

# meatup

FORUM

For the latest in red meat R&D

# **Precision Technology**

## *Getting the most out of your EID systems*

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Moses & Son Woolbroking

# Today's Presentation

- ❑ What EID technology is available to commercial beef and sheep producers?
- ❑ How can commercial producers implement this technology on farm? Where to start?
- ❑ What is the most important data to collect? How can producers best use this data to support production/business decisions?
- ❑ Relevant tools and resources that might be of interest to producers
- ❑ Top 3 take home messages

# What is Precision Livestock Management

**Precision Livestock Management (PLM)** focuses on **managing individual and groups** of animals to **take advantage of the large variation** between animals within a Flock/Herd.







# What is EID Technology

The Tool: Traditional  
Methods



The Destination:  
Increase -  
Profitability  
Productivity



The Tool: EID  
Systems





# The Flintstone Tools



24.4.2014  
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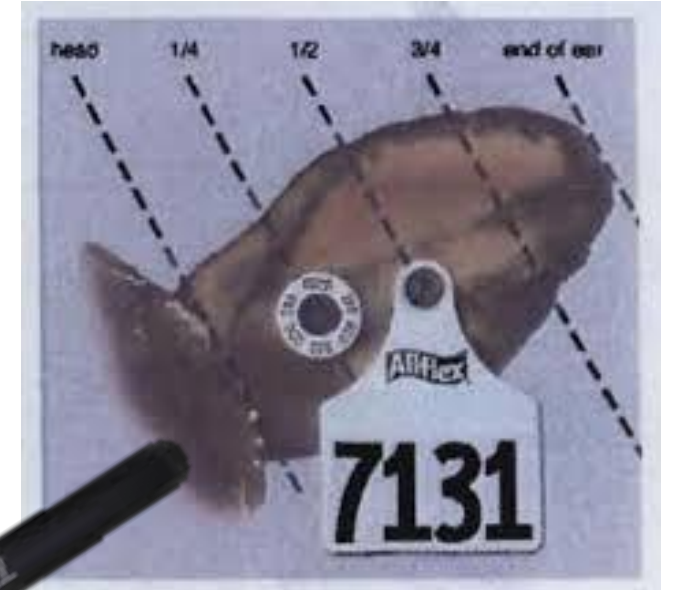
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9.10 9A2Lx	59005	59023	1095011	
9.12 0K26AB	59006	59058	108911	
11.01 0H21V	59007	59056	109858	
12.06 0K26W	59008	59019	1089118	
19.09 0H28S0	59009	59015	1090108	
21.04 0H28U	59010	59017	1086014	
28.06 0K26H	59011	59017	1090108	
31.06 0K26W	59012	59065	1099118	
33.04 0H28M	59013	59050	1089118	
35.06 0K26V	59014	59014	1093818	
37.04 0K26H	59015	59014	1093711	
40.05 0K26	59016	59012	1090118	







# The Aston Martin Tools









## Important Data

- Do you have a S.M.A.R.T Breeding Objective?
- Do you have a 10, 5 and 3 year Business Plan/Goals?

