

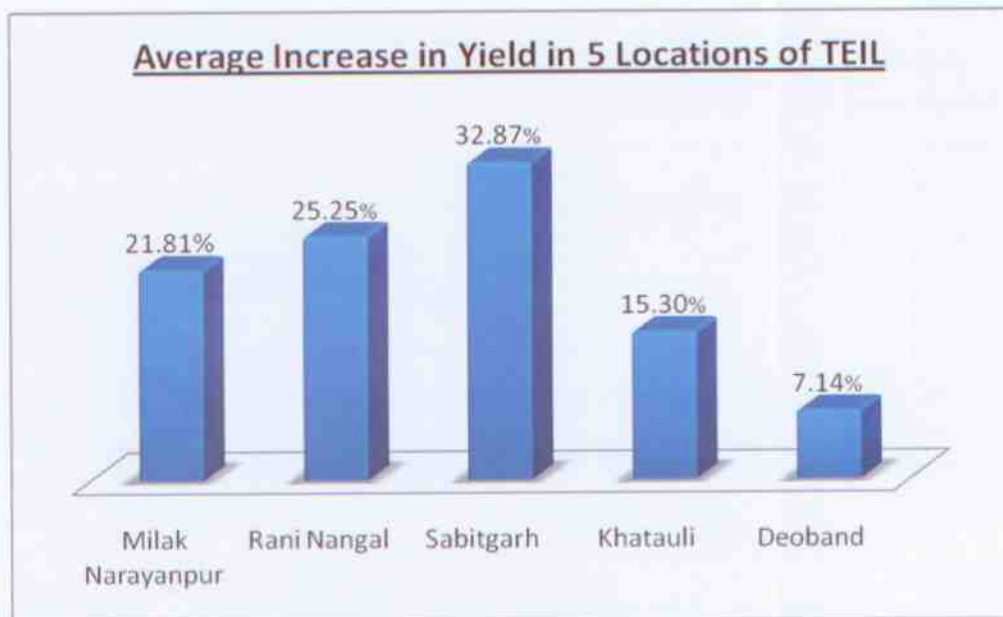


*AQUASAP APPLICATION  
ON SUGARCANE  
WITH  
TRIVENI GROUP*

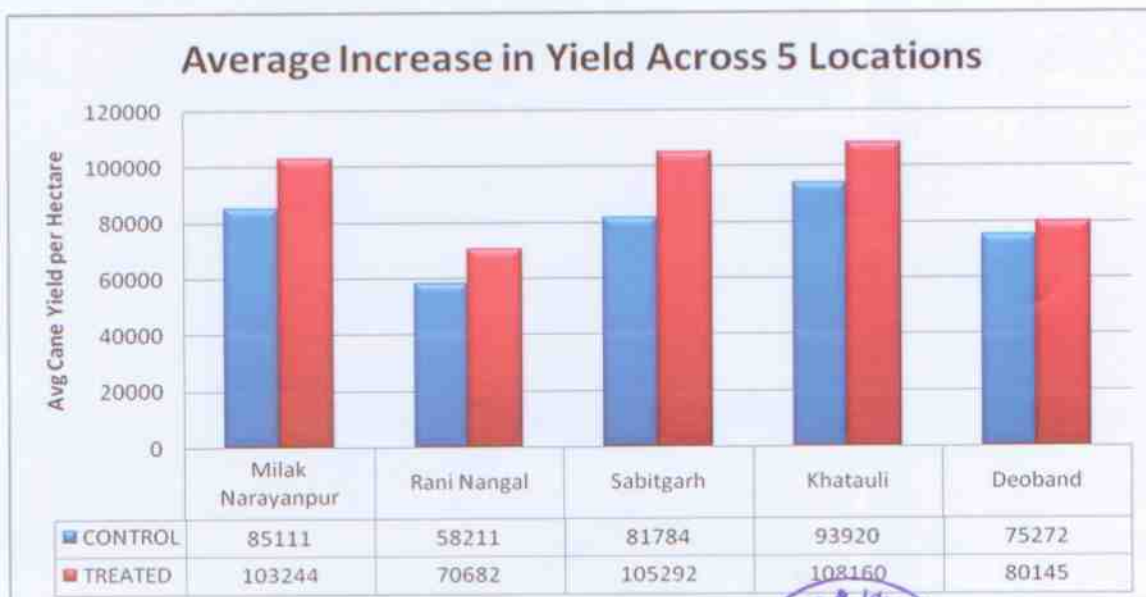


**SUMMARY:** The project examined the benefit of Aquasap on sugarcane at all catchment areas of Triveni Engineering and Industries Ltd. (TEIL). The product shows a benefit as a foliar applied source of nutrition at all the trial locations.

This was a large scale trial; moving forward from the positive results achieved in the year 2008. In 2009 a target area of 7000 hectares was covered with the product and the average increase in yield across all units was 20.47%.



Data was collected extensively for 5 locations; shown above. At two locations data could not be collected and collaborated so they have been eliminated from the statistical analysis.



For AQUAGRI PROCESSING PVT. LTD.

ABHIRAM SETH  
Managing Director



An interesting observation made during the trial was; the increase in yield in Deoband was only 7.14%. But the average cane yield per hectare in this area is 60 Tons whereas here our base has increased to 75 Tons indicating that the spray was done even in the area of the field kept as control or had a spillover effect to increase the overall base yield.

### Project Outline

This project was conducted by Triveni Engineering and Industries Ltd. (TEIL) and their field team to determine the benefits of Aquasap (Liquid Seaweed Nutrient), the material under trial AQUASAP was supplied by Aquagri Processing Private Ltd.

The project was under the complete control of TEIL, to capture the actual efficacy of Aquasap at farmer field level. The control plots have been applied with standard recommended dose of chemical fertilizers as also the experimental plots. The only addition in the treated plot was Aquasap.

### Methodology

- Root dip of the sugarcane cuttings before transplanting in a mixture of 1% Aquasap and 100 Litres of water (for 5 minutes).
- Applied as a foliar spray, 45 days after transplanting, after plant establishment. The first spray is done by making a mixture of 3% Aquasap with 100 Litres of water. The foliar spray is done on the leaves of the sugarcane crop.
