

Semen Production



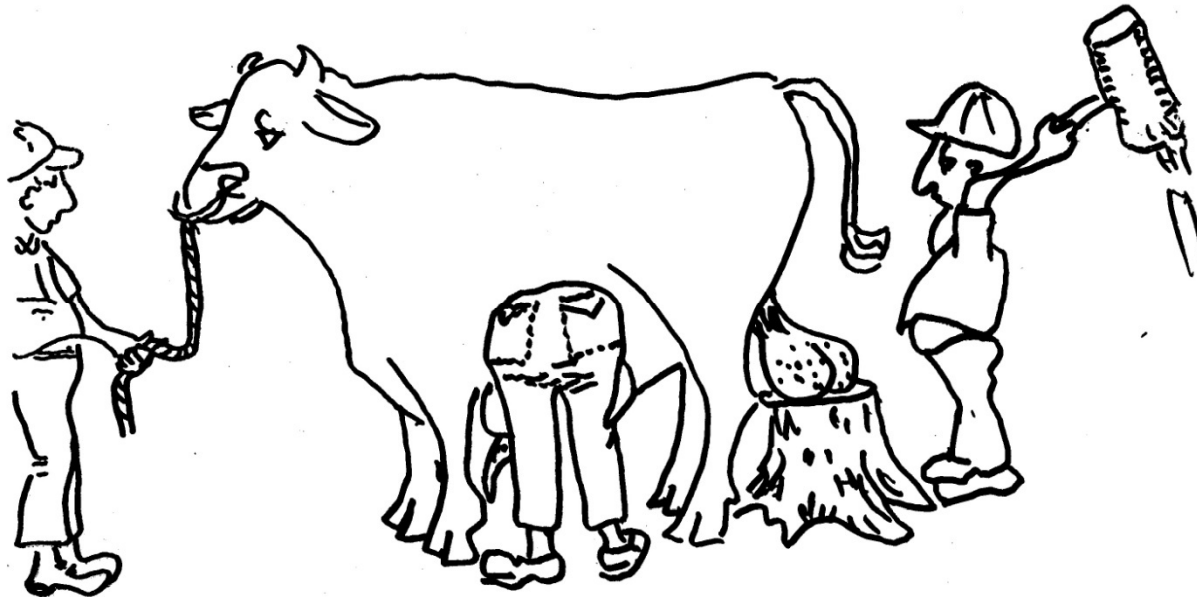
Workshop, Anand India 2014



Collection Management



The CRI Process



Collection Techniques





Mounts are generally small sturdy bulls and steers. Quiet. Acquired, developed and trained for this purpose.



Choice of Mounts



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Oh Oh, Trouble.

Maximize Sperm Harvested

- ▶ Use stimulation and preparation
- ▶ Collection frequency
- ▶ Typical “high” demand bull collected 4 to 6 times per week



AVs are sterilized by boiling or steam; moving from Long AVs (top) to short AVs (bottom) to prevent ejaculation inside the casing. Note overall length is the same.

