



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

MACE	YIELD	EVALUATION					
PTA	+1532 M	+96 F	+63 P		81 %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		83 %R	5/2002	

TPI
+ 1224

1/19/1995

CTPI

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	+0.01 FLC		74 %R	5/2002

B-WD FRISCO-ET

USA 17121078 100% RHA-NA TV

2-06 87 VEVVV GMD DOM

CTPI
+ 945

9/18/1996

PTA	+2300 M	+111 F	+89 P		77 %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		74 %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	+0.02 FLC		55 %R	5/2002



**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			89 %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			76 %R	5/2002

TEXAS FLASH 134

USA 17121078 100% RHA-NA TV

	2-06 87 VEVVV		GMD DOM				9/18/1996
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			73 %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				9/18/1996
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				9/18/1996
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
+ 1675

1/19/1995

CTPI
+1665

TPI
+1252

1/19/1995

CTPI
+ 1478

9/18/1996

CTPI
+888



**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 85 %R 5/2002

TPI
+ 1092

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 70 %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 68 %R 5/2002

CTPI
+ 1403

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	82.0 75.5	1224 945	1004 713 <hr/> 1717	<hr/> 3	2 - 3 - 1 - 4
PEDIGREE #2	82.5 70.5	1675 1478	1382 1042 <hr/> 2424	<hr/> 1	4 - 2 - 3
PEDIGREE #3	87.5 69.0	1092 1403	956 968 <hr/> 1924	<hr/> 2	
PEDIGREE #4	72.0 70.5	996 1084	717 764 <hr/> 1481	<hr/> 4	