



Huddlestone Farmers LTD

H. Mascol Steffi EX96 (8E)



Keith Gue

Huddlestone Farmers Limited.

A Bit about me...



Huddlestone Farmers Ltd

~2350 Acres

1250 owned

650 owned in Berwickshire

150 rented in West Sussex

300 contract farmed in West Sussex

HFL Dairy:

450 Cows on Arla - Tesco

Thakeham Dairy:

220 Cows on Muller - M&S

Sheep: 300 North Country Mules

Arable: 1000 Acres of Combinable Crops

Commercial & Residential Lets



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Cows at Huddlestone



450 Holsteins

12,224Ltrs 305d Milk @ 4.59%F & 3.48%P

3.07Kg CFP per Cow/Day

1121kg CFP/Cow/Year

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Thakeham CFA Expansion

Two Dairies is harder than 1 Dairy!
Two Contracts is harder than 1 contract!

But...

220 Cows, 4 Robots installed Feb 2024
#5 PLI Herd in the UK
Very Much still a work in progress



Genetics at Huddlestone

- #2 PLI Herd in the UK
- Breeding Goals: £PLI+
- ~150 Embryos made per year
 - ~£60-£100 per egg implanted
- Test ~20-30 bulls per year but contracts are starting to make life tricky!



Huddlestone Applejax F Steffi
EX94 (2E 4 Calves) & -1.65TM

Holstein Type		UK Type		PTAT2025 (4/25)				G			
TM	-1.64	66% Rib		Daughters (UK)		0	Herds (UK)		0		
Trait		-3	-2	-1	0	+1	+2	+3	Value		
Type Merit	Poor	<div></div>								Excellent	-1.64
Mammary	Poor	<div></div>								Excellent	-0.67
Legs & feet	Poor	<div></div>								Excellent	-0.94
Stature	Short	<div></div>								Tall	-1.63
Chest width	Narrow	<div></div>								Wide	0.6
Body depth	Shallow	<div></div>								Deep	-1.12
Rib Structure	Tight Ribbed	<div></div>								Open Rib	-1.43
Rump angle	High pins	<div></div>								Low pins	-1
Rump width	Narrow	<div></div>								Wide	-0.26
Rear leg side	Straight	<div></div>								Sickled	-0.27
Foot angle	Low	<div></div>								Steep	-0.23
Fore udd att	Loose	<div></div>								Tight	-0.46
Rear udder ht	Very low	<div></div>								Very high	-0.35
Udder supp	Broken	<div></div>								Strong	-1.31
Udder depth	Below hock	<div></div>								20cm above	-0.84
Front teat pl	Outside	<div></div>								Close	-1.53
Teat length	Short	<div></div>								Long	1.01
Rear teat pl	Apart	<div></div>								Close	-0.89
Teat pos side	Close	<div></div>								Apart	-0.04
Temperament	Poor	<div></div>								Good	-0.06
Ease of milk	Slow	<div></div>								Fast	-1.46
Locomotion	Poor	<div></div>								Excellent	-0.92
Cond Score	Low	<div></div>								High	2.42



Seeing is Believing!

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Our Next EX95 cow?

Holstein Type		Young Genomic Pedigree Index		Calculated 4/25					G	
TM		-2.32		53% Rib						
Trait		-3	-2	-1	0	+1	+2	+3		Value
Type Merit	Poor								Excellent	-2.32
Mammary	Poor								Excellent	-0.73
Legs & feet	Poor								Excellent	-0.53
Stature	Short								Tall	-3.05
Chest width	Narrow								Wide	-0.47
Body depth	Shallow								Deep	-2.52
Rib Structure	Tight Ribbed								Open Rib	-2.66
Rump angle	High pins								Low pins	-1.57
Rump width	Narrow								Wide	-1.94
Rear leg side	Straight								Sickled	-0.3
Foot angle	Low								Steep	-0.71
Fore udd att	Loose								Tight	-0.73
Rear udder ht	Very low								Very high	-1.05
Udder supp	Broken								Strong	-1.1
Udder depth	Below hock								20cm above	-0.24
Front teat pl	Outside								Close	-0.55
Teat length	Short								Long	-1.22
Rear teat pl	Apart								Close	-0.61
Teat pos side	Close								Apart	0.33
Temperament	Poor								Good	-0.38
Ease of milk	Slow								Fast	-0.01
Locomotion	Poor								Excellent	-0.23
Cond Score	Low								High	1.13

