



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 #4

GREEN PRIDE 1655
NLD 159659231 100% RHA-NA TV

MACE	YIELD	EVALUATION				
PTA	+1352 M	+90 F	+65 P		81 %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		65 %R	5/2002

BCD 3655
USA 17121078 100% RHA-NA TV
2-06 87 VEVVV GMD DOM

PTA	+1325 M	+123 F	+90 P		70 %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	+0.1 FLC		72 %R	5/2002

MILLER 366
NLD 159659231 100% RHA-NA TV
TPI +1255
1/19/1995

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

GOLDEN PRIDE 985
USA 17121078 100% RHA-NA TV
2-06 87 VEVVV GMD DOM
CTPI +1885
9/18/1996

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

JKL 6895
NLD 159659231 100% RHA-NA TV
TPI +965
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

MM 658
USA 17121078 100% RHA-NA TV
2-06 87 VEVVV GMD DOM
CTPI +1252
9/18/1996

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	+0.2 FLC		55 %R	5/2002



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DAIRY CATTLE CDE
PEDIGREE SOLUTION

	<u>AVG %R</u>	<u>TPI</u>	<u>POINTS</u>	<u>Rank</u>	<u>Placing</u>
PEDIGREE #1	88.0	961	846	<u>3</u>	3 - 2 - 1 - 4
	66.0	1010	<u>667</u> 1512		
PEDIGREE #2	72.5	1100	798	<u>2</u>	2 - 4 - 2
	89.5	1400	<u>1253</u> 2051		
PEDIGREE #3	71.0	1442	1024	<u>1</u>	
	76.5	1605	<u>1228</u> 2252		
PEDIGREE #4	73.0	965	704	<u>4</u>	
	71.0	1083	<u>769</u> 1473		