

Utilising Electronic Tagging, Automatic Drafting and Smart Shepherd Technologies

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KG LIVESTOCK SERVICES

Covering

- My background
- Electronic ID tags
- EID equipment
- Auto drafters
- Smart Shepherd proximity sensor collars

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What Are Electronic (EID) Tags

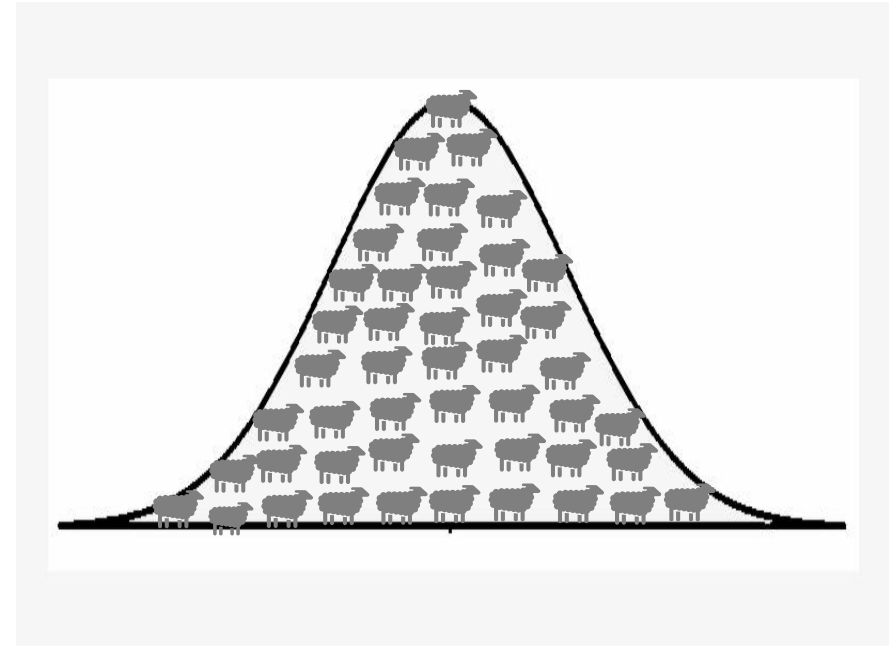
- Contain RFID chip
- Static, do nothing until prompted
- Do NOT store information
- Can be NLIS accredited



(A few of) The Benefits of EID

- Individual animal data
 - Move away from mob based management and averages
- Measure productivity and performance
- Limited resources- identify your money makers
- Management benefits
- Already collecting data? Quicker, reduce errors

- Good excuse to buy an auto-drafter!



Equipment Required to A) Read Tags and B) Collect Data

TAG READERS

- Portable
 - Wand
 - Stick reader
- Fixed
 - Panel reader with antenna



DATA COLLECTION

- Indicator
- Scale/ weigh head



Auto Drafters

- Automated sorting of animals, individually
- 3 or 5 way draft depending on model
- Generally weight based drafting
- Can fit EID equipment for advanced drafting
- 2 general types available
 - Crate or
 - Immobiliser



Crate Auto Drafters

FEATURES

- Great for quick drafting
- Basic functions- weight based drafting
- Can fit EID equipment for advanced drafting



LIMITATIONS

- Can't immobilise and access animals for husbandry activities
- Require air and/ or power

Immobiliser/ Sheep Handler Auto Drafters

FEATURES

- Ability to access animals for husbandry procedures
- Can tip for crutching, hoof access
- Can fit EID equipment for advanced drafting

LIMITATIONS

- Slower due to immobilising
- Risk of mis-weighs
- Require air and/ or power

Can get manual draft handlers as well
i.e. Combi Clamp



Manual Draft/ Bulk Handlers



Te-Pari Auto Draft in action

- Drafting three ways
 - Left: “group= Nucleus”
 - Straight: other black and white tags
 - Right: other red and blue tags
- Tru-Test XR5000 Indicator and XRP2 Panel Reader



Remember- an auto drafter is only as good as its lead up!

If the sheep wont run well, its not going to be any use to you

Try in multiple places in yards before making permanent

Smart Shepherd

BLUETOOTH PROXIMITY SENSORS

- Determine maternal pedigree
- One each for ewes and lambs
- 48 hours on
- Lambs up to 10 weeks age
- \$4.40/ collar

(Lambs 10+ weeks, 72 hours on, \$4.90/ collar)



Parting Comments

Electronic Tagging:

- Start EID tagging lambs now
- Equipment- start with the basics
- Hire or borrow the rest

Auto Drafters:

- Go to a major field day (i.e. Dowerin) and see them all
- Simpler may suit better
- Get the lead up right before building in to yards

Smart Shepherd:

- Measure maternal efficiency (kg lamb weaned)
- Follow through from scanning to weaning- does she raise what she conceives?

Thankyou.

Questions?

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