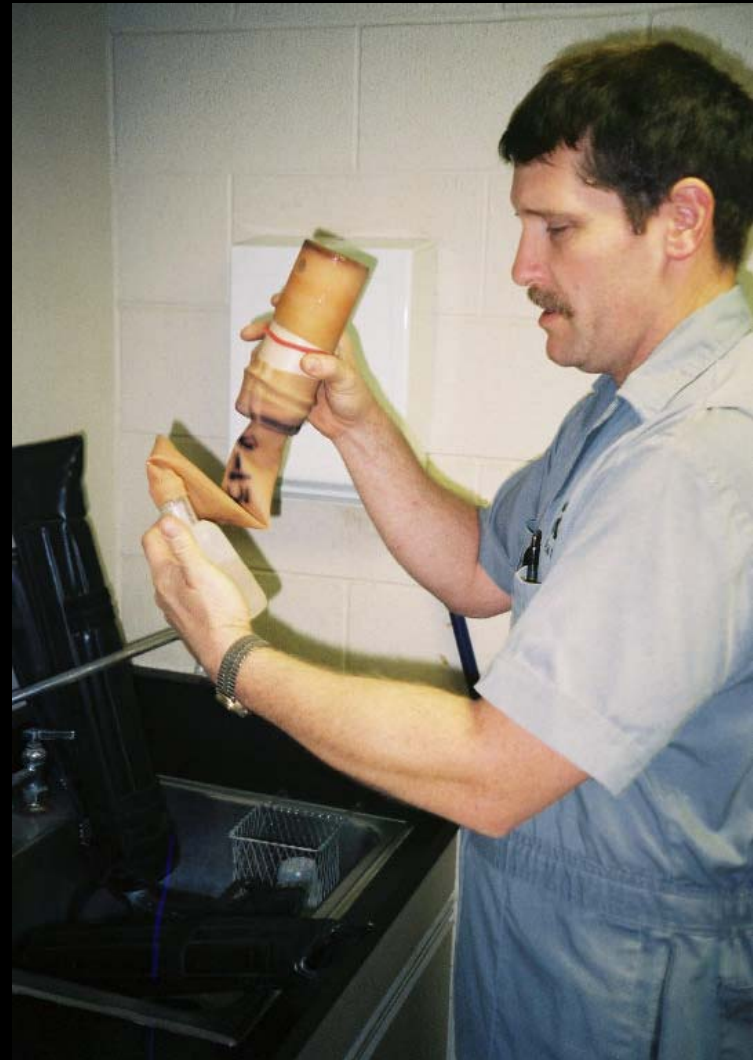


Moving to larger disposable collection tubes. Screw top important for sperm mixing.

Goals: Ejaculate deposited in the AV cone, not the AV casing.

Obtain vigorous thrusts, not hesitant emissions.

