



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

		TSU 122345								TPI
		NLD 159659231 100% RHA-NA TV								+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								CTPI
		USA 17121078 100% RHA-NA TV								+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

		OKLAHOMA 125663								TPI
		NLD 159659231 100% RHA-NA TV								+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								CTPI
		USA 17121078 100% RHA-NA TV								+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

		Flashy 121								TPI
		NLD 159659231 100% RHA-NA TV								+1400
										1/19/1995
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	79 %R	5/2002		
		B-WD FRISCO-ET								CTPI
		USA 17121078 100% RHA-NA TV								+1550
		2-06 87 VEVVV GMD DOM								9/18/1996
PTA	+2300	M	+111	F	+89	P	82 %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	80 %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	78 %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	

TPI
+ 1200

1/19/1995

CTPI

+ 1350

TEXAS FLASH 134

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

PTA	+2300 M	+95	F	+89	P	72 %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

9/18/1996

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	

TPI
+1800

1/19/1995

CTPI

+1665

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	

TPI
+1252

1/19/1995

CTPI

+888

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	-.01	FLC	55 %R	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	91 %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	89 %R	5/2002	

TPI
+ 1650

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

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	+0.01	FLC	75 %R	5/2002	

TPI
+1100

1/19/1995

CTPI

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	81 %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	82 %R	5/2002	

CTPI
+ 1300

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	

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	+0.02	FLC	66 %R	5/2002	



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PEDIGREE #4

GREEN PRIDE 1655

NLD 159659231 100% RHA-NA TV

MACE	YIELD	EVALUATION						
PTA	+1352 M	+90	F	+65	P	77 %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	77 %R	5/2002	

BCD 3655

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

PTA	+1325 M	+123	F	+90	P	72 %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	+01	FLC	72 %R	5/2002

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	

GOLDEN PRIDE 985

USA 17121078 100% RHA-NA TV

		2-06 87 VEVVV		GMD DOM			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	+001	FLC	80 %R	5/2002

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	

MM 658

USA 17121078 100% RHA-NA TV

		2-06 87 VEVVV		GMD DOM			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	+02	FLC	55 %R	5/2002

TPI
+1255

1/19/1995

TPI
+ 1450

1/19/1995

CTPI
+1885

TPI
+965

1/19/1995

CTPI
+ 1300

9/18/1996

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	80.0	1400	1120	<u>2</u>	3 - 1 - 4 - 2
	81.0	1550	1256		
			<u>2376</u>		
PEDIGREE #2	77.0	1200	924	<u>4</u>	1 - 2 - 4
	71.0	1350	959		
			<u>1883</u>		
PEDIGREE #3	90.0	1650	1485	<u>1</u>	
	81.5	1300	1060		
			<u>2545</u>		
PEDIGREE #4	77.0	1450	1117	<u>3</u>	
	72.0	1300	936		
			<u>2053</u>		