**Key traits for your business**



USING THE DATA

Pregnancy Scanning – Meirno  
ewes

USING THE DATA

Self Replacing Merino Ewe

Enterprise – Replacement ewe  
selection

# Withing Flock Variation



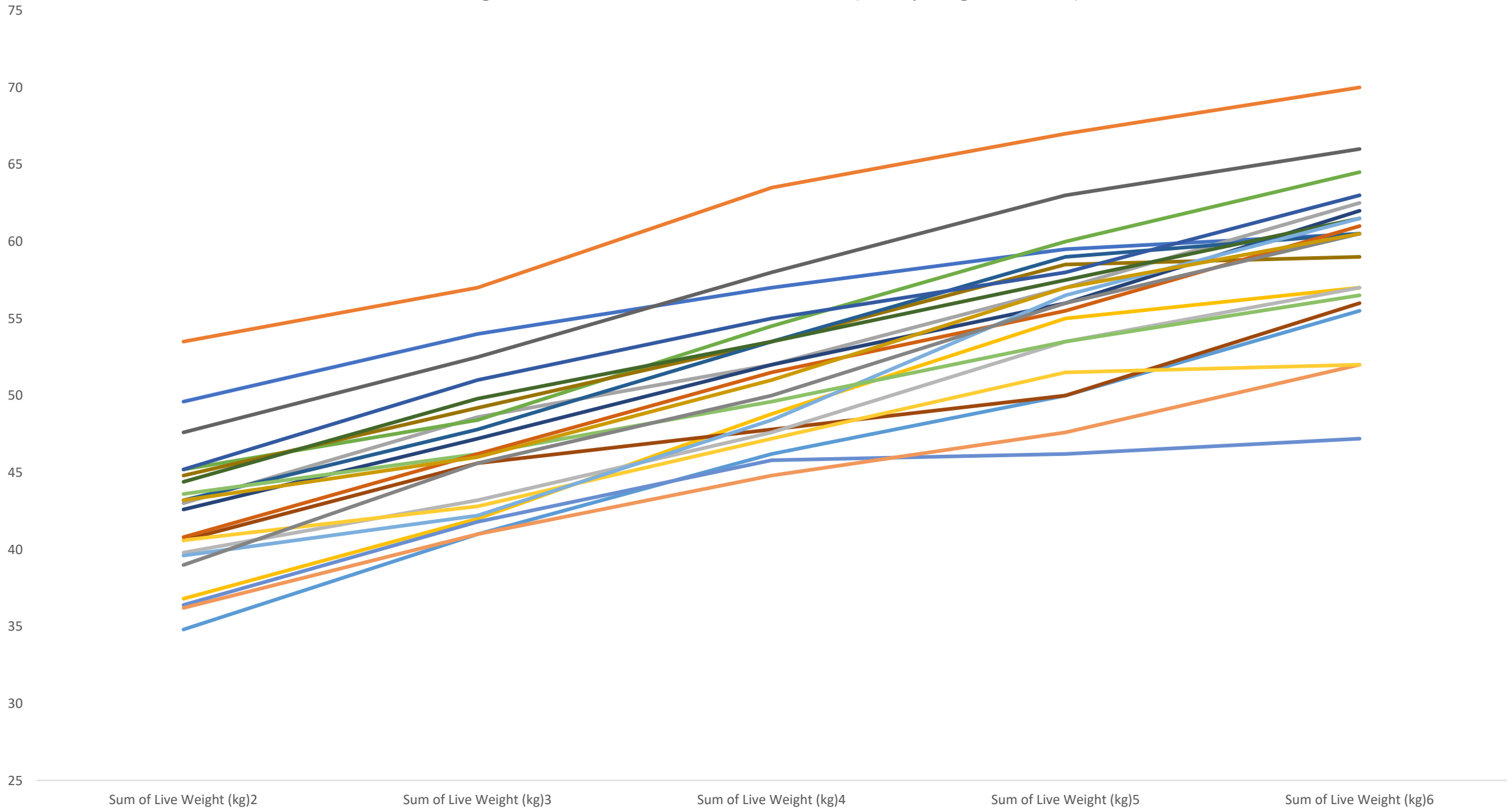


	Average of GFW	Average of FD	Average of WT	Average of Clean Fleece Value
Cull (285)	4.7kg	19.6um	59.6kg	\$ 58.60
Keep (1003)	5.4kg	18.9um	62.2kg	\$ 69.12
<b>Difference</b>	<b>+0.7kg</b>	<b>-0.7um</b>	<b>+2.6 kg</b>	<b>+ \$10.52</b>