- The next foliar spray was done after 75 days by making a mixture of 5% Aquasap with 200 Litres of water.
- The third spray is done 120 days after planting, during the growth phase of the sugarcane. 5 Litres of Aquasap is mixed with 300-400 Litre of water.
- The fourth spray is done 6-7 months after sowing (180-200 days). 5 Litres of Aquasap is mixed with 400-500 Litres of water and sprayed onto the crop. In case the sugarcane crop has gained enough height, thus making foliar spray difficult alternatively the mixture was applied to the roots of the crop.

During the growth stage of the sugarcane crop various parameters were recorded to judge the efficacy of the product like Germination Percentage, No. of Tillers, No. of Clumps in 5m x 5m, Cane Girth, Cane Height. But the main effect of the product was on cane weight and recovery.



### Trial Layout

There were 20 trial plots kept at each location and were strategically placed in different villages in order to demonstrate the efficacy on a mass scale.

The data collected from these plots was collected by harvesting an area of (5m x 5m) 25 m<sup>2</sup> from control and treated area in the same plot respectively. Then the cane weight and recovery was taken from this sample; and translated into hectare terms.

### Data Collection on 5m x 5m Area at TEIL Sugar Units





## **Result Summary**



**Triveni Engineering & Industries Ltd., All Sugar Units**  
**Summary of Results for 7 Locations**

S No.	Location	Planned Test Plots	Harvested Plots (As Per Protocol)	No. Data Record/Disregarded Plots (No. of Plots)	Average Yield of Location		Average Increase in Yield
					Control	Treated	
1	Milak Narayanpur	24	9	13	85111	103244	21.81%
2	Rani Nangal	18	17	1	58211	70682	24.35%
3	Sabitgarh	20	15	5	81784	105292	32.87%
4	Khatauli	20	20	0	93920	108160	15.30%
5	Deoband	11	11	0	75272	80145	7.14%
6	Ramkola	20	0	20	N/A	N/A	No Data
7	Chandanpur	20	0	0	N/A	N/A	Area Disregarded
	<b>TOTAL</b>	<b>133</b>	<b>72</b>	<b>39</b>			<b>20.32%</b>

For AQUAGRI PROCESSING PVT. LTD.

