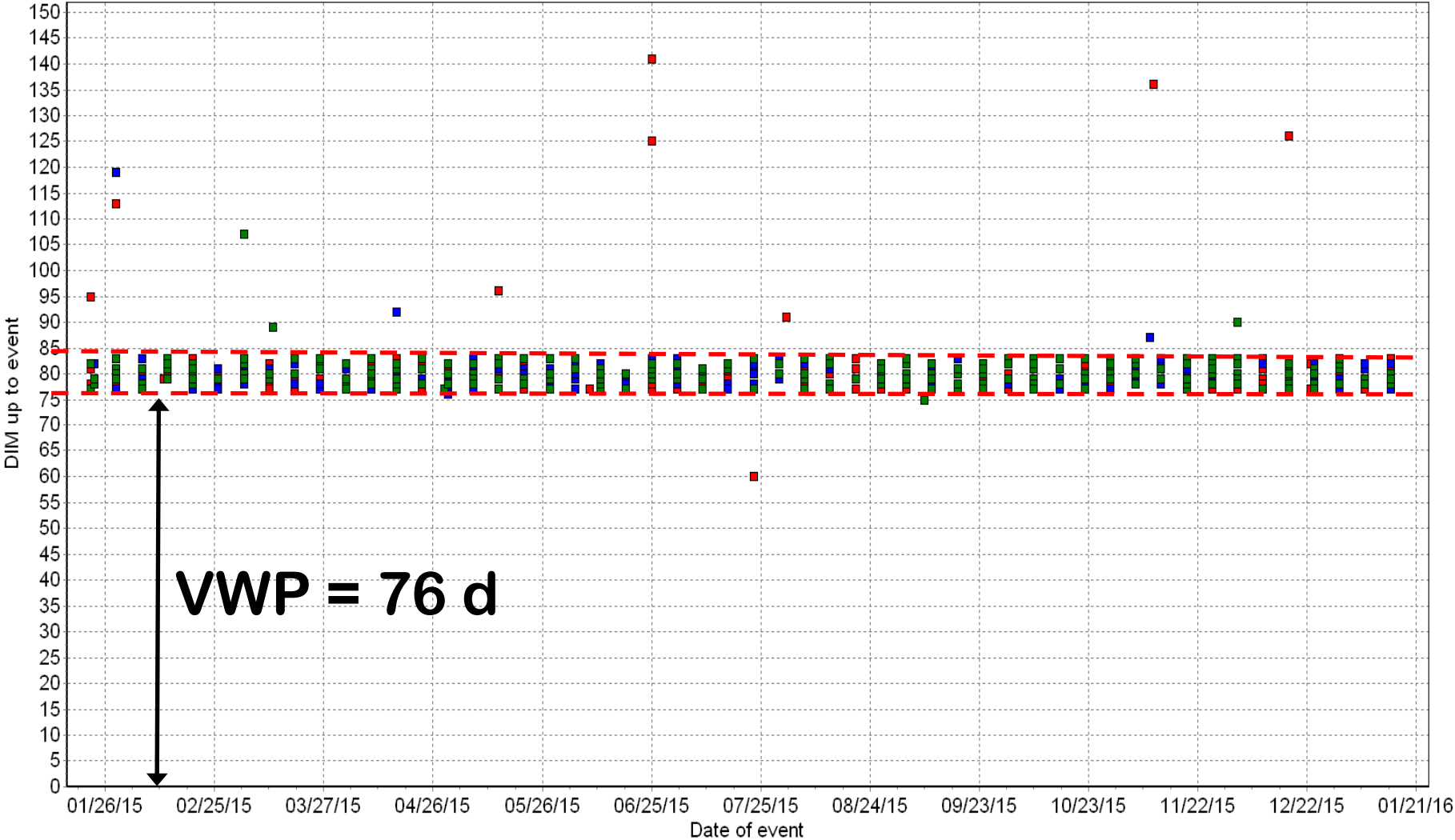
Double-Ovsynch

Brusveen et al., 2009; J. Dairy Sci. 92:1412-1422

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					GnRH	
					PGF	
	GnRH					
	GnRH					
	PGF	PGF	GnRH	TAI		

