



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			68 %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			69 %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
+ 1200

1/19/1995

CTPI
+1665

TPI
+1252

1/19/1995

CTPI
+ 1350

9/18/1996

CTPI
+888

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	84.0	1650	1386	1	1 - 3 - 4 - 2
	83.0	1610	1336		
			2722		
PEDIGREE #2	70.0	1200	840	4	2 - 3 - 2
	68.5	1350	925		
			1765		
PEDIGREE #3	89.0	1570	1397	2	
	81.0	1630	1320		
			2718		
PEDIGREE #4	71.0	1300	923	3	
	70.5	1200	846		
			1769		