ABIRAM SETH  
Managing Director



**Triveni Engineering & Industries Ltd., All Sugar Units**  
**Summary of all Sugarcane Varieties for 7 Locations**

S No.	Variety of Cane	No. of Plots	Avg. Control Yield Per Acre	Avg. Treated Yield Per Acre	Average Increase in Yield
1	Cose-98231	14	86771	99457	14.62%
2	Coj-64	5	81920	93920	14.65%
3	Co-0238	5	95120	109200	14.80%
4	Cos-8436	15	73760	88666	20.21%
5	Cos-96269	1	82000	98800	20.49%
6	Cos-767	10	74720	95760	28.16%
7	88230	6	80266	85933	7.06%
8	88232	1	66000	76000	15.15%
9	Co-97264	3	64933	78800	21.36%
10	Coj-85	2	82000	110800	35.12%
11	Cos-98014	1	94800	108400	14.35%
12	Cos-96268	2	87800	107600	22.55%
13	Co-118	1	91200	107600	17.98%
14	Cos-8432	4	55400	67300	21.48%
<b>TOTAL</b>		<b>70</b>			

(negative result included)

\*\* The total plots here are 69 because 2 plots for which data was recorded in Sabitgarh there was no Control.

For AQUAGRI PROCESSING PVT. LTD.



ABHIRAM SETH  
Managing Director



**Triveni Engineering & Industries Ltd., Sugar Unit- Milak Narayanpur**  
**List of Aquasap Application**

**List of selected test Plots of Aqua Aagri Sap for Spring Planting- 2009**

S. No.	Name of Farmer	Village	Area (Hect.)	Variety	Date of Planting	Area (Hect.)		Result in (5mX5m) Area		Result translated to 1 Hectare		Benefit to the farmer of increase in Yield (Rs)	%age Increase in Yield
						Control	Treated	Control	Treated	Control	Treated		
1	Dalveer Singh-Singara Singh	Imarta	0.80	COS-8436	11.04.08	0.40	0.40	220	263	88000	105200	43000	19.55%
2	Subashchand-Hardashi lai	Khabsiya	3.20	COS-8436	02.10.09	1.60	1.60	207	233	82800	93200	26000	12.56%
3	Surender Singh-Ekchand	Pipali nayak	0.40	COS-8436	17.11.08	0.20	0.20	191	234	76400	93600	43000	22.51%
