



TARLETON STATE UNIVERSITY

DAIRY CATTLE CDE

PEDIGREE SCENARIO

You are an Agricultural Science Teacher assisting a new FFA member in purchasing a dairy heifer. Most people told you to visually inspect the heifer for the characteristics that will make her a good show heifer. You have found 4 heifers that will work for the show ring and can purchase any of the 4 for the same price.

Most of the heifer sellers indicate that the TPI (Type Production Index) is a good way to measure genetic merit of an animal and they will pay more for a heifer with a higher TPI. The student that you are assisting will want to sell the heifer after showing her and you would expect to get more for a heifer with a higher TPI.

Rank the four heifer pedigrees based on TPI and remember the reliability (%R) affects the total score.

DO NOT WRITE ON ANY PEDIGREE PAGES



TARLETON STATE UNIVERSITY
DAIRY CATTLE CDE

PEDIGREE #1

Flashy 121
NLD 159659231 100% RHA-NA TV

TPI
+ 1602

1/19/1995

MACE YIELD EVALUATION
PTA +1532 M +96 F +63 P 85 %R 5/2002
PTA +0.18 %F +0.08 %P 0%US
PTA +569 NM +1.3 PL 3.47 SCS
MACE YIELD EVALUATION
PTA +1.37 T +1.25 UDC +2.37 FLC 92 %R 5/2002

TSU 122345
NLD 159659231 100% RHA-NA TV

TPI
+1200

1/19/1995

MACE YIELD EVALUATION
PTA +1400 M +102 F +85 P 88 %R 5/2002
PTA +0.18 %F +0.10 %P 0%US
PTA .600 NM +1.5 PL 3.5 SCS
MACE YIELD EVALUATION
PTA +1.4 T +1.3 UDC +2.5 FLC 68 %R 5/2002

FRISCO'S 123456
USA 17121078 100% RHA-NA TV

CTPI
+2000

2-06 87 VEVVV GMD DOM 9/18/1996

PTA +2300 M +110 F +90 P 73 %R 5/2002
PTA +0.06 %F +0.05 %P
PTA .700 NM -0.03 PL +3.5 SCS
PTA +1.5 T +0.59 UDC +.001 FLC 74 %R 5/2002

B-WD FRISCO-ET
USA 17121078 100% RHA-NA TV

CTPI
+ 1428

9/18/1996

2-06 87 VEVVV GMD DOM

PTA +2300 M +111 F +89 P 78 %R 5/2002
PTA +0.06 %F +0.04 %P
PTA +600 NM -0.03 PL 3.16 SCS
PTA +1.46 T +0.59 UDC -0.02 FLC 86 %R 5/2002

OKLAHOMA 125663
NLD 159659231 100% RHA-NA TV

TPI
+1265

1/19/1995

MACE YIELD EVALUATION
PTA +1396 M .68 F +63 P 87 %R 5/2002
PTA +0.18 %F +0.08 %P 0%US
PTA .652 NM +1.0 PL 3.48 SCS
MACE YIELD EVALUATION
PTA +1.37 T +1.52 UDC +2.5 FLC 88 %R 5/2002

MILK MACHINE 2256
USA 17121078 100% RHA-NA TV

CTPI
+620

2-06 87 VEVVV GMD DOM 9/18/1996

PTA +1000 M .90 F .15 P 57 %R 5/2002
PTA +0.07 %F +0.05 %P
PTA +633 NM -0.03 PL 3.5 SCS
PTA +1.5 T +0.60 UDC +.02 FLC 55 %R 5/2002



**TARLETON STATE UNIVERSITY
DAIRY CATTLE CDE**

PEDIGREE #2

CELSUIS 185
NLD 159659231 100% RHA-NA TV

TPI
+ 995

1/19/1995

MACE	YIELD	EVALUATION					
PTA	+1400 M	+98	F	+65	P	68 %R	5/2002
PTA		+0.18	%F	+0.08	%P	0%US	
PTA	+580 NM	+1.4	PL	3.47	SCS		
MACE	YIELD	EVALUATION					
PTA	+1.4 T	+1.5	UDC	+2.37	FLC	74 %R	5/2002

TEXAS FLASH 134
USA 17121078 100% RHA-NA TV

CTPI
+ 1123

9/18/1996

MACE	YIELD	EVALUATION					
PTA	+2300 M	+95	F	+89	P	69 %R	5/2002
PTA		+0.06	%F	+0.04	%P		
PTA	+622 NM	-0.03	PL	3.16	SCS		
MACE	YIELD	EVALUATION					
PTA	+1.50 T	+0.59	UDC	-0.05	FLC	73 %R	5/2002