Double-Ovsynch for 1st timed AI

01/20/16 UW Arlington Madison Combined
EGRAPH BRED FOR LACT>0|SN1T150 BY LGRP



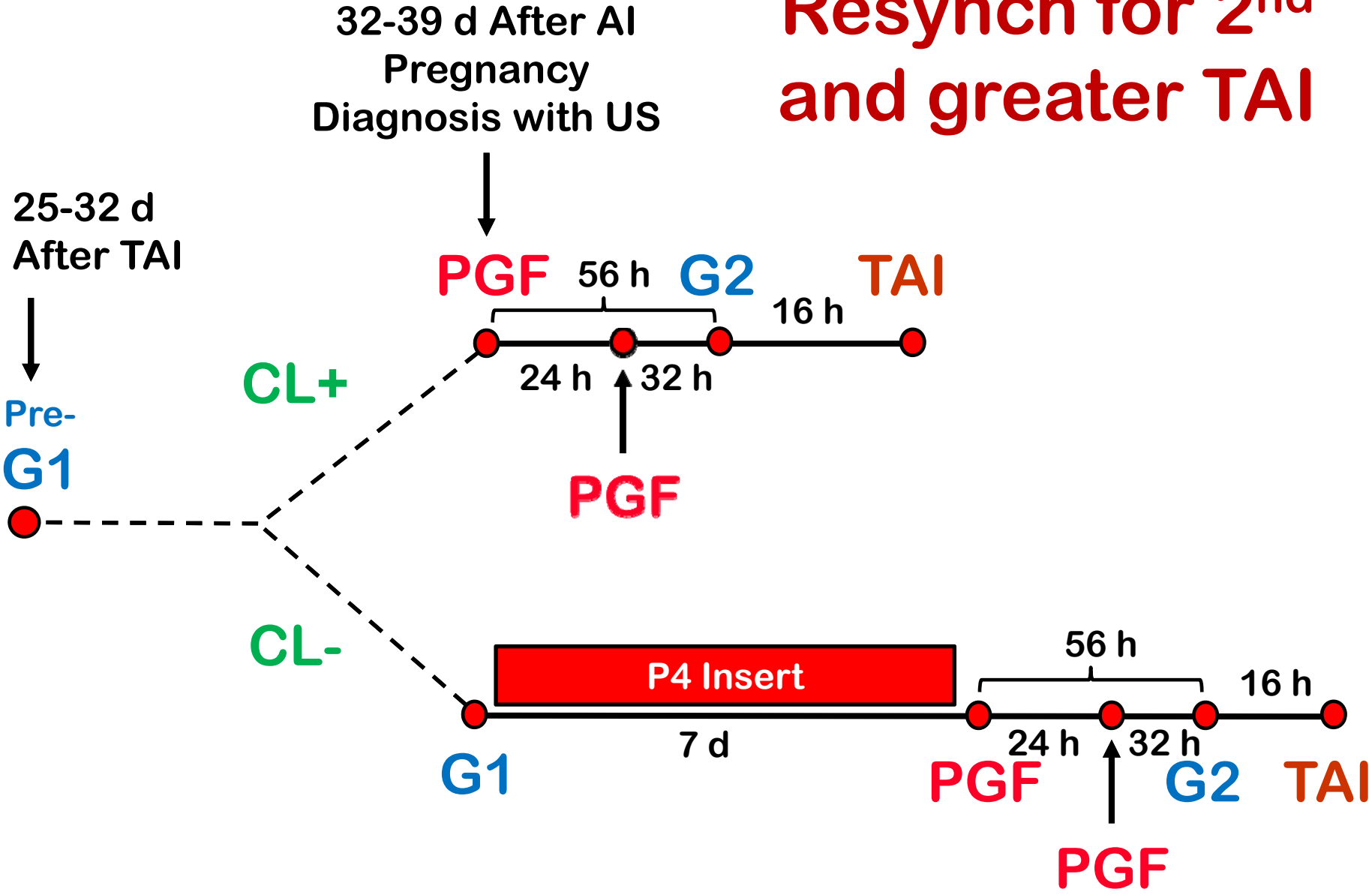


Alternative Double Ovsynch Protocol (Modified G6G)

Bello et al., 2006; J. Dairy Sci. 89:3413-3424

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	GnRH					
	PGF		GnRH			
		GnRH				
		PGF	PGF	GnRH	TAI	

Resynch for 2nd and greater TAI



TAI for First Three Breedings