4	Ravinder-Dalchind	Gangapur	0.80	COS-8436	N/A	0.40	0.40	233	292	93200	116800	59000	25.32%
5	Harday Narayan	Dulchandpur	1.20	COS-767	N/A	0.40	0.40	404	483	161600	193200	79000	19.55%
6	Ram Sharan-Dayal	Pureya	0.40	COS-767	N/A	0.20	0.20	98	122	39200	48800	24000	24.45%
7	Masum-Name ali	Budhi Dadiyal	0.60	88230	20.10.08	0.30	0.30	176	244	70400	97600	68000	38.64%
8	Omlesh-Ajeet Singh	Chandupura	0.80	COS-88232	24.02.09	0.40	0.40	165	190	66000	76000	25000	15.15%
9	Raj Bahadur-Gangr	Shyampur	0.80	CO-97264	N/A	0.40	0.40	221	262	88400	104800	41000	18.55%
10	Akkan haji-Acchan	Akharabad	0.40	Co-0119	01.01.09	0.20	0.20						
11	Pooran-Tikka	Sarakthal	0.40	CO-0118	15.11.08	0.20	0.20						
12	Yamin-Barakalla	Budhi Dadiyal	1.00	COS-8432	29.01.09	0.50	0.50						
13	Jaswant-Chandan	Pajulanagar	0.40	COS-88230	11.07.08	0.20	0.20						
14	Prem Singh-Janki	Chandupuri	0.60	COS-8432	20.02.09	0.20	0.40						
15	Sompal Singh-Shisupal Singh	Ramnagar L.	0.40	COS-8436	11.10.08	0.20	0.20						
16	Mahipal -Natthu Singh	Ramnagar L.	0.40	COS-8436	11.06.08	0.20	0.20						
17	Narsingh-Kedari Singh	Kheda gajrola	0.30	COI-85	22.02.09	0.10	0.20						
18	Omprakash-Babu ram	Ramnagar L.	0.20	CO-97264	10.02.09	0.10	0.10						
19	Jaswant Singh-Bahal Singh	Roopapur	0.80	CO-97222	11.03.08	0.40	0.40						
20	Rajveer Singh-Ramkuwar	Lodhipur	0.80	COS-8436	10.12.08	0.40	0.40						
21	Mahipal Singh-Puran Singh	Seerkha	0.60	COS-88230	35.02.09	0.40	0.20						
22	Lakhan-Bihari	Pipali nayak	0.40	COI-88	24.02.09	0.10	0.30						
23	Karan Singh-Lal Singh	Sarakthal	0.60	Co-0119	02.05.09	0.30	0.30						
24	Jagdeesh Singh-Lakhan Singh	Chandupura	0.40	COS-8436	22.02.09	0.20	0.20						
<b>TOTAL&gt;&gt;&gt;</b>			<b>16.70</b>			<b>8</b>	<b>8.70</b>						

