FIELD RANKING BY: Yield

02-06-2004 Page 1

GROWER: [redacted]

CROP: 2000 ALFALFA

FIELD ID	ACRES	PLANTING DATE	DATE OF LAST HARVEST	YIELD	QUALITY	PRE-PLANT N	PRE-PLANT P	TOTAL N	TOTAL P	# OF IRRIG-ATIONS	AVGE HU BETWEEN IRRIG.	# OF INSECT-ICIDES	AVG. D.B. H2O
0062	40	/ /	11/13/	12.3		6.1	20.8	30.8	104.9	0		0	
0032	76	/ /	11/ 8/	11.0		46.9	159.1	74.0	251.0	0		1	
0044	110	/ /	11/ 8/	10.8		28.5	96.9	47.1	159.9				
0021	76	/ /	11/ 8/	10.8		21.1	71.5	33.1	112.3	0		1	
0056	108	/ /	11/13/	10.5		19.4	65.9	37.5	127.2				
0009	68	/ /	11/ 9/	10.1		82.5	281.0	103.6	352.6				
0015	99	/ /	11/10/	9.9		33.4	158.1	45.5	199.3				
0055	109	/ /	11/13/	9.7		52.6	178.8	83.3	283.1	0		1	
0045	113	/ /	11/10/	9.3		66.6	315.2	72.1	333.9	0			
0033	81	/ /	11/ 8/	8.9		26.4	90.1	39.3	134.0	0			
011E	69	/ /	11/ 9/	8.7		52.5	178.2	67.0	227.5				
				10.2		39.6	146.9	57.6	207.8				

949 TOTAL ACRES

Agronomic Report: 2000 ALFALFA

Grower: [redacted]

Company: STANWORTH CROP CONSULTANTS

*** Field: 9 (68acres. Planted: 10/01/96 Variety:) ***

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	SOIL PO4-P SP	SOIL PO4-P PPM	PLANT PO4-P %	PLANT PO4-P PPM	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED	N	P2O5	K2O	$/ACRE
	*****	***	*****	***	***	A ***	*****	***	*****	*****	***	*	****	****	****	*******
2/23						1	13					R	6	20		
						2	15									
						3	13									
						4	17									
3/13	1.27	127.5	1.27	127.5												
	1.00		1.00													
3/20												A	8	26	61	19.08
4/18	1.27	81.2	2.55	99.2	31											
	1.57		2.57													
5/17	1.27	93.1	3.82	97.1	29											
	1.37		3.94													
6/16	1.80	113.2	5.63	101.7	30											
	1.59		5.53													
7/17	1.80	111.8	7.43	104.0	31											
	1.61		7.14													
7/19						1	7					R	1	2		
						2	10					R	8	29		
						3	10									
						4	20									
8/17	1.13	93.8	8.55	102.5	31											
	1.20		8.34													
9/25	1.05	106.1	9.60	102.9	39											
	.99		9.33													
10/ 4												A	6	22		8.28
11/ 2						1	20					R	6	20		
						2	12									
						3	12									
						4	22									
11/ 9	.52	105.0	10.13	103.0	45											
	.50		9.83													
11/20												A	7	24		9.03
										-----			----	----	----	-------
										.000		R	21	71		
												A	21	72	61	36.39

