

A herd of deer is gathered on a grassy hill. The deer are of various sizes, including several adults and many fawns. They are looking in various directions, some towards the camera. The background is a clear, light purple sky. The overall scene is peaceful and natural.

Northern Region Focus Farm Fieldday – June 3, 2009

Breeding Programme update

2009 AI and mating at

David Dewar's property

Scanning Results 2009

Mob	AI/Early	Backup	NVP	Total
Pink	32	9	6	47
Purple	34	8	7	49
Green	35	8	5	48
Natural	23	31	10	64
Total	124	56	28	208

Scanning Results 2009

- Foetal Aging Slots

- 25 March >3

- 31 March 2

- 11 April 1

- Stag was removed the day before scanning

- Then there was NVP.

This is No Visible Pregnancy, it doesn't mean empty it just shows that we can't see a pregnancy.

Scanning Results 2009

- 35.94% of Naturally Mated hinds pregnant in the first slot
- AI achieved the following
 - Pink 68.09% 32
 - Purple 69.39% 34
 - Green 72.92% 35
- Our overall AI percentage was 70.14%
- Industry scanning results are back 6-10% for 2009 season

Scanning results 2009

- What does all this mean
 - If we extrapolate the natural mating % we would have only 52 of 144 hinds in fawn early
 - Through AI we have 49 extra fawns on the ground earlier (assuming zero losses)
 - If we calculate the benefit of this at 700gms per day the benefit translates into just 240 kgs of weight
 - At \$8.00 per kg that's \$ 1,920 in total

Scanning Results 2009

- What does all this mean?
 - Mean fawning date, Natural Mating 18th Nov
 - Mean fawning date, AI Mating Mobs 12th Nov
- With AI we got either >3 or 1 no 2's
- Pregnancy Rates by the 11/4 Slot
 - Natural 84.38%
 - Pink 87.23%
 - Purple 85.71%
 - Green 89.58%

AI Breeding Program Costs 2009

Cost description	Value
Xcell semen Collection	\$ 2,589.00
Xcell transfer & shipping	\$ 112.51
Elite Semen Purchase Sonny Bill 15 straws	\$ 1,687.50
Programming of 144 Hinds	\$ 4,212.40
Additional Labour at David's	\$ 337.50
Insemination Costs	\$ 2,718.00
Total Costs	\$ 11,656.91

We collected 290 straws of semen from 2 stags. We used 100 straws and the charge to the program would be just \$10.00 per straw.

Comparison to industry Metrics

- Deer Master & RWDPP Projects

- April 17 Slot

- RWDPP earliest farms achieve 91% in fawn
 - RWDPP latest farm achieved 72% but 67% after Apr 1
 - DM earliest (1, 75%) (2, 85%) (3, 81%)
 - Massey Different slots

- Our reproductive efficiency in MA hinds is 84% in natural mated hinds.

AI Breeding Program Costs 2009

- Total Costs of \$62.92 per hind
- 100 straws of in-house semen used
- Some straws of Wapiti (Lion Red) sold
- AI expenditure total \$9,060.36



Breeding Programme. Where to?

- Re-scan NVPs
- Don't scan too early and call these empty unless you intend to cull later fawning hinds.
- Do Scan though !!!
- Remember we are using AI to compare genetic "apples with apples" (synchronise)
- Purchase scanned in fawn R2 hinds (35)
- Cost benefit analysis on growth rates