



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 #2

CELSUIS 185

NLD 159659231 100% RHA-NA TV

MACE	YIELD	EVALUATION						
PTA	+1400 M	+98 F	+65 P			70 %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			70 %R	5/2002	

TEXAS FLASH 134

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

PTA	+2300 M	+95 F	+89 P			70 %R	5/2002
PTA		+0.06 %F	+0.04 %P				
PTA	+622 NM	-0.03 PL	3.16 SCS				
PTA	+1.50 T	+0.59 UDC	-0.05 FLC			70 %R	5/2002

DFA 123WC

NLD 159659231 100% RHA-NA TV

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
2-06 87 VEVVV GMD DOM

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				
PTA	+1.8 T	+0.59 UDC	+0.02 FLC			76 %R	5/2002

99 14455

NLD 159659231 100% RHA-NA TV

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
2-06 87 VEVVV GMD DOM

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				
PTA	+1.3 T	+5 UDC	-0.1 FLC			55 %R	5/2002

TPI
+1800

1/19/1995

TPI
+ 1300

1/19/1995

5/2002

5/2002

CTPI
+1665

9/18/1996

5/2002

5/2002

5/2002

TPI
+1252

1/19/1995

CTPI
+ 1200

9/18/1996

5/2002

5/2002

CTPI
+888

9/18/1996

5/2002

5/2002

5/2002



**TARLETON STATE UNIVERSITY
DAIRY CATTLE CDE**

PEDIGREE #3

WINNER

NLD 159659231 100% RHA-NA TV
 MACE YIELD EVALUATION
 PTA +1325 M +65 F +63 P 90 %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 92 %R 5/2002

TPI
 + 1600

1/19/1995

CTPI

JUSTIN'S 3325

NLD 159659231 100% RHA-NA TV
 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

TPI
 +1235

1/19/1995

CTPI
 +1225

WESTERN 3325

USA 17121078 100% RHA-NA TV
 2-06 87 VEVVV GMD DOM 9/18/1996
 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 +.001 FLC 75 %R 5/2002

VALLEY GIRL 3855

USA 17121078 100% RHA-NA TV
 2-06 87 VEVVV GMD DOM 9/18/1996
 PTA +668 M +113 F +92 P 82 %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 80 %R 5/2002

CTPI
 + 1600

9/18/1996

5/2002

DSS 1235

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
 +1100

1/19/1995

CTPI
 +652

JONES 3365

USA 17121078 100% RHA-NA TV
 2-06 87 VEVVV GMD DOM 9/18/1996
 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 +.02 FLC 66 %R 5/2002



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	68.5	1300	891	<hr style="width: 50px; margin: auto;"/>	3 - 1 - 4 - 2
	72.5	1350	979		
			1869		
PEDIGREE #2	70.0	1300	910	<hr style="width: 50px; margin: auto;"/>	Cuts 4 - 2 - 2
	70.0	1200	840		
			1750		
PEDIGREE #3	91.0	1600	1456	<hr style="width: 50px; margin: auto;"/>	
	81.0	1600	1296		
			2752		
PEDIGREE #4	71.0	1350	959	<hr style="width: 50px; margin: auto;"/>	
	71.0	1200	852		
			1811		