Grower: [redacted] Company: STANWORTH CROP CONSULTANTS

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	A	SOIL PO4-P PPM	SP %	PLANT PO4-P PPM	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED	N	P2O5	K2O	$/ACRE
*****	*****	***	*****	***	***	***	*****	***	*****	*****	***	*	****	****	****	*******
*** Field: 15 (99acres. Planted: 11/01/99 Variety:) ***																
3/14	.90	90.0	.90	90.0												
	1.00		1.00													
3/17						1	59									
						2	24									
						3	28									
						4	33									
						5	28									
4/19	1.27	80.9	2.17	84.4	32											
	1.57		2.57													
5/18	1.37	100.0	3.54	89.8	29											
	1.37		3.94													
6/17	1.59	100.0	5.13	92.8	30											
	1.59		5.53													
7/17	1.80	112.0	6.93	97.1	30											
	1.61		7.14													
7/21						1	16					R	6	20		
						2	28									
						3	17									
						4	21									
						5	21									
BROADCAST 100 LBS/AC 0-0-60 ON WEST HALF ONLY.																
8/18	1.43	119.3	8.36	100.3	32											
	1.20		8.34													
8/22												A	6	21	59	16.54
9/25	.82	83.3	9.19	98.5	38											
	.99		9.33													
11/ 8						1	13					R	6	20		
						2	28									
						3	16									
						4	24									
						5	15									
1/10	.69	137.8	9.88	100.5	46											
	.50		9.83													
1/24												A	6	20	94	22.25
										-----			----	----	----	-------
										.000		R	12	41		
												A	12	41	152	38.79

Grower: [redacted] Company: STANWORTH CROP CONSULTANTS

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	A	SOIL PO4-P PPM	SP %	PLANT PO4-P PPM	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED	N	P2O5	K2O	$/ACRE
*****	*****	***	*****	***	***	***	*****	***	*****	*****	***	*	****	****	****	*******
*** Field: 21 (76acres. Planted: 11/01/98 Variety:) ***																
2/23						1	39					R	10	33		
						2	8									
						3	73									
						4	35									
						7	22									
3/ 4	1.38	138.0	1.38	138.0												
	1.00		1.00													
3/20												A	12	41	61	24.83
4/17	1.45	92.4	2.83	110.1	44											
	1.57		2.57													
5/16	1.54	112.4	4.37	110.9	29											
	1.37		3.94													
6/15	1.86	117.0	6.23	112.7	30											
	1.59		5.53													
7/15	1.66	103.0	7.89	110.5	30											
	1.61		7.14													
7/17						1	31					R	0	0		
						2	24									
						3	61									
						4	52									
						7	28									
7/20												A	0	0	95	13.83
8/15	1.38	115.2	9.27	111.2	31											
	1.20		8.34													
9/19	.83	83.7	10.10	108.2	35											
	.99		9.33													
0/23						1	31					R	0	0		
						2	19									
						3	70									
						4	40									
						7	30									
1/ 8	.71	142.8	10.81	110.0	50											
	.50		9.83													
1/20												A	0	0	121	18.59
										-----			----	----	----	-------
										.000		R	10	33		
												A	12	41	277	57.25

Grower: [redacted]

Company: STANWORTH CROP CONSULTANTS

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	SOIL		PLANT	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED				
						A	PO4-P PPM	SP % PO4-P PPM				N	P2O5	K2O	$/ACRE
*****	*****	***	*****	***	***	***	*****	*** *****	*****	***	*	****	****	****	*******
*** Field:	32	(76acres.	Planted:	11/04/98		Variety:		) ***							
2/23						1	15				R	6	20		
						2	11								
						3	14								
						4	12								
3/12	1.45	145.0	1.45	145.0											
	1.00		1.00												
3/20															
4/17	1.23	78.3	2.68	104.3	30						A	8	26	61	18.98
	1.57		2.57												
5/17	1.38	100.7	4.06	103.0	30										
	1.37		3.94												
6/15	2.07	130.2	6.13	110.8	29										
	1.59		5.53												
7/10						1	14				R	6	20		
						2	12								
						3	11								
						4	13								
7/17	1.87	115.8	7.99	112.0	32										
	1.61		7.14												
7/20											A	6	21		8.06
7/22											A	0	0	71	10.33
8/16	1.52	126.7	9.51	114.1	30										
	1.20		8.34												
8/22															
9/19	.83	83.7	10.34	110.9	34						A	6	20		7.78
	.99		9.33												
10/24						1	13				R	7	25		
						2	14								
						3	10								
						4	18								
11/ 8	.69	138.2	11.03	112.3	50										
	.50		9.83												
11/20											A	7	25	121	28.15
									-----			----	----	----	-------
									.000		R	19	65		
											A	27	92	253	73.30