AVERAGE CONTROL YIELD	85111
AVERAGE TREATED YIELD	103244
INCREASE IN YIELD - RANGE	12.56% - 38.64%

\*\* S.No. 17, farmer Rajveer Singh from Lodhipur Village has given a letter stating increase in yield of 40%  
 \*\* Each and every farmer involved in the trial has signed a letter which is documented, stating they benefited from the product; they would purchase it again and are completely satisfied.  
 \*\* Data for 4 additional plots was provided by the Senior Cane Manager (Mr. Yogender Singh) at Milak Narayanpur. These plots (S. No. 22-25) had control/treated area maintained.



For AQUAGRI PROCESSING PVT. LTD.

ABHINAV SETH  
Managing Director

**Triveni Engineering & Industries Ltd., Sugar Unit- Rani Nanqal**  
**List of Aquasap Application**

**List of selected test Plots of Aqua Aeri Sap for Spring Planting- 2009**

S. No.	Name of Farmer	Father Name	Village	Area (Hect)	Variety	Date of Planting	Area (Hectres)		Result in (5mX5m) Area		Result translated to 1 Hectare		Benefit to the farmer of Increase in Yield (Rs)	%age Increase in Yield
							Control	Treated	Control	Treated	Control	Treated		
1	DEEPAK	MAHIDAL	DHAKWALA MANZARA	0.200	CoS8436	11.03.09	0.100	0.100	144	169	57600	67600	25000	17.36%
2	SAMARPAL SINGH	SURAT PAL SINGH	DHAKWALA MANZARA	0.250	CoS8436	27.03.09	0.100	0.150	98	132	39200	52800	34000	34.69%
3	GOPAL SINGH	KISHORI SINGH	MITLAK HUIRA	0.400	CoS8436	22.03.09	0.200	0.200	140	177	56000	70800	37000	26.43%
4	SHRI SANTOSH	PUSHPENDRA	MANDIA VIJAYRAMPUR	0.600	CoS8436	13.03.09	0.300	0.300	145	160	58000	64000	15000	10.34%
5	HARMAM SINGH	RAMVALAB SINGH	DHAKWALA MANZARA	0.400	CoS8436	11.03.09	0.200	0.200	333	366	133200	145400	33000	9.91%
6	MADANPAL SINGH	SUMER SINGH	RAJIPUR MILAK	0.400	CoS8436	20.03.09	0.200	0.200	142	189	56800	75600	47000	33.10%
7	LAKHAN SINGH	PADAM SINGH	KARNAWALA JABTI	0.400	CoS8436	09.04.09	0.200	0.200	151	170	60400	68000	19000	12.58%
8	ANANDPAL	PRITHVI SINGH	KAMALPURI	0.600	CoS8436	12.03.09	0.300	0.300	125	142	50000	56800	17000	13.60%
9	SURENDRA	PYARE LAL	BAJRAMPUR	0.400	CoS8432	02.04.09	0.200	0.200	126	158	50400	63200	23000	25.40%
10	BAHIRAJ SINGH	GANNU SINGH	ALAMGIRPUR	0.400	CoS8432	31.03.09	0.200	0.200	182	205	72800	82000	23000	12.64%
11	SHISHUPAL SINGH	MUKAND SINGH	SINGWALA MAJRA	0.400	CoS8432	11.03.09	0.200	0.200	143	164	57200	65600	21000	14.69%
12	DHARAMPAL SINGH	PRITHVI SINGH	KAMALPURI	0.600	CoS8432	29.03.09	0.300	0.300	103	146	41200	58400	43000	41.75%
13	BASANT	CHETRAM	JAFRABAD	0.300	CoS767	02.03.09	0.150	0.150	80	135	32000	54000	55000	68.75%
14	KOMAL SINGH	KHOORI SINGH	MANDYA KHASPUR	0.800	CoS767	25.03.09	0.400	0.400	147	168	58800	67200	21000	14.29%
15	INDRESH KUMAR	JITENDRA SINGH	KUNDESHRA	0.600	97254	25.03.09	0.300	0.300	137	150	54800	60000	13000	9.49%
16	NANHEY SINGH	ANUP SINGH	KAMALPURI	0.800	97254	21.03.09	0.400	0.400	129	179	51600	71600	50000	38.76%
17	JAYPAL SINGH	DUNGAR SINGH	MANDIA VIJAYRAMPUR	0.450	CoI-85	14.03.09	0.225	0.225	149	194	59600	77600	45000	30.20%
18	BALWANT SINGH	PRASHADI SINGH	BALINATHPUR	0.500	CoI-85	01.03.09	0.250	0.250						
<b>Total&gt;&gt;&gt;</b>				<b>8.500</b>			<b>4.225</b>	<b>4.275</b>	NO DATA TAKEN FOR THIS PLOT					

AVERAGE CONTROL YIELD	58211
AVERAGE TREATED YIELD	70682
INCREASE IN YIELD - RANGE	9.49% - 68.75%

For AQUAGRI PROCESSING PVT. LTD.