# USING THE DATA - Feedlot Lamb Enterprises

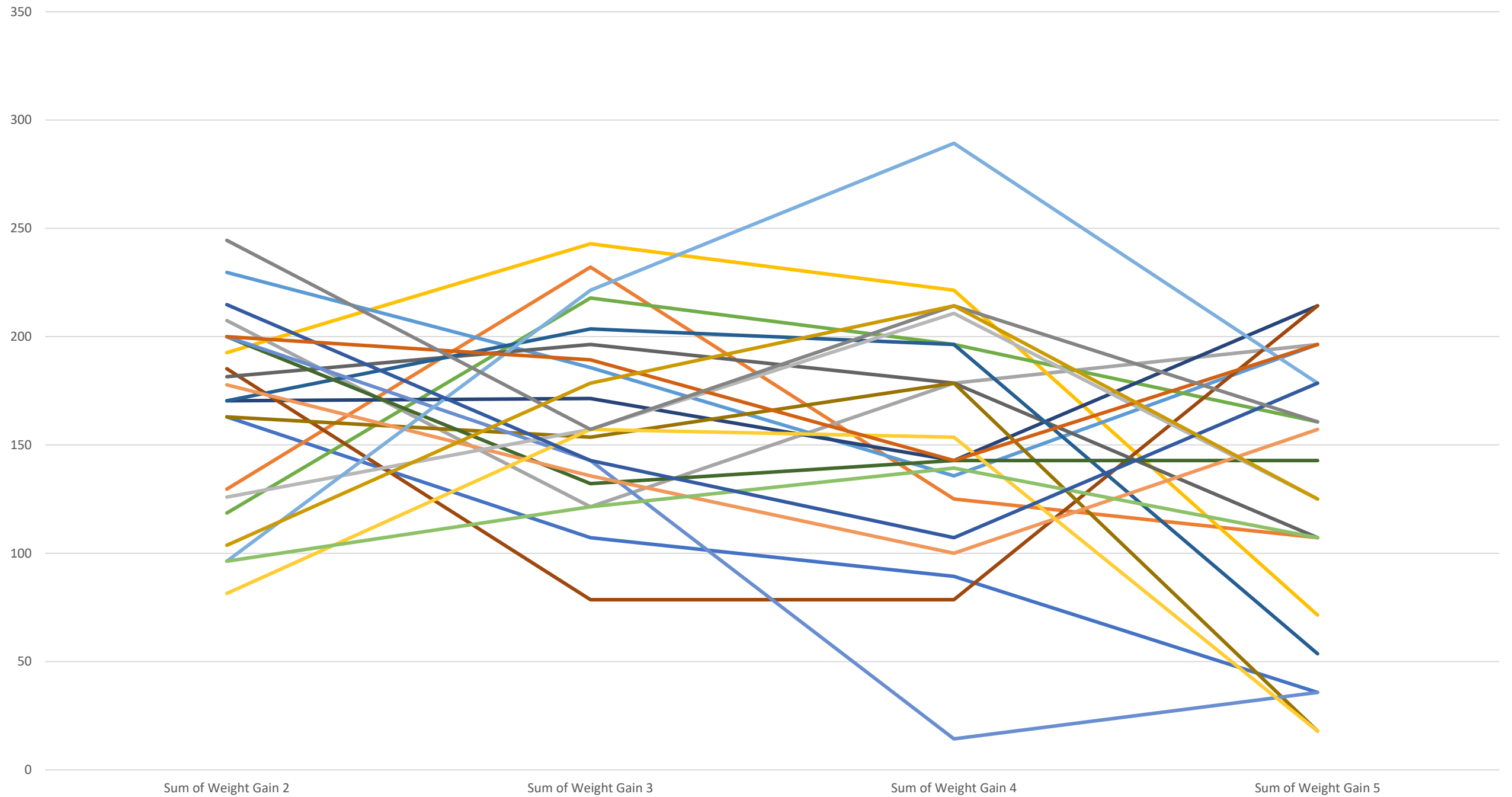
Merino Wethers

Weight Gain of Merino Wether Lambs 2020 (28 day weight Intervals)

