

Technofert Demo Trial Demre – Antalya 2010-2011

Prepared by:
Market Development Department
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Farmer Name : **Mehmet Karaca**
Plant : **Pepper**
Trial Area : **0,06 ha**
Control Plot : **0,06 ha - 0,06 ha**
Variety : **35 403 F1**
Planting : **18/09/2010**
Plant Density : **18.500 plant/ha**
Water Source : **Well**



Technofert Trial 2010-2011

<p>Brand «X» 600 m²</p>	<p>Brand «Y» 600 m²</p>	<p>TECHNOFERT 600 m²</p>

* X and Y brands are well known brand in the market.

TOTAL FERTILIZING OF BRAND «X»

CULTIVATION PERIOD (MONTH)	Day	FERTILIZER	App. Time	Kg/ Ha	Dosage (Kg/ Ha)	NUTRIENTS												
						Kg/ Ha												
						N	P ₂ O ₅	K ₂ O	S	CaO	MgO	Fe	Cu	Zn	Mn	Mo	B	
October 15- November 15	30 - 60	X brand 18-18-18	4	25	100	18,0	18,0	18,0				0,150	0,015	0,030	0,030	0,001	0,010	
		X brand 7-12-40	4	10	40	2,8	4,8	16,0				0,060	0,006	0,012	0,012	0,000	0,004	
		CaIMag	4	20	80,00	11,2				14,0	5,2							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
November 15 December 15	30 - 60	X brand 18-18-18	4	25	100	18,0	18,0	18,0				0,150	0,015	0,030	0,030	0,001	0,010	
		X brand 7-12-40	4	10	40	2,8	4,8	16,0				0,060	0,006	0,012	0,012	0,000	0,004	
		CaIMag	4	10	40,00	5,6				7,0	2,6							
		Ammonium Nitrate	4	7,5	30,00	9,9												
		Ferrostrene	2	1	2,0							0,120						
Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008			
December 15 January 15	30 - 60	X brand 18-18-18	4	30	120	21,6	21,6	21,6				0,180	0,018	0,036	0,036	0,001	0,012	
		X brand 7-12-40	4	10	40	2,8	4,8	16,0				0,060	0,006	0,012	0,012	0,000	0,004	
		CaIMag	4	10	40,00	5,6				7,0	2,6							
		Ammonium Nitrate	4	7,5	30,00	9,9												
		Ferrostrene	2	1	2,0							0,120						
Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008			
January 15- February 15	30 - 60	X brand 18-18-18	4	40	160	28,8	28,8	28,8				0,240	0,024	0,048	0,048	0,002	0,016	
		X brand 7-12-40	4	15	60	4,2	7,2	24,0				0,090	0,009	0,018	0,018	0,001	0,006	
		CaIMag	4	10	40,00	5,6				7,0	2,6							
		Ammonium Nitrate	4	7,5	30,00	9,9												
		Ferrostrene	2	1	2,0							0,120						
Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008			
February 15- March 15	30 - 60	X brand 18-18-18	4	20	80	14,4	14,4	14,4				0,120	0,012	0,024	0,024	0,001	0,008	
		X brand 7-12-40	4	40	160	11,2	19,2	64,0				0,240	0,024	0,048	0,048	0,002	0,016	
		CaIMag	4	15	60,00	8,4				10,5	3,9							
		Ammonium Nitrate	4	7,5	30,00	9,9												
		Ferrostrene	2	1	2,0							0,120						
Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008			
March 15- April 15	30 - 60	Hydroponica (Pot.Nit.)	4	40	160,0	24,8		72,8										
		Ammonium Nitrate	4	20	80,0	26,4												
		CaIMag	4	10	40,00	5,6				7,0	2,6							
April 15-May 15	30 - 60	Hydroponica (Pot.Nit.)	4	40	160,0	24,8		72,8										
		Ammonium Nitrate	4	20	80,0	26,4												
		CaIMag	4	10	40,00	5,6				7,0	2,6							
TOTAL FERTILIZING					1.860	317,5	141,6	382,4	0,0	59,5	22,1	2,6	0,2	0,6	0,5	0,0	0,1	



TOTAL FERTILIZING OF BRAND «Y»