Grower: [redacted] Company: STANWORTH CROP CONSULTANTS

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	A	SOIL PO4-P PPM	SP %	PLANT PO4-P PPM	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED	N	P2O5	K2O	$/ACRE
*****	*****	***	*****	***	***	***	*****	***	*****	*****	***	*	****	****	****	*******
*** Field: 33 (81acres. Planted: 10/18/99 Variety:) ***																
2/ 9																
2/23						1	15					A	4	13		5.14
						2	24					R	0	0		
						3	20									
						4	31									
3/12	1.16	116.0	1.16	116.0												
	1.00		1.00													
3/20																
3/24												A	0	0	37	5.34
4/18	1.11	70.7	2.27	88.3	31							A	0	0	62	9.10
	1.57		2.57													
5/17	1.03	75.2	3.30	83.8	29											
	1.37		3.94													
6/15	1.35	84.9	4.65	84.1	29											
	1.59		5.53													
7/17	1.36	84.2	6.01	84.1	32											
	1.61		7.14													
7/19						1	9					R	0	0		
						2	15					R	10	33		
						3	13									
						4	30									
7/24																
8/17	1.23	102.6	7.24	86.8	31							A	9	31	104	27.10
	1.20		8.34													
9/19	.97	97.7	8.20	87.9	33											
	.99		9.33													
10/23						1	23					R	0	0		
						2	25									
						3	16									
						4	28									
1/ 8	.65	130.0	8.85	90.1	50											
	.50		9.83													
1/20												A	0	0	109	16.74
										-----			----	----	----	-------
										.000		R	10	33		
												A	13	44	311	63.42

Grower: [redacted]

Company: STANWORTH CROP CONSULTANTS

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	A	SOIL PO4-P PPM	SP %	PLANT PO4-P PPM	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED N	P2O5	K2O	$/ACRE
*****	*****	***	*****	***	***	***	*****	***	*****	*****	***	* ****	****	****	*******
*** Field: 44 (110acres. Planted: 11/01/98 Variety:) ***															
3/15	1.53	153.0	1.53	153.0											
	1.00		1.00												
3/21						1	17					R	6	20	
						2	33								
						3	16								
						4	14								
						7	16								
3/27												A	6	20	7.76
3/29												A	0	0	64 9.28
4/20	1.47	93.6	3.00	116.7	33										
	1.57		2.57												
5/19	1.43	104.4	4.43	112.4	29										
	1.37		3.94												
6/19	1.81	113.8	6.24	112.8	31										
	1.59		5.53												
7/19	1.62	100.8	7.86	110.1	30										
	1.61		7.14												
7/24						1	14					R	6	20	
						2	23					R	6	20	
						3	13								
						4	18								
						7	7								
7/26												A	0	0	77 11.20
7/27												A	7	23	8.81
8/19	1.24	103.4	9.10	109.2	31										
	1.20		8.34												
9/26	1.19	120.5	10.30	110.4	38										
	.99		9.33												
1/ 8	.48	95.4	10.77	109.6	43										
	.50		9.83												
1/16						1	21					R	6	20	
						2	32								
						3	12								
						4	17								
						7	13								
1/24												A	6	21	7.85
1/27												A	0	0	76 11.66

										.000		R	24	82	
												A	19	63	216 56.56

Grower: [redacted]