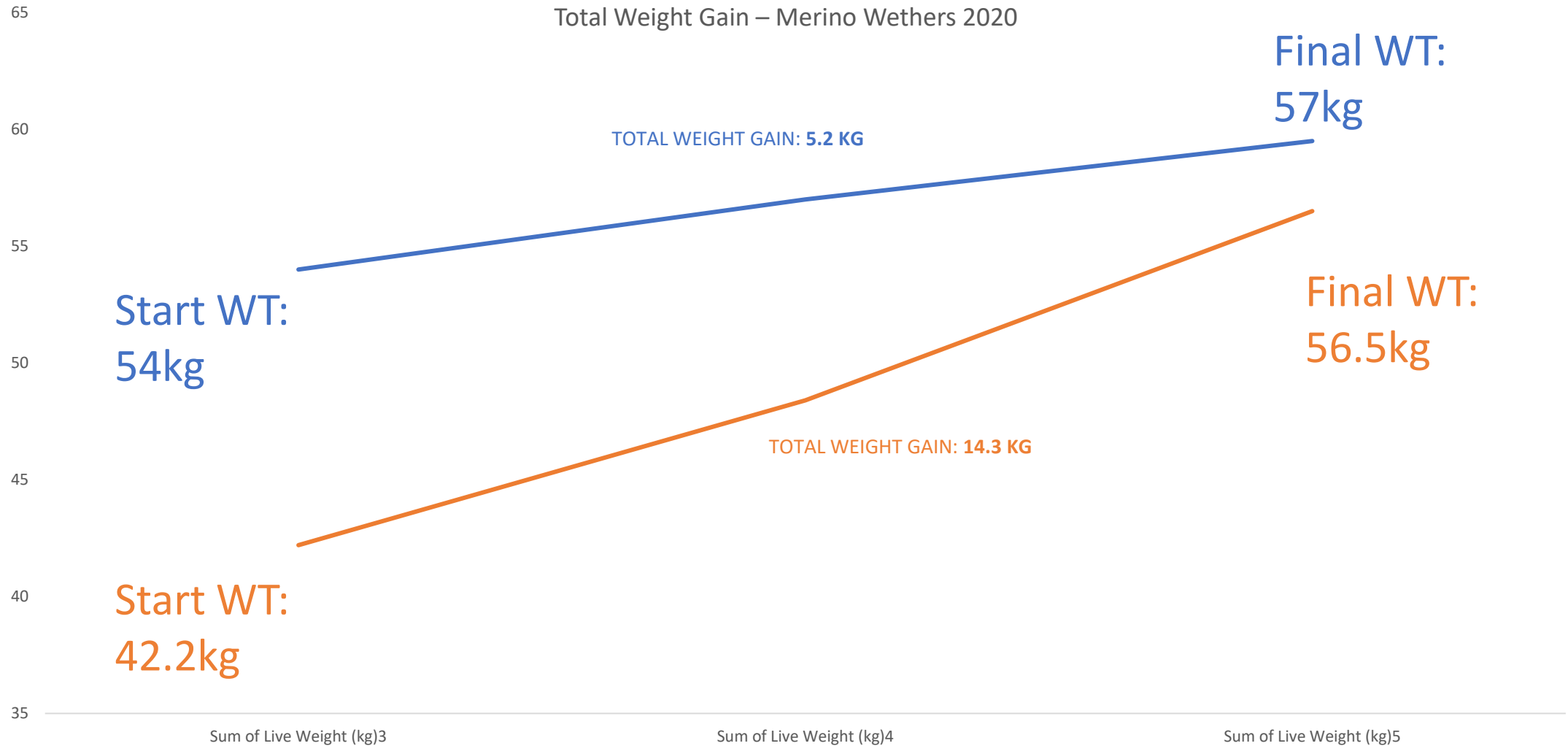




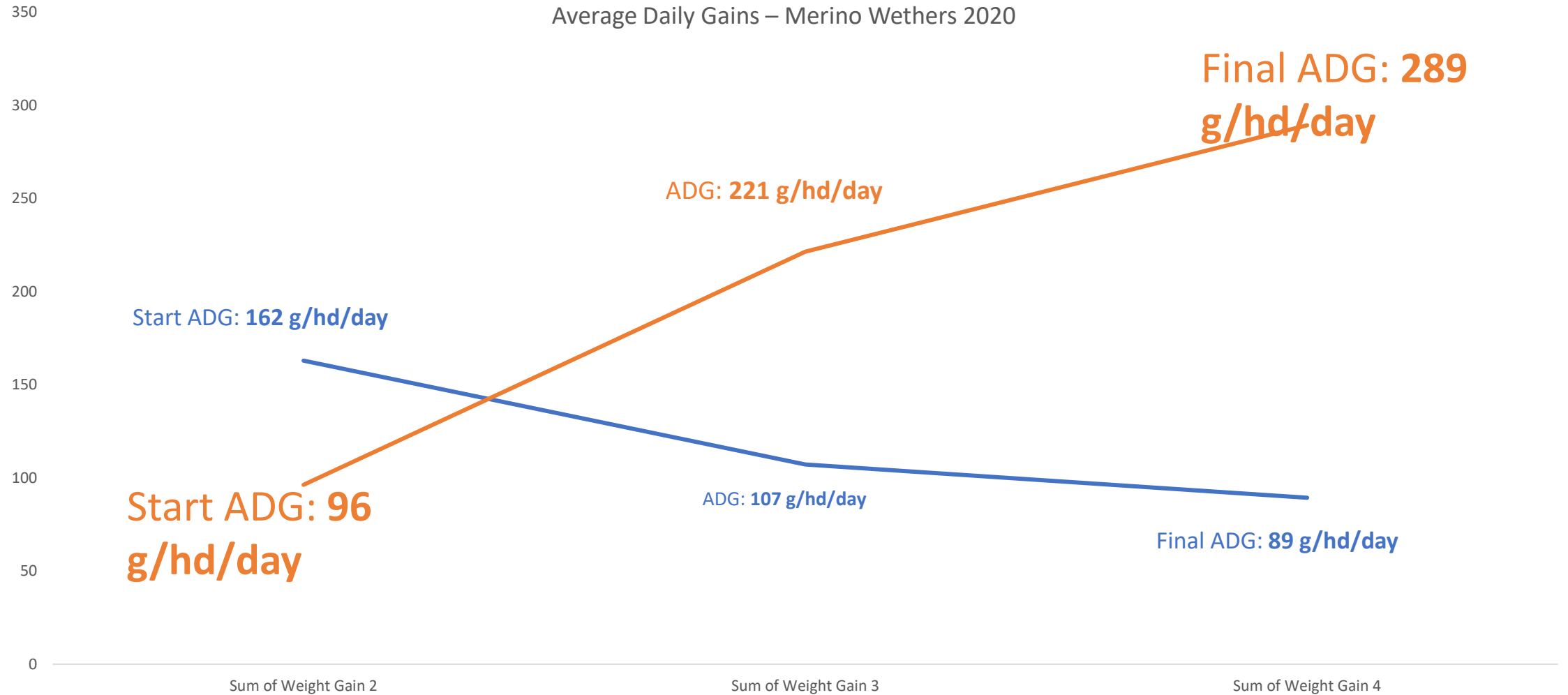
Average Daily Gains of Merino Wether Lambs 2020