AV comfortable: (Lubricant), but warm: 48°C

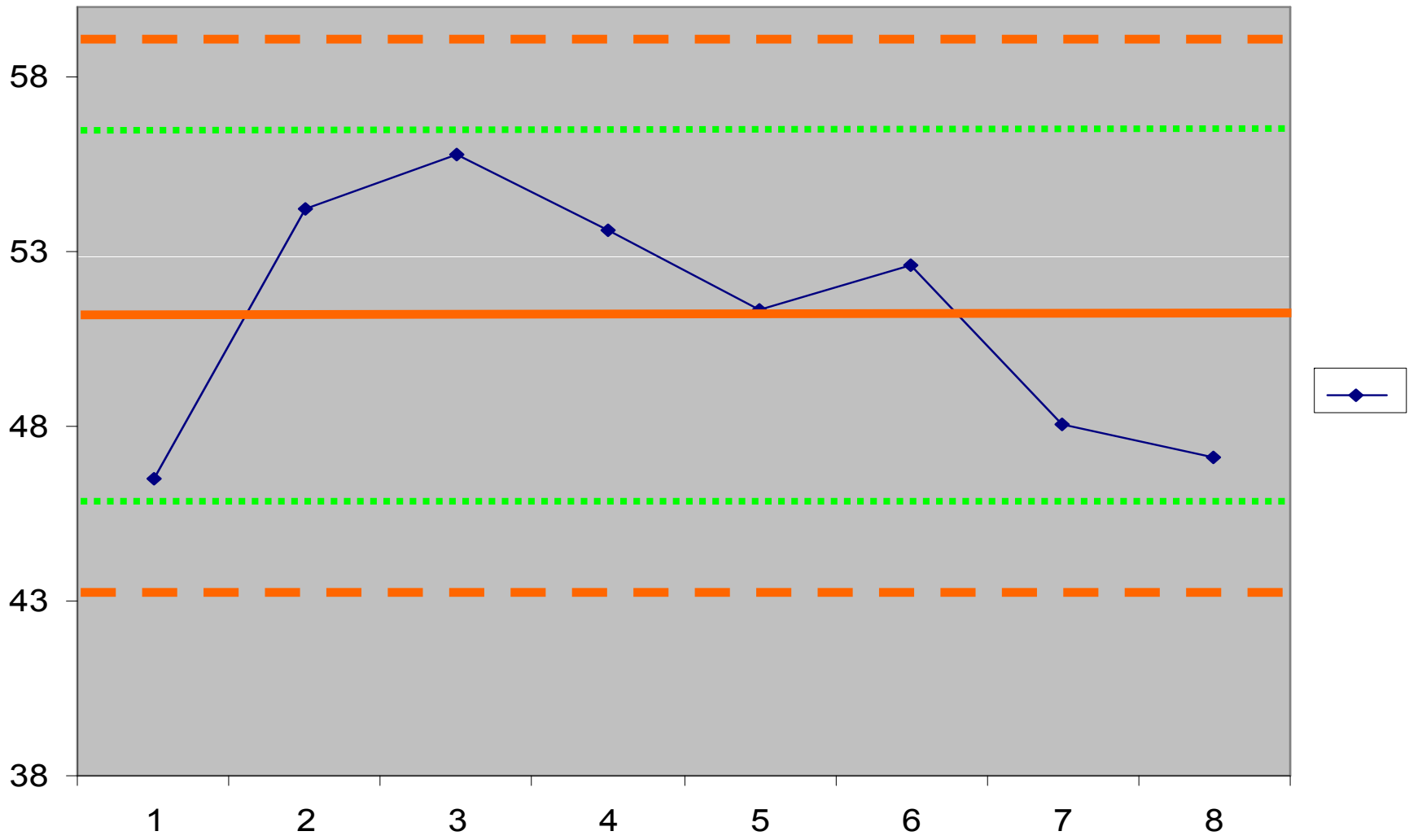


Trust that if we follow proper procedures - high frequency, preparation and stimulation