

Technofert Demo Trial Konaklı - Alanya 2009

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

Farmer Name : **Latif Oğuz**
Plant : **Cucumber (Long cycle)**
Trial Area : **0,1 ha**
Control Plot : **0,1 ha**
Variety : **Kafkas F1**
Planting : **20/11/2008**
Plant Density : **30.000 plant/ha**
Water Source : **Well**



TOTAL FERTILIZER USED BY FARMER

CULTIVATION PERIOD (MONTH)	FERTILIZER	Dosage (Kg/Ha)	NUTRIENTS											
			Kg/Ha											
			N	P ₂ O ₅	K ₂ O	S	CaO	MgO	Fe	Cu	Zn	Mn	Mo	
TOTAL FERTILIZING	18-18-18	750	135,0	135,0	135,0					1,125	0,113	0,225	0,225	0,008
	Ammonium Nitrate	250	82,5											
	MAP	250	30,0	152,5										
	Calcinit	250	38,8				65,0							
	Mors Organic	750	75,0							0,008	0,750	0,750		
	Potassium Nitrate	250	33,8		116,3									
TOTAL FERTILIZING		2.500	395,0	287,5	251,3	0,0	65,0	0,0	1,125	0,120	0,975	0,975	0,008	



TOTAL FERTILIZERS USED BY DRT

CULTIVATION PERIOD (MONTH)	Day	FERTILIZER	Dosage (Kg/ Ha)	NUTRIENTS											
				Kg/Ha											
				N	P ₂ O ₅	K ₂ O	S	CaO	MgO	Fe	Cu	Zn	Mn	Mo	B
December	0	Technofert 10-38-17	140	14,0	53,2	23,8				0,210	0,021	0,042	0,042	0,001	0,014
		Technofert 18-17-21	40	7,2	6,8	8,4				0,060	0,006	0,012	0,012	0,000	0,004
		Magnesium Sulphate	60				7,2		9,6						
		Calcinit	60	9,3					15,6						
January	0 - 30	Technofert 18-17-21	150	27,0	25,5	31,5				0,225	0,023	0,045	0,045	0,002	0,015
		Calcinit	60	9,3					15,6						
		Magnezium Sulphate	60				7,2		9,6						
		Technofert 14-13-30	80	11,2	10,4	24,0				0,120	0,012	0,024	0,024	0,001	0,008
February	30 - 60	Technofert 14-13-30	220	30,8	28,6	66,0				0,330	0,033	0,066	0,066	0,002	0,022
		Technofert 18-17-21	100	18,0	17,0	21,0				0,150	0,015	0,030	0,030	0,001	0,010
		Calcinit	80	12,4					20,8						
		Magnesium Sulphate	60				7,2		9,6						
March	60 - 90	Technofert 14-13-30	250	35,0	32,5	75,0				0,375	0,038	0,075	0,075	0,003	0,025
		Hydroponica	100	13,5		45,5									
		Calcinit	80	12,4					20,8						
		Magnesium Sulphate	60				7,2		9,6						
April	90 - 100	Technofert 14-13-30	200	28,0	26,0	60,0				0,300	0,030	0,060	0,060	0,002	0,020
		Hydroponica	60	8,1		27,3									
		Calcinit	40	6,2					10,4						
TOTAL FERTILIZING			1.900	242,4	200,0	382,5	28,8	83,2	38,4	1,770	0,177	0,354	0,354	0,012	0,118



Technofert Trial – 38 Days Later

28.12.2009



FARMER

technofert[®]



Technofert Trial – 38 Days Later

28.12.2009

13 cm



14,5 cm



FARMER

technofert[®]



Technofert Trial – 54 Days Later

13.01.2009



FARMER

technofert[®]



Technofert Trial – 54 Days Later

13.01.2009



FARMER



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Technofert Trial – 54 Days Later

13.01.2009



FARMER

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Technofert Trial – 75 Days Later

03.02.2009

Low temperature in February – Plants height to wires



FARMER

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Technofert Trial – 75 Days Later

03.02.2009



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Technofert Trial – 105 Days Later

05.03.2009



FARMER



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Technofert Trial – 105 Days Later

05.03.2009



FARMER

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Technofert Trial – 105 Days Later

05.03.2009



FARMER

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Technofert Trial – 125 Days Later

25.03.2009



FARMER

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Technofert Trial – 125 Days Later

25.03.2009



FARMER

Technofert Trial – 125 Days Later

25.03.2009



FARMER

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Technofert Trial – 152 Days Later

21.04.2009



FARMER

Technofert Trial – 179 Days Later

18.05.2009



FARMER

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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	1900	242,0	200,0	383,0	83,0	38,0	29,0	1,770	0,350	0,120
Farmer	2500	395,0	288,0	251,0	65,0	0,0	0,0	1,130	0,98	0,080
Difference	-600	-153,00	-88,00	132,00	18,00	38,00	29,00	0,64	-0,63	0,04
%	-24%	-39%	-31%	53%	28%	0%	0%	57%	-64%	50%

Benefit & Cost (\$)

	Unit	Farmer	DRT&SQM	Difference
Total Fertilizer Cost	\$/ha	5.600,00	4.733,30	-866,70
Total Cost	\$/ha	5.600,00	4.733,30	-866,70

Yield	Ton/ha	196,70	207,90	11,2
Price	\$/Ton	400,00	400,00	0,00
Gross Income	\$/ha	78.680,00	83.160,00	4.480,00

Net Income	\$/ha	73.080,00	78.426,70	5.346,70
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Increase in Income 7%

Increase in Yield 6%

\$ = 1,5 YTL

- ★ The plot where Technofert is applied had growth difficulties in winter. Every winter, plants growth was worse than other side. Fruit growth had difficulties. As a result , although the problematic plot had chosen for trial, plant height and fruit size increased like as total yield according to non-problematic side.
- ★ 6% more yield was observed from hectare at Technofert applied plot. Farmer had 8.030 TL more profit from hectare by applying this fertilizer.
- ★ Farmer is quite satisfied from fertilizer. Because he had very good results from the plot he had been experiencing bad results every year. Distributor is also satisfied from the fertilizer and as he reported, he is going to sell Technofert according to agreement on price next year.
- ★ With this trial Technofert name announced and introduced to local farmers and stores.





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“ This fertilizer makes you profit.” said by Latif Oguz.