# Total Weight Gain – Merino Wethers 2020



# Average Daily Gains – Merino Wethers 2020



**Labour and Feed Costs = \$36.96/head  
56 days in the feedlot**

## Self Replacement – Sire Selection Tools

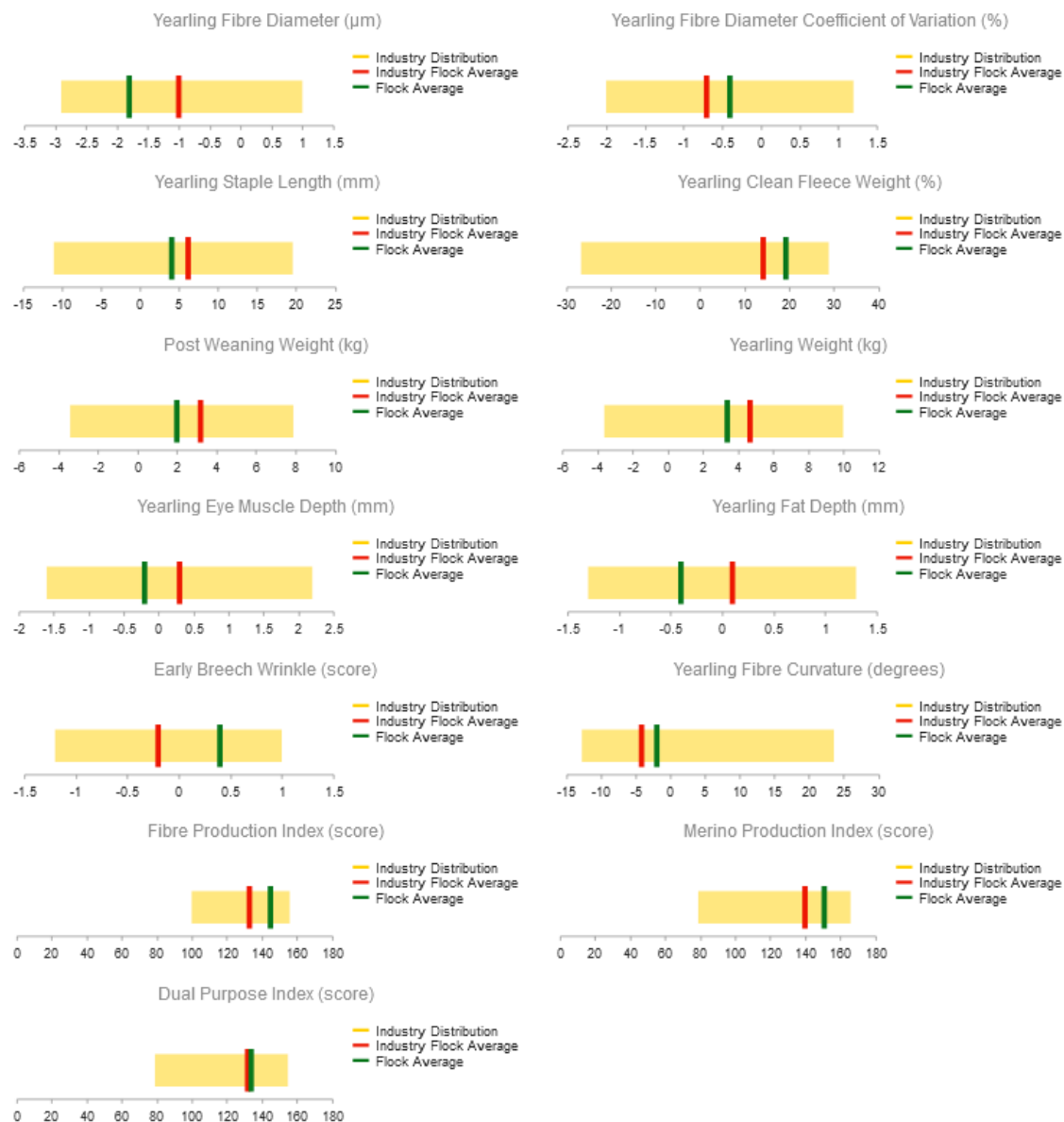
- Sheep Genetics & Ram Select
- DNA Tool Stimulation Project – MLA, MerinoLink, Sally Martin Consulting, UNE, DPI.