DFA 123WC
NLD 159659231 100% RHA-NA TV

TPI
+1800

1/19/1995

MACE	YIELD	EVALUATION					
PTA	+1325 M	+102	F	+85	P	99 %R	5/2002
PTA		+0.18	%F	+0.10	%P	0%US	
PTA	+652 NM	+1.5	PL	3.5	SCS		
MACE	YIELD	EVALUATION					
PTA	+4 T	+2	UDC	+3.2	FLC	62 %R	5/2002

GOLDEN'S 322663
USA 17121078 100% RHA-NA TV

CTPI
+1665

9/18/1996

MACE	YIELD	EVALUATION					
PTA	+300 M	+111	F	+90	P	74 %R	5/2002
PTA		+0.06	%F	+0.05	%P		
PTA	+600 NM	-0.03	PL	+3.5	SCS		
MACE	YIELD	EVALUATION					
PTA	+1.8 T	+0.59	UDC	+0.02	FLC	76 %R	5/2002

99 14455
NLD 159659231 100% RHA-NA TV

TPI
+1252

1/19/1995

MACE	YIELD	EVALUATION					
PTA	+1396 M	.68	F	+63	P	65 %R	5/2002
PTA		+0.18	%F	+0.08	%P	0%US	
PTA	.652 NM	+1.0	PL	3.48	SCS		
MACE	YIELD	EVALUATION					
PTA	+1.37 T	+1.52	UDC	+2.5	FLC	66 %R	5/2002

WOOD'S 6655
USA 17121078 100% RHA-NA TV

CTPI
+888

9/18/1996

MACE	YIELD	EVALUATION					
PTA	+255 M	+90	F	+15	P	57 %R	5/2002
PTA		+0.07	%F	+0.05	%P		
PTA	+652 NM	-0.03	PL	3.5	SCS		
MACE	YIELD	EVALUATION					
PTA	+1.3 T	+5	UDC	-01	FLC	55 %R	5/2002



TARLETON STATE UNIVERSITY
DAIRY CATTLE CDE

PEDIGREE #3

WINNER
NLD 159659231 100% RHA-NA TV

TPI
+ 1009

1/19/1995

MACE	YIELD	EVALUATION					
PTA	+1325 M	+65 F	+63 P		93 %R	5/2002	
PTA		+0.18 %F	+0.08 %P		0%US		
PTA	+625 NM	+1.4 PL	3.47	SCS			
MACE	YIELD	EVALUATION					
PTA	+2.5 T	+1.25 UDC	+2.37 FLC		76 %R	5/2002	

JUSTIN'S 3325
NLD 159659231 100% RHA-NA TV

TPI
+1235

1/19/1995

MACE	YIELD	EVALUATION					
PTA	+1200 M	+96 F	+80 P		90 %R	5/2002	
PTA		+0.18 %F	+0.10 %P		0%US		
PTA	+650 NM	+1.5 PL	3.5	SCS			
MACE	YIELD	EVALUATION					
PTA	+1.3 T	+1.4 UDC	+1.0 FLC		85 %R	5/2002	

WESTERN 3325
USA 17121078 100% RHA-NA TV

CTPI
+1225

9/18/1996

2-06 87 VEVVV		GMD DOM					
PTA	+2300 M	+110 F	+90 P		72 %R	5/2002	
PTA		+0.06 %F	+0.05 %P				
PTA	.700 NM	-0.03 PL	+3.5	SCS			
PTA	+1.5 T	+0.59 UDC	+0.01 FLC		75 %R	5/2002	

VALLEY GIRL 3855
USA 17121078 100% RHA-NA TV

CTPI
+ 1212

9/18/1996

2-06 87 VEVVV		GMD DOM					
PTA	+668 M	+113 F	+92 P		68 %R	5/2002	
PTA		+0.06 %F	+0.04 %P				
PTA	+325 NM	-0.03 PL	3.215	SCS			
PTA	+2.6 T	+0.36 UDC	-0.02 FLC		70 %R	5/2002	

DSS 1235
NLD 159659231 100% RHA-NA TV

TPI
+1100

1/19/1995

MACE	YIELD	EVALUATION					
PTA	+1396 M	.68 F	+63 P		87 %R	5/2002	
PTA		+0.18 %F	+0.08 %P		0%US		
PTA	.652 NM	+1.0 PL	3.48	SCS			
MACE	YIELD	EVALUATION					
PTA	+1.37 T	+1.52 UDC	+2.5 FLC		88 %R	5/2002	

