

2013 NEW MEXICO FFA STATE DAIRY CATTLE EVENT
SIRE SELECTION PROBLEM No. 1 KEY

Situation: Semen from these four bulls is available. The bulls were selected to provide improvement in the next generation of this herd. RANK the four bulls as they best meet the following objectives in mating with the cow / cows being considered below.

This Las Cruces dairyman has a herd of commercial cattle, consisting of 3000 cows. The lactation herd average is currently 22,815M, 405F, and 391P. The dairy's milk is sold to a local cheese plant and a premium is paid for components. The selection program places improvement emphasis on improving udder quality.

COW TO BE MATED		BULLS TO CONSIDER			
CURRENT RECORD	TRAITS	1	2	3	4
(2yr 1mo ME)	REL	90	81	86	86
22,990	MILK	+2009	+1748	+1977	+1819
3.39	FAT %	+1.17	+1.19	-.04	+1.18
387	FAT	+82	+76	+93	+96
	NET MERIT\$	+510	+515	+519	+515
3.55	PROT %	+0.02	+0.03	-.01	+0.08
457	PROT	+79	+79	+65	+51
	CY\$	+597	+569	+697	+557
	TPI	+1938	+1599	+1889	+1888
LINEAR SCORE					
23	STATURE	+2.98	+1.28	+2.57	2.14
19	STRENGTH	+1.28	+0.14	+2.45	+1.85
18	BODY DEPTH	+1.35	+2.47	+1.02	+1.64
26	DAIRY FORM	+1.69	+2.44	+1.93	+1.33
20	RUMP ANGLE	S1.77	L1.48	L1.87	L1.04
19	THURL WIDTH	+1.41	+1.08	+0.99	-0.70
43	REAR LEGS	P-0.59	S-1.91	P-2.19	S-2.19
42	FOOT ANGLE	L-1.75	L-1.55	L-1.34	S-0.08
28	FORE UDDER	+2.53	+1.24	+2.00	+1.52
20	REAR UDDER HT	+2.98	+0.82	+3.36	+2.56
20	REAR UDDER WD	+2.13	+2.00	+3.26	+2.05
25	UDDER CLEFT	+1.64	+0.83	+1.62	+1.59
25	UDDER DEPTH	+1.38	+0.54	+1.38	+1.69
20	TEAT PLACEMENT	+1.73	+0.78	+0.02	+1.89
23	TEAT LENGTH	L1.89	S-2.02	L+1.57	S-0.52

REAR LEGS (S-SICKLE, P-POSTY); FOOT ANGLE (S-STEEP, L-LOW); UDDER DEPTH (D-DEEP, S-SHALLOW),
 TEAT PLACEMENT (W-WIDE, C-CLOSE); TEAT LENGTH (L-LONG, S-SHORT) RUMP ANGLE (S-STEEP, L-LEVEL)

KEY
 7-4-3
 3-1-4-2