## Flock Profile – Merino Only

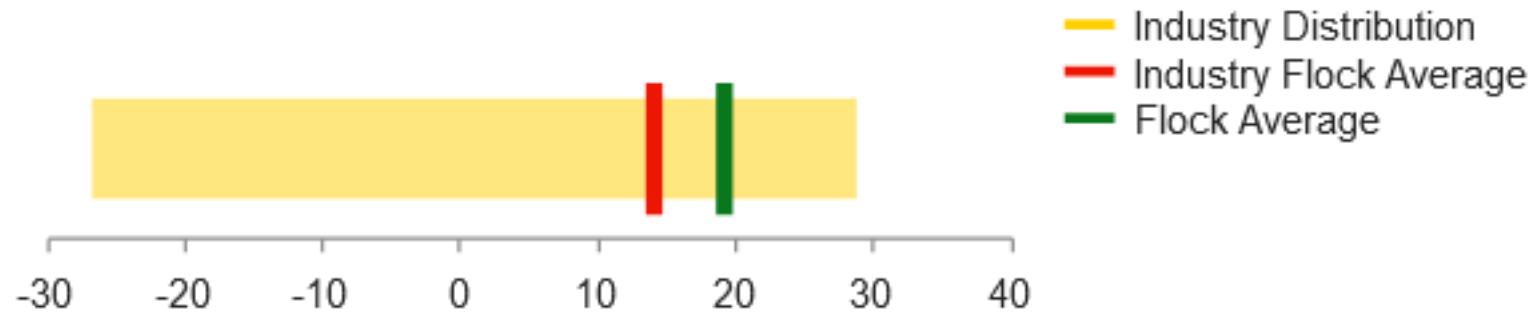
- DNA Sample 20 (Unclassed) ewes weaning or yearling
- Genomic test
  - Relation to the resource flock
- Flock profile

YFD  
 YFDCV  
 YSL  
 YCFW  
 PWT  
 YWT  
 YEMD  
 YFAT  
 EBWR  
 YCURV  
 FP Index  
 MP Index  
 DP Index

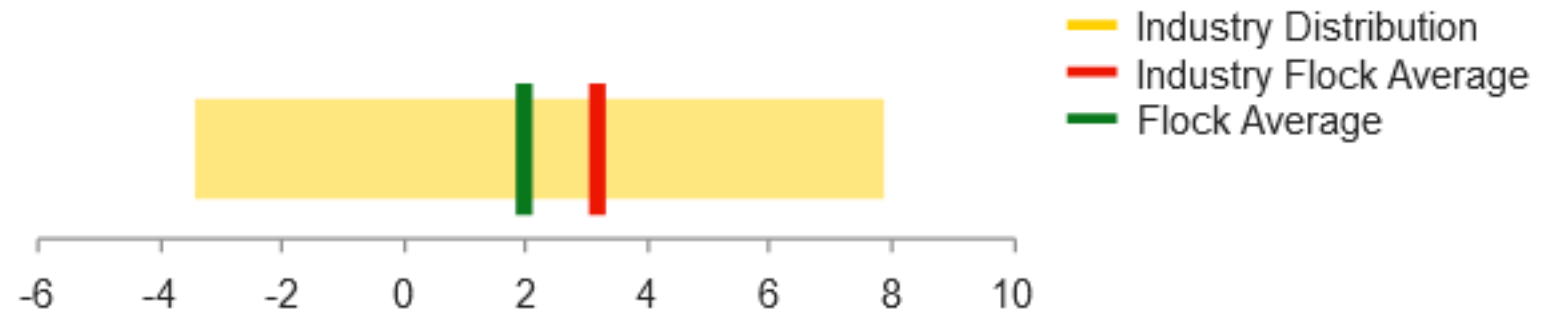


# YCFW & PWT – Flock Profile

Yearling Clean Fleece Weight (%)