ABHIRAM SETH  
Managing Director

**Triveni Engineering & Industries Ltd., Sugar Unit- Sabitgarh**  
**List of Aquasap Application**

**List of selected test Plots of Aqua Aeri Sap for Spring Planting- 2009**

S. No.	Name of Farmer	Father Name	Village	Area (Hect.)	Variety	Date of Planting	Area (Hect.)		Result in (5mX5m) Area		Result translated to 1 Hectare		Benefit to the farmer of increase in Yield (Rs)	%age increase in Yield
							Control	Treated	Control	Treated	Control	Treated		
1	Pratham Singh	Rachunath Singh	Gawal	0.70	COS-8436				No Control	404	0	151600	N/A	N/A
2	Umesh Chand Sharma	Basudeo Sharma	Jetola	0.77	COS-8436				141	240	56400	99000	99000	70.21%
3	Mahesh Singh	Manvir Singh	Nadaya Udeyshan	0.84	COS-767	18.05.2008	285	318	114000	127200	33000	33000	33000	11.58%
4	Moolchand	Sonath	Moroli	0.84	COS-767		237	298	94800	119200	61000	20000	20000	25.74%
5	Rampal Singh	Mekhan Singh	Sohi	1.20	COS-767		155	175	62000	70000	20000	20000	20000	12.90%
6	Devendra Singh	Ram Singh	Nagla Dalpatpur	0.84	COS-767		113	206	45200	82400	93000	84000	84000	82.30%
7	Kamal Prasad Shene	Kanchhail Shene	Kunwarpur	0.85	COS-767		136	270	54400	88000	84000	84000	84000	61.76%
8	Vinod Swaroop	Ram Swaroop	Khurd Kheda	1.50	COS-767		213	269	85200	107600	56000	56000	56000	26.29%
9	Keshav Kumar	Rachunath Kumar	Gawal	0.84	COS-96268		No Control	316	No Control	316	0	126400	N/A	N/A
10	Anakhey Lal	Pyare Lal	Faridpur Haveli	0.56	COS-96268				225	274	90000	49000	49000	21.76%
11	Rachuraj Singh	Hajai Singh	Fatehpur	0.49	COS-96268				214	264	85600	30000	30000	23.36%
12	Rajveer	Ganpat	Nurdhala	1.00	CO-185				261	360	104400	99000	99000	37.93%
13	Harim Singh	Dalveer Singh	Achalpur	0.84	CO-118				228	269	91200	41000	41000	17.98%
14	Hafim Khan	Kayam Khan	Rugarpur	0.80	COS-99014				237	271	94800	34000	34000	14.35%
15	Munesh Singh	Surendra Singh	Hisot	0.50	CO-0238				213	258	85200	103200	45000	21.13%
16	Karniwal Singh	Pancham Singh	Nemtabad	2.00	CO-185				DATA WAS NOT RECORDED FOR THIS PLOT					
17	Shiv Kumar	Ompal Kumar	Lakhanwala	0.91	COS-767				PLOT WAS DISREGARDED AS SUGARCANE GOT SPOILT BECAUSE OF EXTERNAL FACTORS					
18	Radheyshyam Singh	Rishal Singh	Ram Nagar	0.42	COS-8436				PLOT WAS DISREGARDED AS SUGARCANE GOT SPOILT BECAUSE OF EXTERNAL FACTORS					
19	Prempal	Jaswant	Bansil	0.84	CO-185				PLOT WAS DISREGARDED AS SUGARCANE GOT SPOILT BECAUSE OF EXTERNAL FACTORS					
20	Surinder Singh	Girral Singh	Aeroli	1.00	CO-185				PLOT WAS DISREGARDED AS SUGARCANE GOT SPOILT BECAUSE OF EXTERNAL FACTORS					
<b>Total&gt;&gt;&gt;</b>				<b>17.740</b>			<b>0.000</b>	<b>0.000</b>						

AVERAGE CONTROL YIELD	<b>81784</b>
AVERAGE TREATED YIELD	<b>105292</b>
INCREASE IN YIELD - RANGE	<b>11.58% - 82.30%</b>

For AQUAGRI PROCESSING PVT. LTD.



