

Reported To: BENSON FARMS

Field: MULLEN 4 NO. Acres: 72.4 Flow:

SAMPLE DATE	LAB #	* AREA	P L A N T				S O I L					* FERTILIZER					
			NO3-N PPM	PO4-P PPM	%N	%K	* AREA	NO3-N PPM	PO4-P PPM	Sp	K PPM	ECe	Zn	*A/R	N	P2O5	K2O
//**	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		2	7540	3301		5.75											
		3	6817	3414		5.04											
		4	6401	3321		4.85											

11/28/10 UN 32

A 60 0

12/27/10 07965

1	11235	3285	5.02
2	10825	3681	5.32
3	10121	3012	5.09
4	12404	3009	5.13

R

GOOD RESPONSE, N, P AND K ARE HIGH. NONE IS NEEDED. RECHECK AFTER IRRIGATION.

1/19/11 10399

1	3353	2629	4.11
2	2347	3100	4.23
3	2076	3203	4.20
4	2406	2464	3.62

UPDATED RECOMMENDATION, WATER RUN 40 UNITS N/AC UN-32 TO INCREASE N TO ADEQUATE. THIS FIELD IS SLATED TO HARVEST IN MID-MAY. THIS WILL BE THE LAST OPPORTUNITY TO APPLY UN-32. RECHECK.

2/02/11 10818

1	1659	2182	4.14
2	556	2203	4.05
3	938	2371	4.22
4	944	2461	4.28

WATER RUN 40 UNITS N/AC AN-20. FIELD IS SLATED FOR AN EARLY DIG. RECHECK AFTER IRRIGATION.

2/07/11 AN 20

A 40 0

2/18/11 11304

1	1394	2816	3.93
2	632	2760	4.21
3	1566	2768	3.82

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SAMPLE		P L A N T						S O I L					FERTILIZER				
DATE	LAB #	* AREA	NO3-N	PO4-P	%N	%K	* AREA	NO3-N	PO4-P	Sp	K	ECe	Zn	*A/R	N	P2O5	K2O
//**	*****	*****	PPM	PPM	*****	*****	*****	PPM	PPM	*****	PPM	*****	*****	*	*****	*****	*****
		4	2807	3044		3.90								*	*	*	*

FIELD RECIEVED AN-20 IN LAST IRRIGATION, RECHECK AFTER IRRIGATION.

3/01/11 11753	1	3174	2415	4.61
	2	506	1545	5.58
	3	3378	1848	4.97
	4	3267	1856	4.45

THIS IS A RECHECK. N IS RESPONDING, FIELD RECIEVED AN-20 IN LAST IRRIGATION, RECHECK AFTER IRRIGATION.

3/10/11

SEE UPDATED PRE-SIDE DRESS SOIL TEST RESULTS. THEY NOW INCLUDE P AND K. SEE OCTOBER RESULTS ABOVE.

3/24/11 12960	1	214	2687	3.98
	2	270	3162	4.85
	3	251	3064	4.89
	4	791	2697	4.88

WATER RUN 6 GALLONS AN-20/AC IF 2 OR MORE IRRIGATIONS REMAIN. THIS WILL HELP HOLD THE N, BUT NOT INCREASE PETIOLE N. P AND K ARE ADEQUATE. RECHECK.

W W W . S T A N W O R T H . N E T
CROP CONSULTANTS

Plant & Soil Analysis Report

File No. SGB-11

3610 W Hobsonway * Blythe, California 92225 * 180 S Marjorie Ave Ste D
Phone (760) 922-3106

* Brawley, Ca 92227
Phone (760) 427-0941

Reported To: BENSON FARMS Date: 04/13/11
Submitted by: S. C. C.
Identification: 2011 SUGAR BEETS Planting Date: 09/13/10
Field: MULLEN 4 SO. Acres: 74.2 Flow:

SAMPLE DATE	* LAB #	* AREA	P L A N T				S O I L				* FERTILIZER						
			NO3-N PPM	PO4-P PPM	%N	%K	* AREA	NO3-N PPM	PO4-P PPM	Sp PPM	K PPM	ECe	Zn	*A/R	N	P2O5	K2O
//10	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*	*****	*****	*****
9/10/10	UREA, BEET LIME													*	A	46	0
10/14/10	06570	1	6018	3559		7.99	1-1	13.3	20.4		410						
		2	3693	3508		7.25	1-2	3.7	10.9		277						
		3	5425	3435		6.96	1-3	3.4	6.3		224						
		4	6295	3520		7.16	2-1	9.1	15.3		325						
							2-2	19.0	8.7		239						
							2-3	7.4	5.5		192						
							3-1	15.2	22.1		226						
							3-2	14.8	7.5		170						
							3-3	8.6	3.9		127						
							4-1	8.8	16.8		285						
							4-2	6.3	6.7		300						
							4-3	3.8	6.3		415				R	130	0