strategies, --- then we collect almost all of the sperm a bull has to offer.

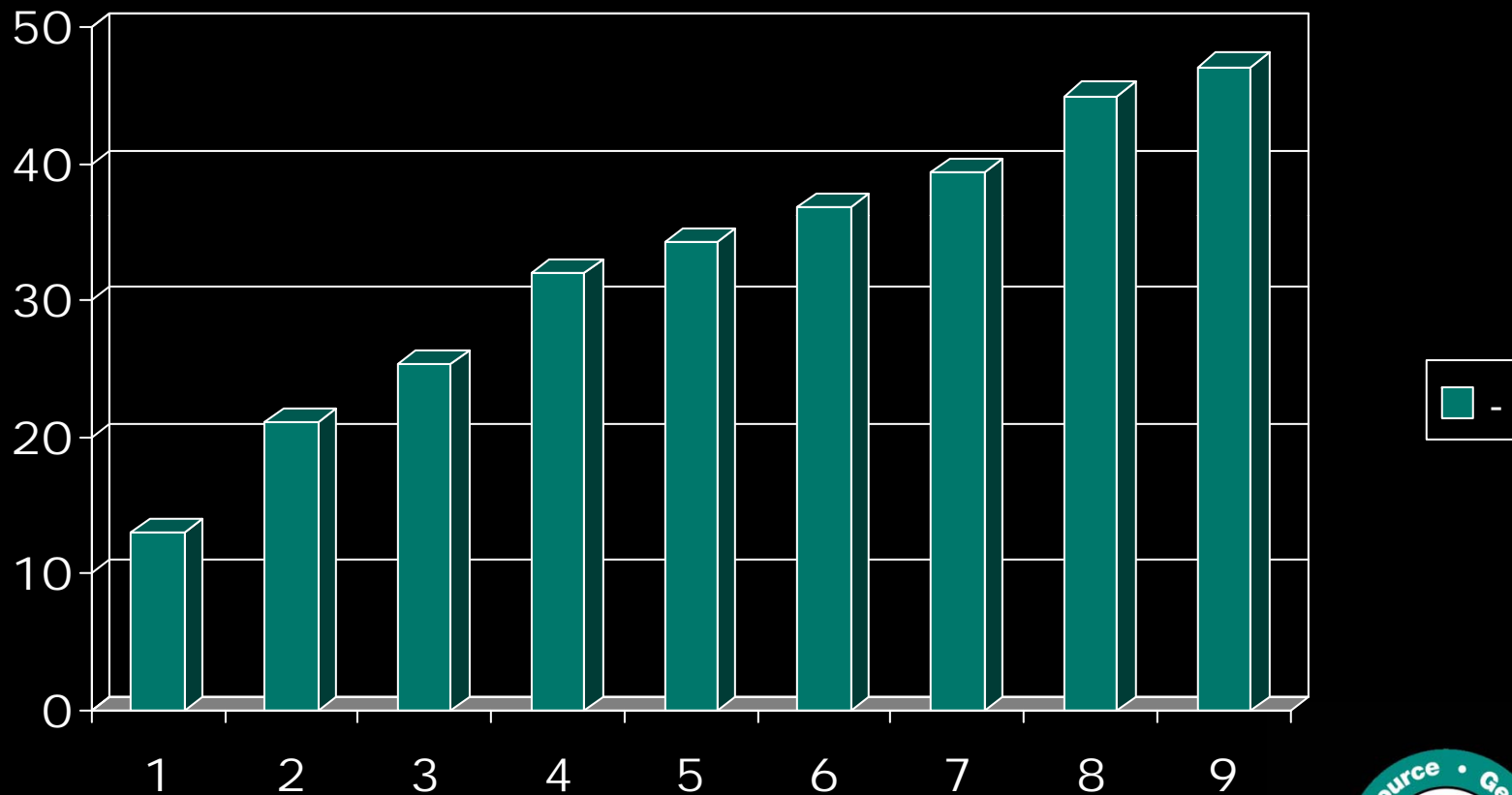
But verify by creating the proper observations and records.