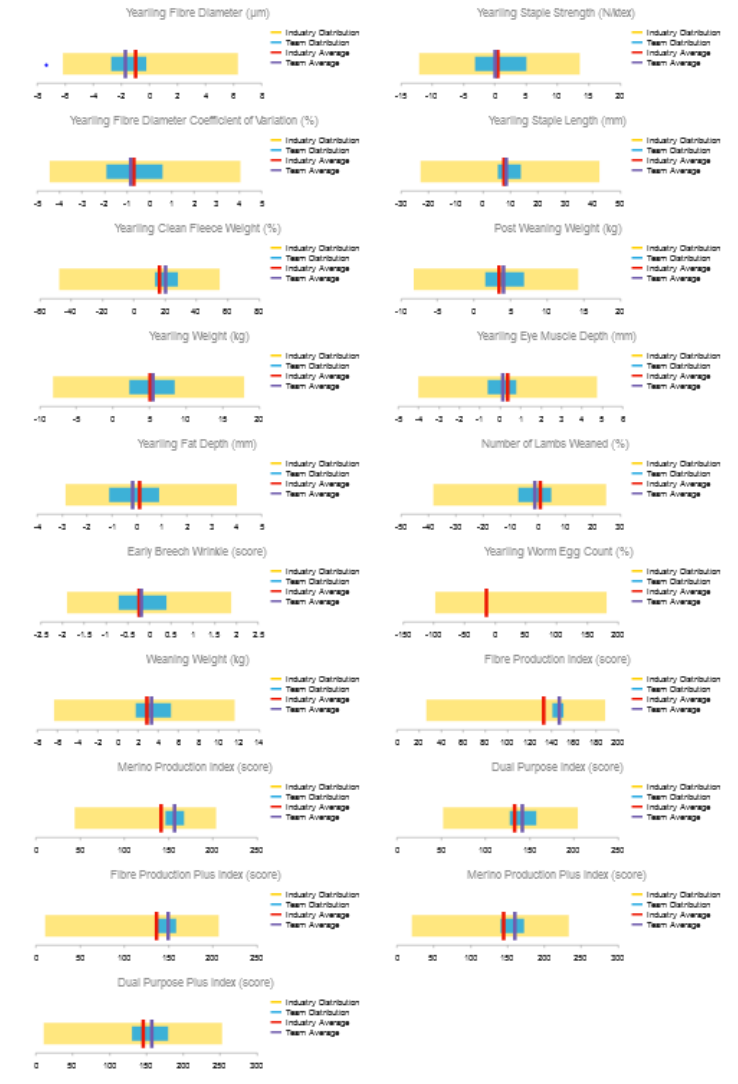


Post Weaning Weight (kg)



# Ram Select – Ram team Manager

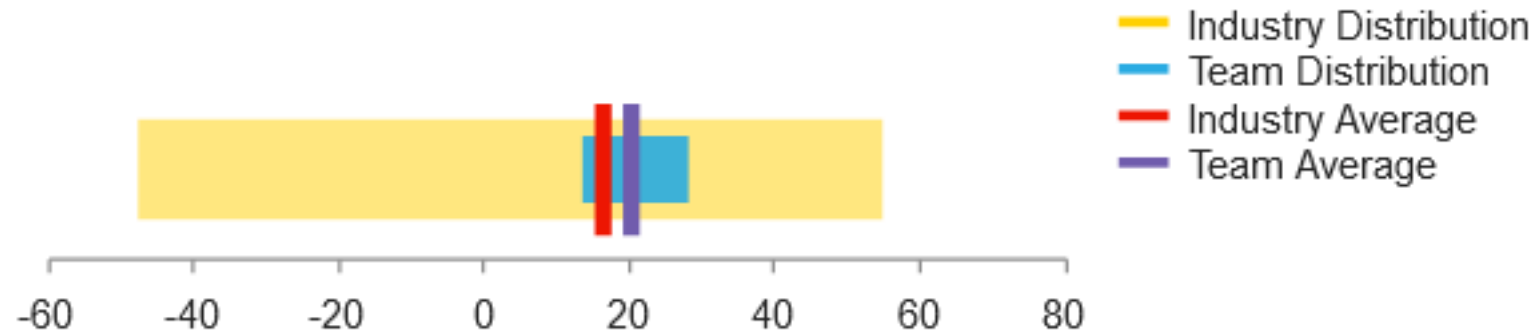
- Benchmark current ram team ASBV's
- Industry Range Vs Ram Team Range
- Industry Average Vs Ram Team Average