Company: STANWORTH CROP CONSULTANTS

*** Field: 45 (113acres. Planted: 11/01/99 Variety:) ***

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	A	SOIL PO4-P PPM	SP %	PLANT PO4-P PPM	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED	N	P2O5	K2O	$/ACRE
3/15	.91	91.0	.91	91.0												
	1.00		1.00													
3/20						1	47					R	0	0		
						2	64									
						3	41									
						4	29									
						5	29									
3/29																
4/19	1.14	72.6	2.05	79.8	32							A	0	0	64	9.03
	1.57		2.57													
5/19	1.34	97.8	3.39	86.0	30											
	1.37		3.94													
6/17	1.43	89.9	4.82	87.2	29											
	1.59		5.53													
7/17	1.43	88.8	6.25	87.5	30											
	1.61		7.14													
7/24						1	19					R	6	20		
						2	57									
						3	28									
						4	20									
						5	13									
	BROADCAST 100 LBS/AC, 0-0-60 ON WEST HALF ONLY.															
7/26																
8/18	1.29	107.4	7.54	90.4	32							A	0	0	77	11.53
	1.20		8.34													
8/22																
9/26	1.14	115.7	8.68	93.1	39							A	6	19		6.94
	.99		9.33													
11/10	.62	124.0	9.30	94.6	45											
	.50		9.83													
11/13						1	18					R				
						2	45									
						3	20									
						4	19									
						5	15									
										.000		R	6	20		
												A	6	19	140	27.50

Grower: [redacted] Company: STANWORTH CROP CONSULTANTS

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	A	SOIL PO4-P PPM	SP %	PLANT PO4-P PPM	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED	N	P2O5	K2O	$/ACRE
*****	*****	***	*****	***	***	***	*****	***	*****	*****	***	*	****	****	****	*******
*** Field: 55 (109acres. Planted: / / Variety:) ***																
3/16	1.34	134.0	1.34	134.0												
	1.00		1.00													
3/25						1	13					R	6	20		
						2	26									
						3	17									
						4	10									
						8	25									
3/29																
4/22	1.34	85.4	2.68	104.3	35							A	7	25		9.64
	1.57		2.57													
4/28																
5/22	1.49	108.8	4.17	105.8	30							A	12	41		15.90
	1.37		3.94													
6/21	1.77	111.3	5.94	107.4	30											
	1.59		5.53													
7/20	1.36	84.5	7.30	102.3	29											
	1.61		7.14													
7/25						1	13					R	6	20		
						2	28					R	6	20		
						3	13									
						4	9									
						8	22									
7/27																
8/21	1.35	112.4	8.65	103.7	32							A	6	20		7.79
	1.20		8.34													
9/27	.67	68.1	9.32	99.9	37											
	.99		9.33													
10/26						1	8					R	12	40		
						2	20									
						4	21									
1/13	.34	67.4	9.66	98.3	47											
	.50		9.83													
1/17												A	6	19		7.19
										-----			----	----	----	-------
										.000		R	30	102		
												A	31	104	0	40.52

Grower: [redacted]

Company: STANWORTH CROP CONSULTANTS

*** Field: 56 (108acres. Planted: 10/21/98 Variety:) ***

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	SOIL		PLANT	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED			
						A	PO4-P PPM	SP % PO4-P PPM				N	P2O5	K2O	$/ACRE
3/16	1.30	130.0	1.30	130.0											
	1.00		1.00												
3/22						1	13				R	6	20		
						2	27								
						3	13								
						4	23								
						6	16								
3/27											A	7	24		8.89
3/29											A	0	0	65	9.27
4/21	1.35	86.0	2.65	103.1	34										
	1.57		2.57												
5/22	1.50	109.5	4.15	105.3	31										
	1.37		3.94												
6/20	1.75	110.1	5.90	106.7	29										
	1.59		5.53												
7/20	1.70	105.6	7.60	106.4	30										
	1.61		7.14												
7/25						1	16				R	6	20		
						2	23								
						3	17								
						4	30								
						6	16								
7/27											A	6	20		7.41
8/19	1.25	104.3	8.85	106.1	30										
	1.20		8.34												
8/22											A	5	18		6.81
8/26											A	0	0	65	9.80
9/26	1.20	121.2	10.05	107.7	38										
	.99		9.33												
0/24											R	0	0		
0/25						1	20								
						2	34								
						3	23								
						4	28								
						6	19								
1/13	.45	90.0	10.50	106.8	48										
	.50		9.83												
1/27											A	0	0	76	11.42
	.000										R	12	41		
											A	18	61	207	53.60

Grower: [redacted]