**ABHIRAM SETH**  
Managing Director



**Triveni Engineering & Industries Ltd., Sugar Unit- Khatauli**  
**List of Aquasap Application**

**List of selected test Plots of Aqua Agri Sap for Spring Planting- 2009**

S. No.	Name of Farmer	Father Name	Village	Area (Hect)	Variety	Date of planting	Area (Hectres)		Result in (5mX5m) Area		Result translated to 1 Hectare		Benefit to the farmer of Increase in Yield (Rs)	%age Increase in yield
							Control	Treated	Control	Treated	Control	Treated		
1	Mahendra	Kheodu	Hazipur	0.24	Cose-98231	11/10/2008	0.08	0.16	284	307	113600	122800	23000	8.10%
2	Padam Singh	Aatru Singh	Buwada kelli	0.26	Cose-98231	8/10/2008	0.05	0.22	199	230	79600	92000	31000	15.58%
3	Mahender	Ram Singh	Dahod	0.15	Cose-98231	N/A	0.02	0.13	232	245	92800	98000	13000	5.60%
4	Mad Noman	Md. Mumtaz	Khanlapur	0.40	Cose-98231	N/A	0.20	0.20	197	262	78800	104800	65000	32.99%
5	Rakam Singh	Mahar Singh	Antwada	0.17	Cose-98231	N/A	0.09	0.09	193	221	77200	88400	28000	14.51%
6	Nareesh Kr.	Bharat	Hazipur	0.20	Cose-98231	N/A	0.10	0.10	197	215	78800	86000	18000	9.14%
7	Ram Singh	Kale	Antwada	0.20	Cose-98231	N/A	0.10	0.10	143	163	57200	65200	20000	13.99%
8	Kamwal Singh	Raghuveer	Antwada	0.60	Cose-98231	N/A	0.20	0.40	164	194	65600	77600	30000	18.29%
9	Arma Ram	Bojjeet	Sardhan	0.35	Cose-98231	N/A	0.07	0.28	314	374	125600	149600	60000	19.11%
10	Ramu	Samay Singh	Khatauli	0.34	Cose-98231	N/A	0.08	0.16	296	395	118400	158000	99000	33.45%
11	Nareesh Kr.	Dharmraj	Paiddi	0.24	Cose-98231	7/11/2008	0.17	0.17	284	307	113600	122800	23000	8.10%
12	Ashok	Kabul	Antwada	0.13	Cose-98231	10/10/2008	0.07	0.07	233	242	93200	96800	9000	3.86%
13	Samay Singh	Harpal Singh	Gangdhar	0.20	Coj-64	2/10/2008	0.07	0.13	219	259	87600	103600	40000	18.26%
14	Mange	Har Ram	Nildoo	0.22	Coj-64	N/A	0.07	0.15	251	282	100400	112800	31000	12.35%
15	Kishanpal	Shivcharan	Lohada	0.18	Co-0238	10/15/2008	0.05	0.13	166	197	66400	78800	31000	18.67%
16	Inder Singh	Chatru	Satheri	0.26	Co-0238	N/A	0.07	0.19	199	230	79600	92000	31000	15.58%
17	Annan Singh	Har Ram	Sardhan	0.28	Co-0238	N/A	0.04	0.24	319	370	127600	148000	51000	15.99%
18	Krishanpal	Bhagwandas	Gangdhar	0.21	Co-0238	3/10/2008	0.07	0.14	292	310	116800	124000	18000	6.16%
19	Ramu	Samay Singh	Khatauli	0.23	Co8436	N/A	0.07	0.16	309	358	123600	143200	49000	15.86%
20	Pushta Devi	Ramveer	Ladpur	1.18	Co-96269	N/A	1.00	0.18	205	247	82000	98800	42000	20.49%
<b>Total&gt;&gt;&gt;</b>				<b>6.044</b>			<b>2.651</b>	<b>3.393</b>						

