

Table 7, Continued.

Variety or Brand	SAA	PA	BAA	PRR	Sc	DM	SN	RKN
Pioneer Brand 540	R	S	S	R	S	R	S	-
Ranger	S	S	S	S	-	HT	S	-
Thor	S	S	S	S	-	R	S	-
WL 215	T	T	S	S	-	T	S	-
WL 216	MR	R	T	S	S	T	MR	S
WL 219	MR	HR	S	T	-	T	S	-
WL 220	MR	HR	S	MR	-	T	S	-
Valor	S	R	S	S	S	-	-	-
Vernal	S	S	S	S	-	HT	S	HT
Vista	S	S						

Aifaifa variety Demonstration

Ronald E. Cluff, Graham County Agricultural Agent; David K. Parsons, Assistant Extension Specialist--
Field testing.

Safford Experiment Farm

Graham County

Elevation: 2900 feet

Planted: September 7, 1978

Plot Size: 2.5 X 20 feet

(Two Year Summary)^{1/}

Entry	1979		1980		Combined 1979-1980	
	Yield	Rank	Yield	Rank	Yield	Rank
NK Matador	12.94	2	13.84a	1	26.78a	1
AZ Leaf Hopper Tol.	13.10a	1	13.41a	3	26.51a	2
Hayden	12.93a	3	12.70ab	7	25.63ab	3
Hayden PX	12.31a	10	13.20a	4	25.51ab	4
Palmer's Special	12.05a	12	13.42a	2	25.46ab	5
Mesa Sirsa	12.60a	5	12.69ab	9	25.28ab	6
CUF 101	12.59a	4	12.65ab	11	25.25ab	7
UC Cargo	12.51a	7	12.70ab	8	25.20ab	8
Lew	12.35a	8	12.85a	6	25.20ab	9
Pioneer 572	12.51a	6	12.61ab	13	25.12ab	10
73 Ca A	12.33a	9	12.57ab	14	24.90ab	11
AS 13R	11.91a	13	12.91a	5	24.82ab	12
WL514	12.10a	11	12.68ab	10	24.78ab	13
Ardente	11.71a	15	12.64ab	12	24.35abc	14
AZ High Temp Tol.	11.66a	41	12.31ab	15	23.97abc	15
AZ High Salt Tol.	11.72a	16	11.69abc	17	23.41abc	16
Ca 423-26	11.46a	17	11.82abc	16	23.28abc	17
WL 512	11.05a	18	10.78 bc	18	21.83 bc	18
NK Amador	10.80a	19	10.49 c	19	21.28 c	19
Lahontan	7.93 b	20	7.07 d	20	15.00 d	20

^{1/} Yields shown are in tons per acre and are the average annual yields from four replications, adjusted to a 12% moisture basis. Yields followed by the same letter are not significantly different at .05 level by Student Newman Keuls' test.

Entry	Average Yield (lbs/green forage from 4 reps.)							Yield (lbs/A 12% moisture basis) ^{1/}
	1979 Cutting Dates							
	April 19	May 21	June 25	July 19	Aug 17	Sept 25	Nov 15	
AZ Leaf Hopper Tol.	23.8	23.4	21.4	21.5	17.3	15.5	9.5	26200a
Hayden	24.1	22.6	22.3	21.4	16.7	14.6	8.9	25850a
NK Matador	24.6	23.1	22.2	21.1	16.4	14.5	8.9	25780a
CUF 101	22.6	22.6	20.6	22.0	16.1	14.4	9.0	25200a
Mesa Sirsa	22.8	22.0	21.3	21.3	16.8	14.8	8.2	25170a
Pioneer 572	23.4	21.0	21.2	21.9	16.7	14.1	8.0	25020a
UC Cargo	22.6	22.4	20.8	20.9	16.4	14.6	8.6	25020a
Lew	23.1	21.3	21.0	19.8	16.0	14.5	9.0	24700a
73 Ca A	22.4	22.0	20.4	21.3	15.8	14.1	8.4	24660a
Hayden PX	21.5	21.4	21.1	21.1	16.9	14.0	8.2	24600a
WL514	20.6	21.4	19.7	21.4	16.0	14.6	8.6	24200a
Palmers Special	19.1	20.6	19.6	21.1	18.1	15.2	8.1	24090a
AS 13R	21.4	20.8	20.4	20.9	15.9	13.2	7.6	23820a
AZ High Salt Tol	21.9	20.2	20.0	19.4	15.2	13.5	8.0	23440a
Ardente	21.4	20.4	19.8	19.6	15.6	13.3	8.2	23420a
AZ High Temp Tol	20.8	20.8	19.8	20.3	15.8	13.1	7.1	23310a
CA 423-26	19.7	20.4	19.3	20.6	15.4	13.0	7.2	22910a
WL 512	20.7	19.4	19.1	18.6	14.4	12.4	7.0	22100a
NK Amador	20.0	19.8	19.0	19.3	13.9	10.9	6.1	21590a
Lahontan	14.1	14.3	14.4	13.8	11.0	8.6	3.9	15860 b

Entry	Average Yield (lbs/ green forage from 4 reps.)							Yield (lbs/A 12% ^{1/} moisture basis)
	1980 Cutting Dates							
	April 9	May 2	June 10	July 11	Aug 8	Sept 16	Nov 5	
NK Matador	20.9	28.4	25.2	24.3	15.2	14.0	11.8	27680a
Palmers Special	17.6	25.8	22.4	24.6	17.4	15.5	12.3	26840a
AZ Leaf Hopper tol	18.4	26.6	23.6	23.4	16.1	14.9	12.5	26820a
Hayden PX	18.6	26.0	23.5	24.4	15.3	14.0	11.6	26410a
AS 13R	17.9	25.6	23.2	23.4	15.5	13.6	11.1	25830a
Lew	18.1	24.7	23.7	23.5	14.6	13.7	11.5	25700a
Hayden	17.6	25.6	23.7	23.1	14.6	12.9	10.7	25410ab
UC Cargo	18.4	25.6	22.3	22.8	14.8	12.9	11.4	25390ab
Mesa Sirsa	17.3	25.0	23.8	23.2	14.8	13.4	10.6	25370ab
WL514	17.5	25.4	21.5	22.7	15.6	13.7	11.6	25350ab
CUF 101	18.0	25.6	21.6	22.6	15.3	13.4	11.2	25300ab
Ardente	17.5	25.4	22.3	22.4	15.2	13.4	11.4	25280ab
Pioneer 572	18.2	25.4	22.6	22.5	14.8	13.0	10.9	25220ab
73 Ca A	15.8	25.7	21.8	22.9	15.7	13.6	11.3	25130ab
AZ High temp tol	17.0	24.0	22.6	22.4	14.5	12.8	10.9	24620ab
Ca 423-26	14.7	23.3	20.9	22.0	15.25	12.8	10.4	23640abc
AZ High Salt tol	13.3	23.3	20.0	21.0	13.4	12.5	10.5	23390abc
WL 512	13.5	21.8	18.2	19.8	13.6	12.1	9.8	21560 bc
NK Amador	12.3	21.5	20.2	19.4	13.3	10.8	8.4	20980 c
Lahontan	6.6	14.0	12.1	13.3	10.4	8.8	6.1	14150 d

^{1/} Yields followed by the same letter are not significantly different at the .05 level by Student-Newman-Keuls' test.