Company: STANWORTH CROP CONSULTANTS

*** Field: 62 (40acres. Planted: / / Variety:) ***

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	A	SOIL PO4-P PPM	SP %	PLANT PO4-P PPM	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED	N	P2O5	K2O	$/ACRE
3/17	1.62	162.0	1.62	162.0												
	1.00		1.00													
3/25						2	19					R				
						3	31									
						4										
4/24	1.41	89.8	3.03	117.9	37											
	1.57		2.57													
5/23	1.81	132.1	4.84	122.8	29											
	1.37		3.94													
6/21	1.97	123.9	6.81	123.1	29											
	1.59		5.53													
7/21	1.64	101.9	8.45	118.4	30											
	1.61		7.14													
7/26						2	10					R	8	29		
						3	20									
						4										
7/28																
8/21	1.80	150.4	10.26	123.0	31							A	12	39		12.22
	1.20		8.34													
9/27	1.43	144.2	11.68	125.2	37											
	.99		9.33													
10/24						2	10					R	10	33		
						3	24									
						4										
11/13	.63	125.0	12.31	125.2	47											
	.50		9.83													
11/24												A	13	45		13.73
													18	61		
										.000		R				
												A	25	84	0	25.95

Grower: [redacted]

Company: STANWORTH CROP CONSULTANTS

*** Field: 11 EAST (69acres. Planted: 10/01/98 Variety:) ***

DATE MM/DD	TONS/ CUT	% 10 TON YIELD	CUM. TONS/ CUT	% 10 TON YIELD	DAYS BET. CUT	A	SOIL PO4-P PPM	SP %	PLANT PO4-P PPM	H2O ACRE FEET	DAYS BET. H2O	FERTILIZER R=RECOM./ A=APPLIED	N	P2O5	K2O	$/ACRE
3/13	1.10	110.0	1.10	110.0												
	1.00		1.00													
3/17						1	20					R				
						2	22									
						3	20									
						4	17									
4/18	1.11	70.7	2.21	86.0	31											
	1.57		2.57													
5/18	1.27	93.1	3.49	88.5	30											
	1.37		3.94													
6/16	1.63	102.3	5.11	92.4	29											
	1.59		5.53													
7/17	1.40	87.3	6.52	91.3	31											
	1.61		7.14													
7/21						1	20					R	6	20		
						2	20					R	0	0		
						3	14									
						4	14									
8/17	1.11	92.4	7.63	91.4	31											
	1.20		8.34													
8/21												A	0	0	65	9.45
8/22												A	6	21		7.97
9/25	.73	73.6	8.36	89.5	39											
	.99		9.33													
11/ 2						1	18					R	10	33		
						2	16									
						3	12									
						4	8									
11/ 9	.37	74.0	8.73	88.8	45											
	.50		9.83													
11/24												A	8	28	95	25.58
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											.000	R	16	53		
												A	15	49	160	43.00

Grower: [redacted]

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DATE	TONS/	% 10 TON	CUM. TONS/	% 10 TON	DAYS BET.		SOIL PO4-P	SP	PLANT PO4-P	H2O ACRE	DAYS BET.	FERTILIZER R=RECOM./ A=APPLIED			
MM/DD	CUT	YIELD	CUT	YIELD	CUT	A	PPM	%	PPM	FEET	H2O	N	P2O5	K2O	$/ACRE
*****	*****	***	*****	***	***	***	*****	***	*****	*****	***	* ****	****	****	*******
SUMMARY: 11 fields. (Average/Field/Acre)															
*****	*****	***	*****	***	***	***	*****	***	*****	*****	***	* ****	****	****	*******
												A 18	61	166	46.93
												R 16	55		

CUTTING:

1	1.27	127	1.27	127
	1.00		1.00	
2	1.29	82	2.56	99
	1.57		2.57	
3	1.40	102	3.96	100
	1.37		3.94	
4	1.73	109	5.69	103
	1.59		5.53	
5	1.60	100	7.29	102
	1.61		7.14	
6	1.34	112	8.63	104
	1.20		8.34	
7	.99	100	9.62	103
	.99		9.33	
8	.56	112	10.18	104
	.50		9.83	

FERTILIZER COST BREAKDOWN

10-34-0 $24.47/AC

0-0-62 $22.46/AC