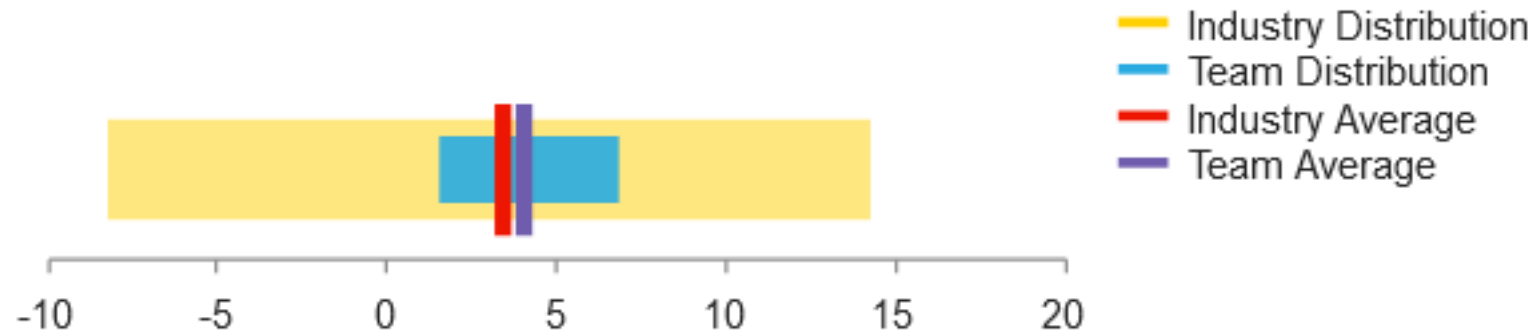


# YCFW & PWT - Ram Select Ram Team Manager

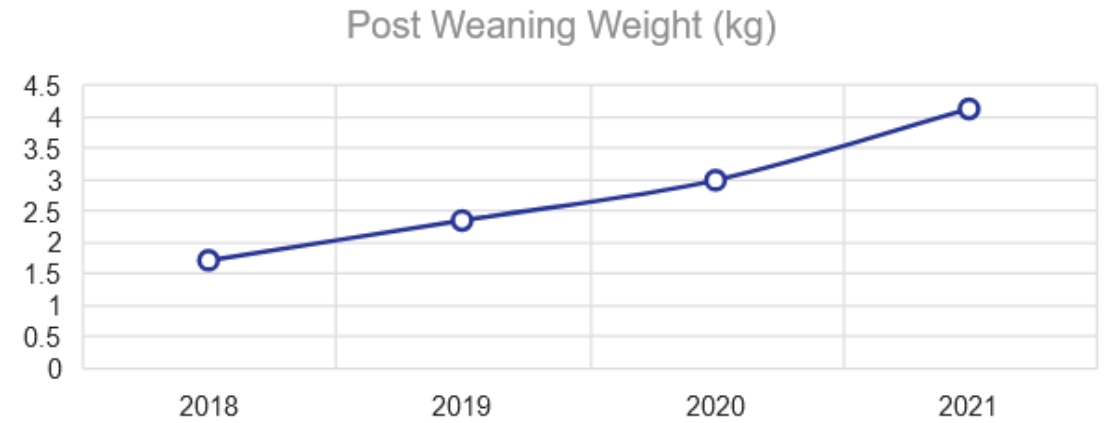
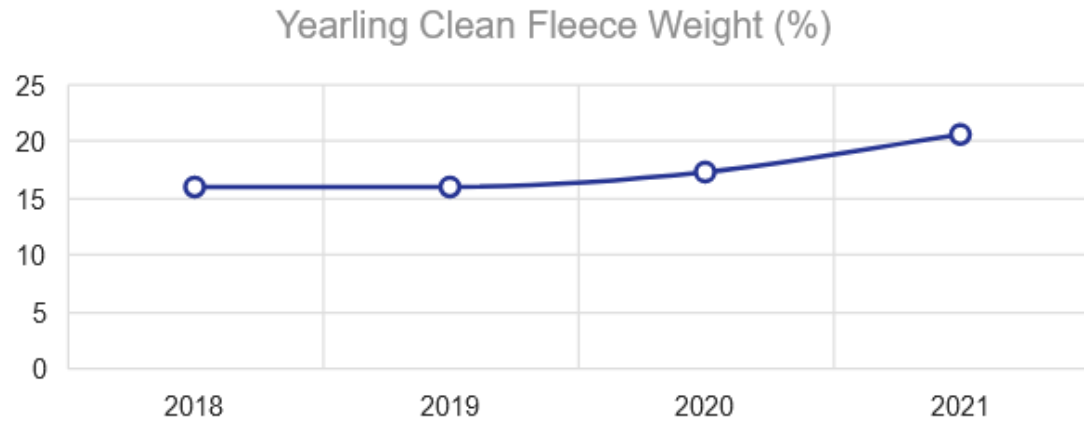
Yearling Clean Fleece Weight (%)



Post Weaning Weight (kg)



# YCFW & PWT – Genetic Trend Ram Select



# Take Home Messages

- Have a clear objective
- Measure the important traits
- **USE THE DATA**

