

BREEDING IMPROVEMENT

Milking Goat Association Open Day 2018

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Tyndale Vets

If you do nothing, you'll go backwards

"She's dropped her yield, we're going to put her back to the billy"

"I bought him from a pedigree breeder that shows goats"

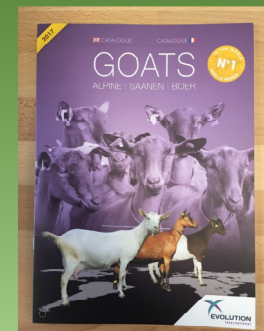
So why AI?

- Uses your best performing females
- Uses PROVEN genetics
- Disease risk and biosecurity
- This is a way of buying the best genetics cheaply and risk free



Why French semen?

- Figures based on what the buck produces from the 'average' French doe
 - Production may look lower in France but this is largely management
- Probably better genetics in France than the UK base
 - Been using PROVEN bucks for years
- Therefore results are potentially better when used in UK...why?



Worked example

- Lets say an average French doe produces 1000 litres and the buck is +100 on milk volume. His genetics must be equivalent to 1200 litres.
- Cross 1200 and 1000 litres and you get a daughter of 1100 litres, ie +100
- If UK genetics are 900 litres, 900×1200 gives a daughter of 1050 litres, ie +150.

The Procedure

- Remove cloud burst goats
- Day 0 Insert CIDR
- D9 inject PMSG and prostaglandin
- D11 remove CIDR
- 43 +/- 3hrs after removal, AI
- Critical time is removal of CIDR to AI
- Handling facilities for AI



Who to AI?

- Have they held in kid to AI before?
- Parity 2 – 4
- Last kidded 180 – 240 days ago
- History of cloudburst?
- Concurrent disease?
- Expect 45% conception rate



Is it worth it?

- £67 per offspring
- Males used for breeding in the herd
- Females cover AI cost with ↑ production
- AND females are the mothers of the next generation of super-bucks



Genomics

- Genomic testing is now available in the UK
- Genomics looks at the genetic make up of the animal
 - Predicts performance and conformation
- Can be used in conjunction with AI
 - Select your best nannies on a genetic basis as well as performance
 - Test the males born to keep only the best