JONES 3365
USA 17121078 100% RHA-NA TV

CTPI
+652

9/18/1996

2-06 87 VEVVV		GMD DOM					
PTA	+1000 M	.90 F	.15 P		58 %R	5/2002	
PTA		+0.07 %F	+0.05 %P				
PTA	+633 NM	-0.03 PL	3.5	SCS			
PTA	+1.5 T	+0.60 UDC	+0.02 FLC		66 %R	5/2002	



**TARLETON STATE UNIVERSITY
DAIRY CATTLE CDE**

PEDIGREE #4

GREEN PRIDE 1655

NLD 159659231 100% RHA-NA TV

MACE	YIELD	EVALUATION						
PTA	+1352 M	+90	F	+65	P	79 %R	5/2002	
PTA		+0.18 %F		+0.08 %P		0%US		
PTA	+596 NM	+1.4	PL	3.47	SCS			
MACE	YIELD	EVALUATION						
PTA	+1.4 T	+1.3	UDC	+2.37	FLC	70 %R	5/2002	

TPI
+ 1350

1/19/1995

MILLER 366
NLD 159659231 100% RHA-NA TV

MACE	YIELD	EVALUATION						
PTA	+1400 M	+102	F	+85	P	90 %R	5/2002	
PTA		+0.18 %F		+0.10 %P		0%US		
PTA	.600 NM	+1.5	PL	3.5	SCS			
MACE	YIELD	EVALUATION						
PTA	+1.4 T	+1.3	UDC	+2.5	FLC	69 %R	5/2002	

TPI
+1255
1/19/1995

GOLDEN PRIDE 985
USA 17121078 100% RHA-NA TV
2-06 87 VEVVV GMD DOM

PTA	+2300 M	+110	F	+90	P	75 %R	5/2002
PTA		+0.06 %F		+0.05 %P			
PTA	.700 NM	-0.03	PL	+3.5	SCS		
PTA	+1.5 T	+0.59	UDC	+0.01	FLC	80 %R	5/2002

CTPI
+1885
9/18/1996

BCD 3655

USA 17121078 100% RHA-NA TV
2-06 87 VEVVV GMD DOM

PTA	+1325 M	+123	F	+90	P	68 %R	5/2002
PTA		+0.06 %F		+0.04 %P			
PTA	+667 NM	-0.03	PL	3.16	SCS		
PTA	+1.54 T	+0.59	UDC	+0.01	FLC	68 %R	5/2002

CTPI
+ 1556

9/18/1996

JKL 6895
NLD 159659231 100% RHA-NA TV

MACE	YIELD	EVALUATION						
PTA	+1396 M	.68	F	+63	P	87 %R	5/2002	
PTA		+0.18 %F		+0.08 %P		0%US		
PTA	.652 NM	+1.0	PL	3.48	SCS			
MACE	YIELD	EVALUATION						
PTA	+1.37 T	+1.52	UDC	+2.5	FLC	88 %R	5/2002	

TPI
+965
1/19/1995

MM 658
USA 17121078 100% RHA-NA TV
2-06 87 VEVVV GMD DOM

PTA	+1120 M	+90	F	+15	P	57 %R	5/2002
PTA		+0.07 %F		+0.05 %P			
PTA	+634 NM	-0.03	PL	3.5	SCS		
PTA	+1.4 T	+0.60	UDC	+0.02	FLC	55 %R	5/2002

CTPI
+1252
9/18/1996



TARLETON STATE UNIVERSITY
DAIRY CATTLE CDE
 PEDIGREE SOLUTION

	<u>AVG %R</u>	<u>TPI</u>	<u>POINTS</u>	<u>Rank</u>	<u>Placing</u>
PEDIGREE #1	88.5	1602	1418	<u>1</u>	1 - 4 - 3 - 2
	82.0	1428	1171		
			<u>2589</u>		
PEDIGREE #2	71.0	995	706	<u>4</u>	Cuts 3 - 4 - 2
	71.0	1123	797		
			<u>1504</u>		
PEDIGREE #3	84.5	1009	853	<u>3</u>	
	69.0	1212	836		
			<u>1689</u>		
PEDIGREE #4	74.5	1350	1006	<u>2</u>	
	68.0	1556	1058		
			<u>2064</u>		