

Technofert Demo Trial Ortaca - Muğla

Prepared by:
Market Development Department
Doktor Tarsa - SQM / Turkey

Farmer Name : **Talat Gürcü**
Plant : **Tomato** (short cycle)
Trial Area : **0,075 ha**
Control Plot : **0,075 ha**
Variety : **Harmony F1**
Planting : **13/08/2008**
Plant Density : **30.000 plant/ha**
Water Source : **Well**

TOTAL FERTILIZER USED BY FARMER

Fertilizing programme between 21.08.2008 - 30.11.2008

FERTILIZER	Dosage (Kg/ha)	Nutrients											
		Kg/ha											
		N	P ₂ O ₅	K ₂ O	S	CaO	MgO	Fe	Cu	Zn	Mn	Mo	B
18-18-18	333	60,0	60,0	60,0				0,167	0,0333	0,067	0,067	0,0033	0,0333
NPK 8-32-5	53	4,3	17,1	2,7									
NPK 20-20-20	333	66,7	66,7	66,7				0,167	0,0333	0,067	0,067	0,0033	0,0333
NPK 17-6-25	267	45,3	16,0	66,7				0,133	0,0267	0,053	0,053	0,0027	0,0267
Calmag	267	37,3				46,67	17,3						
Potassium Sulphate	240			122,4	43,2								
Ammonium Nitrate	120	39,6											
TOTAL	1.613	253,20	159,73	318,40	43,20	46,67	17,33	0,47	0,09	0,19	0,19	0,009	0,09

N:P:K

1,6

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TOTAL FOLIAR FERTILIZERS BY DRT

Fertilizing programme between 21.08.2008 - 30.11.2008

FERTILIZER	Dosage kg/ ha	Nutrients											
		Kg/Da											
		N	P ₂ O ₅	K ₂ O	S	CaO	MgO	Fe	Cu	Zn	Mn	Mo	B
Technofert 10-38-17	187	18,7	70,9	31,7				0,280	0,028	0,056	0,056	0,002	0,019
Technofert 18-17-21	480	86,4	81,6	100,8				0,720	0,072	0,144	0,144	0,005	0,048
Technofert 14-13-30	493	69,1	64,1	148,0				0,740	0,074	0,148	0,148	0,005	0,049
Calmag	520	72,8				91,0	33,8						
Ammonium Nitrate	80	26,4											
Potassium Sulphate	320			163,2	57,6								
TOTAL FERTILIZER	2.080	273,3	216,7	443,7	57,6	91,0	33,8	1,740	0,174	0,348	0,348	0,012	0,116
Fertilizer Dosage by Farmer	1.613	253,2	159,7	318,4	43,2	46,7	17,3	0,470	0,090	0,190	0,190	0,009	0,090
Difference	467	20,13	56,94	125,33	14,400	44,330	16,470	1,270	0,084	0,158	0,158	0,003	0,026

Technofert Trial – 62 Days Later



FARMER



DRT- Technofert

Technofert Trial – 62 Days Later



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Technofert Trial – 90 Days Later



FARMER



DRT- Technofert

Technofert Trial – 97 Days Later



FARMER



DRT- Technofert



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TOTAL FERTILIZING

TOTAL	Dosage kg/ha	kg/ha								
		N	P ₂ O ₅	K ₂ O	CaO	MgO	S	Fe	Zn	B
DRT&SQM	2080	273,0	217,0	444,0	91,0	34,0	58,0	1,74	0,35	0,12
Farmer	1610	253,0	160,0	318,0	47,0	17,0	43,0	0,50	0,20	0,10
Difference	470	20,00	57,00	126,00	44,00	17,00	15,00	1,24	0,15	0,02
%	29%	8%	36%	40%	94%	100%	35%	248%	75%	20%

Benefit & Cost (\$)

	Unit	Farmer	DRT&SQM	Difference
Total Fertilizer Cost	\$/ha	5496,6	6778,6	1282
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Yield	Ton/ha	97,20	126,20	29
Price	\$/Ton	433,33	433,33	0
Gross Income	\$/ha	42120	54686	12567

Net Income	\$/ha	36623	47908	11285
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Increase in Income 31%

Increase in Yield 30%

- ★ Better fruit quality and color observed at Technofert applied plot.
- ★ 31% yield increase observed at Tecnofert applied plot.
- ★ Extra 1693 TL income increased from decare by Farmer thanks to Technofert.
- ★ Farmer satisfaction from application was very high and Technofert difference is also observed by neighbor farmers.
- ★ Neighbor farmers asked market release date of Technofert to buy.
- ★ Technofert difference was demonstrated by local important stores to other farmers.
- ★ With this trial Technofert name announced and introduced to local farmers and stores.



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"I haven't imagined before that a fertilizer increase my income that much." said by Talat GURCU