SIDE DRESS 100 UNITS N/ACRE UN-32 THEN WATER BACK. THEN, IN THE FOLLOWING IRRIGATION WATER RUN 30 UNITS N/ACRE UN-32. THIS RECOMMENDATION IS BASED UPON RESIDUAL SOIL NITROGEN LEVELS AND AN ESTIMATED YIELD POTENTIAL OF 25 TONS/ACRE SUGARBEETS TO BE DUG IN MID APRIL. RECHECK AFTER IRRIGATION.

10/27/10 UN 32 A 100 0
11/17/10 R 30 0

WATER RUN 30 UNITS N/AC PER PSST. P AND K ARE ADEQUATER. RECHECK.

11/18/10 07257 1 3753 3066 4.27

Reported To: BENSON FARMS

Field: MULLEN 4 SO. Acres: 74.2 Flow:

SAMPLE DATE	LAB #	* P L A N T *				* S O I L *					* FERTILIZER *						
		* AREA	NO3-N PPM	PO4-P PPM	%N	%K	* AREA	NO3-N PPM	PO4-P PPM	Sp	K PPM	ECe	Zn	*A/R	N	P2O5	K2O
//**	*****	*****	*****	*****	****	*****	*****	*****	*****	*****	*****	*****	*****	* * *	*****	****	****
		2	4467	2908		4.34											
		3	5031	2940		4.20											
		4	5018	2762		4.46											

12/05/10 UN 32

A 35 0

12/27/10 07969

1	8183	2887		5.04
2	7400	3136		5.21
3	5357	2882		5.02
4	4785	3058		4.73

R 25 0

WATER RUN 25 UNITS N/AC UN-32/AC TO MAINTAIN ADEQUATE N. P AND K ARE HIGH. RECHECK AFTER IRRIGATION.

1/19/11 10403

1	1803	2480		4.57
2	1136	2681		4.34
3	1285	2757		4.04
4	1146	2632		3.81

UPDATED RECOMMENDATION, WATER RUN 40 UNITS N/AC UN-32 TO INCREASE N TO ADEQUATE. THIS FIELD IS SLATED TO HARVEST IN MID-APRIL. THIS WILL BE THE LAST OPPORTUNITY TO APPLY UN-32. RECHECK.

2/02/11 10822

1	1535	2168		4.44
2	1078	1957		4.21
3	1159	2258		4.14
4	730	2372		4.02

WATER RUN 50 NITS N/AC AN-20. FIELD IS SLATED FOR AN EARLY DIG. RECHECK AFTER IRRIGATION.

2/07/11 AN 20

A 40 0

2/18/11 11291

1	758	2565		3.72
2	795	2749		3.65

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Field: MULLEN 4 SO. Acres: 74.2 Flow:

SAMPLE DATE	LAB #	* *	P L A N T				S O I L					* * FERTILIZER						
			* AREA	NO3-N	PO4-P	%N	%K	* AREA	NO3-N	PO4-P	Sp	K	ECe	Zn	*A/R	N	P2O5	K2O
//**	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
			3	3739	2805		3.78											
			4	2431	2667		3.74											

NO N IS NEEDED, FIELD RECEIVED AN-20 IN LAST IRRIGATION, RECHECK AFTER IRRIGATION.

3/01/11 11757	1	990	1345		5.13
	2	846	1399		5.06
	3	555	1750		4.24
	4	2769	1473		4.42

3/02/11

THIS IS A RECHECK. NO N IS NEEDED. FIELD RECIEVED AN-20 IN LAST IRRIGATION, RECHECK AFTER IRRIGATION.

3/11/11

SEE UPDATED PRE-SIDE DRESS SOIL TEST RESULTS. THEY NOW INCLUDE P AND K. SEE OCTOBER RESULTS ABOVE.

3/24/11 12964	1	327	2449		4.37
	2	1234	2406		4.78
	3	1026	2525		4.29
	4	518	2708		4.26

N, P AND K ARE AT GOOD PRE-HARVEST LEVELS. NONE IS NEEDED. THANK YOU!