AVERAGE CONTROL YIELD	93920
AVERAGE TREATED YIELD	108160
INCREASE IN YIELD - RANGE	3.86% - 33.45%



**For AQUAGRI PROCESSING PVT. LTD.**

**ABHIRAM SETH**  
Managing Director

**Triveni Engineering & Industries Ltd., Sugar Unit- Deoband**  
**List of Aquasap Application.**

**List of selected test Plots of Aqua Agri Sap for Autumn Planting- 2009**

S. No.	Name of Farmer	Village	Area (Hect)	Variety	Date of Planting	Area (Hectres)		Result in (5mX5m) Area		Result translated to 1 Hectare		Benefit to the farmer of increase in Yield (Rs)	%age increase in yield
						Control	Treated	Control	Treated	Control	Treated		
1	Vitay	Lakhnauti	0.29	COS-8436	02.10.08	0.04	0.25	187	200	74800	80000	13000	6.95%
2	Tapra	Kendki	0.42	COS-98231	03.10.08	0.21	0.21	119	123	47600	49200	4000	3.36%
3	Ratan Singh/Ram Singh	Bhaila Kalan		COS-98231				182	203	72800	81200	21000	11.54%
4	Tasaduq	Thitki	0.28	COS-88230	09.11.08	0.07	0.21	213	229	85200	91600	16000	7.51%
5	Amarulla	Matura	0.35	COS-88230	08.11.08	0.05	0.30	232	209	92800	83600	-23000	-9.91%
6	Hajiliva	Kutesra	0.66	COS-88230	29.10.08	0.06	0.60	202	214	80800	85600	12000	5.94%
7	Sarfrai	Kutesra	0.42	COS-88230	14.10.08	0.06	0.36	193	198	77200	79200	5000	2.59%
8	Khalik Ali	Kutesra	0.42	COS-88230	08.10.09	0.06	0.36	188	195	75200	78000	7000	3.72%
9	Mohammad Yusuf	Kutesra	0.29	COJ-64	22.10.08	0.09	0.20	164	176	65600	70400	12000	7.32%
10	Shakti Singh/Sitaram	Bhaila Kalan		COJ-64				165	225	66000	90000	60000	36.36%
11	Tel Pal/Sadhu	Jaroda Jatta		COJ-64				225	232	90000	92800	7000	3.11%
12	Rankishar	Makbara	0.56	COJ-64	08.10.08	0.14	0.42			NO DATA RECORDED FOR THIS PLOT			
13	Raj Singh	Bhaila Kalan	0.77	COS-8436	14.10.08	0.07	0.70			NO DATA RECORDED FOR THIS PLOT			
14	Rishpal	Rankhandi	1.21	COS-8436	02.10.08	0.21	1.00			NO DATA RECORDED FOR THIS PLOT			
15	Rishpal Singh	Gunarsi	0.70	COJ-64	16.10.08	0.21	0.49			NO DATA RECORDED FOR THIS PLOT			
16	Asgar	Noonabari	0.42	COJ-64	05.11.08	0.04	0.39			NO DATA RECORDED FOR THIS PLOT			
17	Khili Lal	Jatol Tayya	0.21	COS-88230	18.10.08	0.07	0.14			NO DATA RECORDED FOR THIS PLOT			
18	Krishan	Matura	0.31	COJ-64	04.11.08	0.14	0.17			NO DATA RECORDED FOR THIS PLOT			
<b>Total&gt;&gt;&gt;</b>			<b>3.130</b>			<b>0.640</b>	<b>2.490</b>						

AVERAGE CONTROL YIELD	<b>75272</b>
AVERAGE TREATED YIELD	<b>80145</b>
INCREASE IN YIELD - RANGE	<b>(9.91%) - 36.36%</b>



For AQUAGRI PROCESSING PVT. LTD.

**ABHIRAM SETH**  
Managing Director

## Results Visual Depiction





Results Discussion: The best results were achieved for the variety Cos-767 at 28.16% and Cos-8436 at 21.62%. There was also feedback from the farmers that in certain areas the spray helped to remove fungus which was prevalent in the plot and attack of other insects was also reduced.

When the product was applied to the plant root by direct application through water instead of foliar, the weed problem also showed an increase, this has to be taken into account when applying Aquasap along with water to the sugarcane fields.

After the first and second spray there was a visual distinction between the control and treated plot. Initially there is visible plant vigor and foliar difference between control and treatment. But this difference could not be seen after the one year cycle was completed. The difference had to be mapped by weighing the cane from both control/treated side of the plot.

Typically it was noted that the farmer treats cost of spraying @ Rs. 500/Acre so there was a clear resistance seen by the farmers for the application of the third and fourth spray. Also it is very difficult for the farmer to enter the cane field 6-7 months after planting. So the protocol for 2010 has been modified to seed dip + 2 foliar applications. That is a total of 16 Liters of Aquasap per Acre. This modified protocol has been in practice at Renuka Sugars and the results are at par.

For AQUAGRI PROCESSING PVT. LTD.

ABHIRAM SETH  
Managing Director



**ADDITIONAL COMMENTS (TEIL)**