P2P Advance Party

Dalmore and Lockmill Farms

Scotts Gap

Bruce and Jenny Paterson

Southland Next Gen AP Regional Workshop 2018

Dalmore and Lockmill Farms – background

- Deer farming operation
- 95.5% deer : 2% sheep : 2.5% cattle (SU basis)
- Two distinctly different farms:-
  - Dalmore 120ha intensive, flat and fertile
  - Lockmill 160ha rolling hill on clay base
- Stocking Rate:-
  - Dalmore 18 SU/ha
- - Lockmill 13 SU/ha

P2P Advance Party

Dalmore and Lockmill Farms– farm background

- Deer operation breeding, velvet and finishing
- Velvet passion but significant Venison focus
- Dalmore – Breeding velvet genetics
  - Grow all R1 velvet and venison replacements
  - Finish all venison animals
- Lockmill – Breeding venison genetics
  - Velvet stags > 2years old

P2P Advance Party

Breeding KPI's

	Dalmore	Lockmill
Scanning		
MA	96% (2017)	94% (>R4 Wapiti)
1st Calvers	90% (2017)	88% (R2 & R3 Red)
Weaning (fawns weaned: hinds mated)		
MA	88% (2017)	90%
1st Calvers	80% (2017)	85% (R2,R3 & R4)

P2P Advance Party

Dalmore finishing KPI's

- Finish 430 R1 deer
- Average kill date 7th January
- Average carcass weight 57.1kg

P2P Advance Party

Velvet KPIs

- All stag fawns taken thru to velvet at 2 years
- Average 2 year velvet weight = 3.9kg (n =89)
- Average MA (3yr +) velvet weight = 6.5kg (n= 245)

P2P Advance Party

Project Outline

Background – Copper deficiency

- Symptoms – swayback
  - bone weakness/fractures
  - pale coat colour
  - “bunny-hopping” fawns (OCD)

fawns are acutely arthritic, crippled and painful

- Primary or Secondary (high Mo, S or Fe)

P2P Advance Party

Project Result

Paddock development history

2013 August Plough

- November 4T Lime, 500kg DAP, .5 Selenium
- December Sow 1.5kg swedes with 200kg Serpentine Super

2014 January 100kgs urea

- November 4T lime, 500kg DAP, .5 Selenium
- November Drilled with kale

2015 January 150Kg urea

- November 2015 2T lime, 500kg DAP, 5 kg copper, .5 Selenium
- November Drilled with grass

2016 January 100kg Urea

- September 2T lime, 250kg DAP, 5kg copper, .5 Selenium
- Swayback in hinds / crippled fawns

2017 August 100kgs Urea

- September 250kg DAP, 5kg copper, .5 Selenium

P2P Advance Party

Project Result

- Identify cause - Soil Test

Year	pH	OlsenP	S	K
Sep 13	5.2	9	4	15
May 16	5.6	23	45	15
May 17	6.3	40	17	14
Aug 18	6.0	27	10	14

- Herbage Test

	Cu	S	Fe	Mo
May 16	9	0.55%	97	0.3
Normal range	6 -7	0.28 to 0.40%	50-60	

P2P Advance Party

Project Discussion

- No issues with swayback hinds 2017 or 2018
- No issues with fawns 2017 born
- Coincidentally S levels returned to “normal”
- Cause of high sulpur??

P2P Advance Party