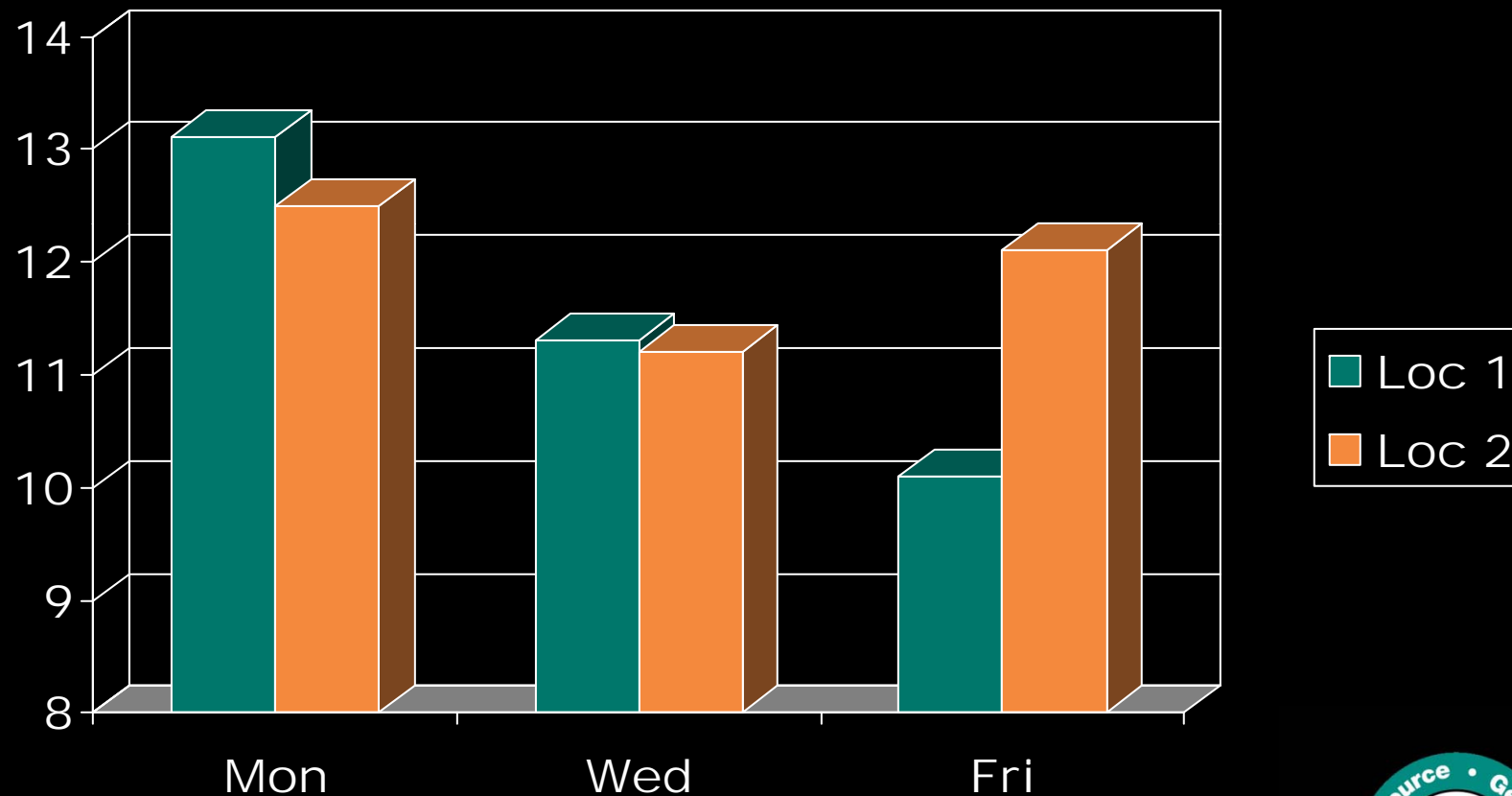
Sperm Output by Period



Total Sperm Per Week by number of ejaculates



Sperm Output By Week Day for 2 Locations



Why is Friday so low?



Mature Bull Production

- ▶ Collected 2 to 3 days per week
 - 2 to 3 ejaculates per day
- ▶ “Average” bull produces ~ 1,850 doses per week ~ 100,000 per yr



Young Sire Production

MCNULTY
001JE00895

FARIA BROTHERS MCNULTY
003012576091

Program: X

Goal 1900
Total BU 3785

BirthDate 9/15/2013

***** GOAL HAS BEEN MET *****
*

Comment →

Date	QCN	Age	BU's	Ejac#	Sperm	Discard Reason	Ejaculate Comments	Morphology
8/5/2014	866792	46		1			shy	0-0-0=0
8/7/2014	866794	46		1			DID NOT WORK	0-0-0=0
8/12/2014	866799	47	136	1	3.7		Early Quantum	2-3-7=12
8/14/2014	876801	47		1	0.0	DI:TS	QUANTUM E	4-3-2=9
8/19/2014	876806	48		1	0.0			0-0-0=0
8/21/2014	876808	48	275	1	8.5		QUANTUM E	2-2-2=6
8/26/2014	886813	49	161	1	4.5		QUANTUM E	2-4-3=9
8/28/2014	886815	49	113	1	4.0		QUANTUM E	0-4-4=8
9/4/2014	896822	50	172	1	4.7		QUANTUM E	3-2-2=7
9/9/2014	896827	51		1			NOT ATTEMPTED	0-0-0=0
9/11/2014	896829	51	465	1	6.7		QUANTUM E	0-0-0=0
9/11/2014	896829	51		2	5.1		QUANTUM E	0-0-0=0
9/16/2014	806834	52	399	1	7.4		QUANTUM E	0-0-0=0
9/16/2014	806834	52		2	2.7		QUANTUM E	0-0-0=0
9/18/2014	806836	52	434	1	6.5		QUANTUM E	0-0-0=0
9/18/2014	806836	52		2	4.7		QUANTUM E	0-0-0=0

