

**Westside Alfalfa Salinity Trial (planted 3/29/17 Five Points, CA). 2017-2019 Cumulative Yield of alfalfa grown under low and high saline conditions.**

Variety	2017 Season Yield (ton/A)		2018 Season Yield (ton/A)		2019 Season Yield (ton/A)		Cumulative Average (t/A)	
	Low Salinity	High Salinity	Low Salinity	High Salinity	Low Salinity	High Salinity	Low Salinity	High Salinity
UC Salton	5.2	5.2	12.0	12.2	15.0	13.4	32.2	<b>30.8</b>
SW9573	5.5	5.1	12.0	11.3	14.4	13.3	32.0	<b>29.7</b>
SW9106M	4.7	5.5	12.9	10.4	15.2	13.2	32.8	<b>29.1</b>
AZ-88NDC	6.0	4.7	13.7	10.9	14.4	13.0	34.0	<b>28.7</b>
9R100	5.5	5.0	14.6	11.1	16.0	12.5	36.1	<b>28.7</b>
SW8421RRS	5.0	5.5	13.5	11.3	16.2	11.7	34.7	<b>28.5</b>
Integra 8810S	4.9	4.6	12.9	11.3	15.6	12.3	33.5	<b>28.2</b>
H0916ST223	4.5	4.9	10.8	10.5	13.8	12.8	29.1	<b>28.2</b>
PGI 908-S	5.4	5.0	14.3	9.8	15.9	13.0	35.7	<b>27.8</b>
SW9577	5.2	5.0	13.7	10.2	14.8	12.4	33.7	<b>27.6</b>
CUF101	4.9	4.6	12.9	10.4	13.7	12.6	31.5	<b>27.6</b>
C0916ST232	5.3	4.8	12.9	10.7	13.4	11.8	31.6	<b>27.2</b>
UC Impalo	4.5	4.9	12.7	9.9	15.4	12.3	32.7	<b>27.1</b>
SW9215RRS	4.8	5.2	13.3	10.1	15.8	11.5	34.0	<b>26.8</b>
H0715ST209	4.5	5.0	10.2	10.4	12.5	10.8	27.2	<b>26.2</b>
R814W257S	5.2	4.6	13.7	9.4	16.1	12.0	35.1	<b>26.0</b>
R814W258S	4.8	4.7	11.8	9.1	15.0	11.9	31.6	<b>25.7</b>
H0916ST218	4.9	4.9	12.1	9.4	14.2	11.2	31.1	<b>25.5</b>
AZ-90NDC-ST	4.8	4.4	12.5	9.3	14.8	11.6	32.1	<b>25.4</b>
SW8476	4.5	4.8	13.1	9.1	15.4	11.5	33.1	<b>25.4</b>
SW8409	4.9	5.0	11.7	9.0	13.8	11.0	30.5	<b>24.9</b>
R914W259S	4.2	4.5	11.5	9.0	15.4	11.3	31.0	<b>24.8</b>
H0915ST214	4.3	4.0	11.3	8.9	15.5	11.5	31.1	<b>24.5</b>
SW9576	4.9	4.6	11.5	9.5	11.4	9.9	27.8	<b>24.0</b>
H0716ST227	4.2	4.4	10.6	9.0	12.4	10.5	27.2	<b>23.9</b>
FGR814W275	3.5	3.6	10.5	9.2	14.0	10.9	28.0	<b>23.6</b>
H0916ST216	4.5	3.7	11.5	8.5	12.6	11.4	28.5	<b>23.6</b>
AFX149092	4.7	4.0	13.5	8.3	14.1	11.1	32.3	<b>23.4</b>
H0815ST210	4.7	4.0	11.8	8.4	14.3	10.5	30.8	<b>23.0</b>
H0716ST222	4.9	4.3	12.9	7.9	14.0	10.7	31.8	<b>22.9</b>
H0715ST211	5.0	4.0	11.5	8.6	13.2	10.2	29.7	<b>22.8</b>
H0916ST217	4.0	4.2	10.4	8.6	12.4	9.9	26.7	<b>22.7</b>
H0915ST212	4.8	3.9	11.1	8.4	13.8	10.1	29.7	<b>22.5</b>
SW8412	4.9	3.7	12.3	8.4	13.3	10.0	30.6	<b>22.1</b>
<b>Average</b>	<b>4.8</b>	<b>4.6</b>	<b>12.3</b>	<b>9.6</b>	<b>14.4</b>	<b>11.5</b>	<b>31.5</b>	<b>25.7</b>
<b>Yield loss</b>	<b>4%</b>		<b>22%</b>		<b>20%</b>		<b>18%</b>	
Treatment Mean	4.7		11.0		13.0		28.7	
CV%	16.3		16.5		12.8		8.3	
LSD (p=0.05)	0.2		1.8		1.6		0.6	