Morpheus x Avery x Leap x Applejax x Fantasmic x
Danillo x Boliver x Mascol x Emerson x Mtoto

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Genetic Progress

$$\Delta G = \frac{SI \times A \times V}{GI}$$

$$P = GE$$

SI = Selection Intensity
A = Accuracy

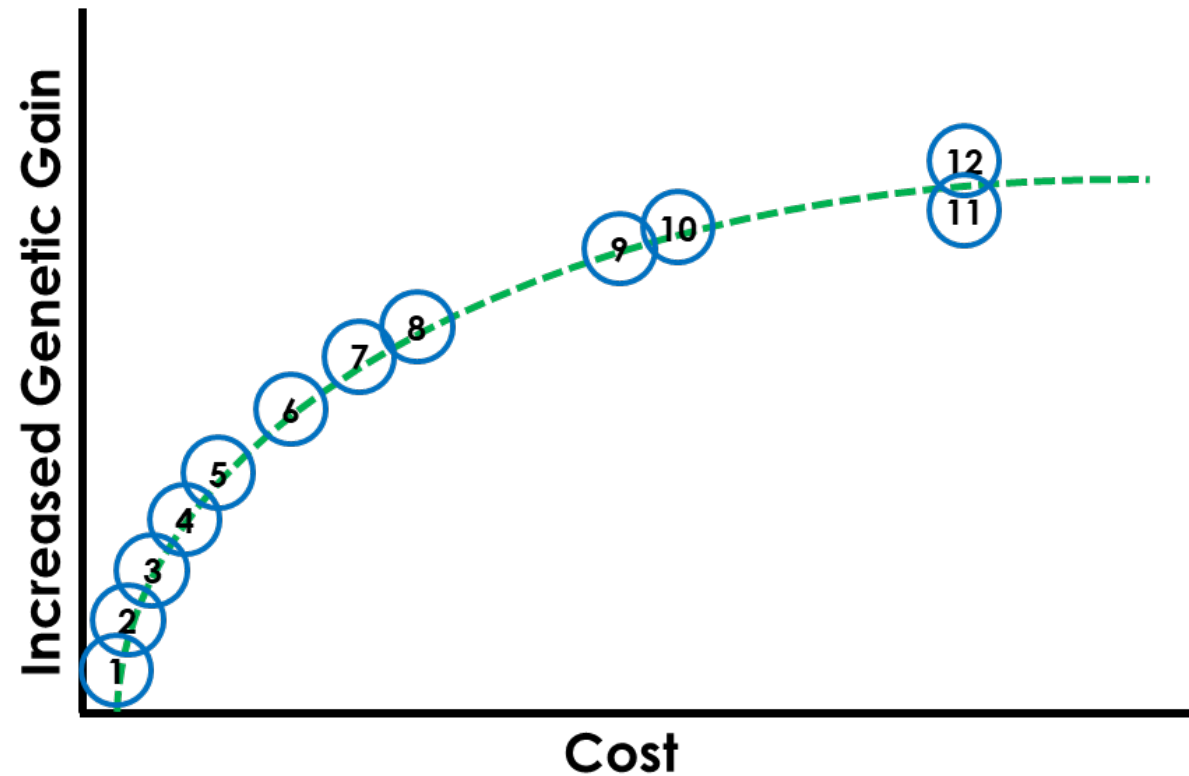
V = Variance
GI = Generation Interval

P = Phenotype
G = Genotype
E = Environment

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Genetic Progress



Tool	
1	Breeding Goal
2	Genetic Response (Environment)
3	Data Quality
4	Male Selection
5	Female Selection (Breeding Pop)
6	Reduce Age at 1 st Calving
7	Beef/Replacement Strategy
8	Sexed on Heifers
9	Sexed on Cows
10	Genomic Testing
11	MOET/IVF
12	Female Selection (Post gTest)



Genetic Summary

- Pick a goal and be consistent
 - Male, Female and over time
- $P = GE$
- Better bulls beat a genomic test every day. Invest wisely.
- Replacement planning is important and costly to get wrong.