CULTIVATION PERIOD (MONTH)	Day	FERTILIZER	App. Time	Kg/ Ha	Dosage (Kg/ Ha)	NUTRIENTS												
						Kg/ Ha												
						N	P ₂ O ₅	K ₂ O	S	CaO	MgO	Fe	Cu	Zn	Mn	Mo	B	
October 15- November 15	30 - 60	Y brand 20-20-20	4	25	100	20,0	20,0	20,0				0,150	0,015	0,030	0,030	0,001	0,010	
		Y brand 15-10-30	4	10	40	6,0	4,0	12,0				0,060	0,006	0,012	0,012	0,000	0,004	
		CaMAG	4	15	60,00	8,4				10,5	3,9							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
November 15- December 15	30 - 60	Y brand 20-20-20	4	20	80	16,0	16,0	16,0				0,120	0,012	0,024	0,024	0,001	0,008	
		Y brand 15-10-30	4	20	80	12,0	8,0	24,0				0,120	0,012	0,024	0,024	0,001	0,008	
		CaMAG	4	10	40,00	5,6				7,0	2,6							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
December 15- January 15	30 - 60	Y brand 20-20-20	4	22	88,0	17,6	17,6	17,6				0,132	0,013	0,026	0,026	0,001	0,009	
		Y brand 15-10-30	4	14	56,0	8,4	5,6	16,8				0,084	0,008	0,017	0,017	0,001	0,006	
		CaMAG	4	10	40,00	5,6				7,0	2,6							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
January 15- February 15	30 - 60	Y brand 20-20-20	4	40	160,0	32,0	32,0	32,0				0,240	0,024	0,048	0,048	0,002	0,016	
		Y brand 15-10-30	4	20	80,0	12,0	8,0	24,0				0,120	0,012	0,024	0,024	0,001	0,008	
		CaMAG	4	10	40,00	5,6				7,0	2,6							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
February 15- March 15	30 - 60	Y brand 20-20-20	4	15	60,0	12,0	12,0	12,0				0,090	0,009	0,018	0,018	0,001	0,006	
		Y brand 15-10-30	4	50	200,0	30,0	20,0	60,0				0,300	0,030	0,060	0,060	0,002	0,020	
		CaMAG	4	15	60,00	8,4				10,5	3,9							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
March 15- April 15	30 - 60	Hydroponica (Pot.Nt.)	4	40	160,0	24,8		72,8										
		Ammonium Nitrate	4	15	60,0	19,8												
		CaMAG	4	15	60,00	8,4				10,5	3,9							
April 15-May 15	30 - 60	Hydroponica (Pot.Nt.)	4	45	180,0	27,9		81,9										
		Ammonium Nitrate	4	20	80,0	26,4												
		CaMAG	4	15	60,00	8,4				10,5	3,9							
TOTAL FERTILIZING					1.804	318,6	143,2	389,1	0,0	63,0	23,4	2,6	0,2	0,6	0,5	0,0	0,1	



TOTAL FERTILIZING OF TECHNOFERT

CULTIVATION PERIOD (MONTH)	Day	FERTILIZER	App. Time	Kg/ Ha	Dosage (Kg/ Ha)	NUTRIENTS												
						Kg/ Ha												
						N	P ₂ O ₅	K ₂ O	S	CaO	MgO	Fe	Cu	Zn	Mn	Mo	B	
October 15- November 15	30 - 60	Technofert 18-17-21	4	25	100	18,0	17,0	21,0				0,150	0,015	0,030	0,030	0,001	0,010	
		Technofert 14-13-30	4	10	40	5,6	5,2	12,0				0,060	0,006	0,012	0,012	0,000	0,004	
		CaMAG	4	15	60,00	8,4				10,5	3,9							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
November 15- December 15	30 - 60	Technofert 18-17-21	4	20	80	14,4	13,6	16,8				0,120	0,012	0,024	0,024	0,001	0,008	
		Technofert 14-13-30	4	20	80	11,2	10,4	24,0				0,120	0,012	0,024	0,024	0,001	0,008	
		CaMAG	4	10	40,00	5,6				7,0	2,6							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
December 15- January 15	30 - 60	Technofert 18-17-21	4	22,5	90,0	16,2	15,3	18,9				0,135	0,014	0,027	0,027	0,001	0,009	
		Technofert 14-13-30	4	17	68,0	9,5	8,8	20,4				0,102	0,010	0,020	0,020	0,001	0,007	
		CaMAG	4	10	40,00	5,6				7,0	2,6							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
January 15- February 15	30 - 60	Technofert 18-17-21	4	40	160,0	28,8	27,2	33,6				0,240	0,024	0,048	0,048	0,002	0,016	
		Technofert 14-13-30	4	20	80,0	11,2	10,4	24,0				0,120	0,012	0,024	0,024	0,001	0,008	
		CaMAG	4	10	40,00	5,6				7,0	2,6							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
February 15- March 15	30 - 60	Technofert 18-17-21	4	15	60,0	10,8	10,2	12,6				0,090	0,009	0,018	0,018	0,001	0,006	
		Technofert 14-13-30	4	50	200,0	28,0	26,0	60,0				0,300	0,030	0,060	0,060	0,002	0,020	
		CaMAG	4	15	60,00	8,4				10,5	3,9							
		Ferrostrene	2	1	2,0							0,120						
		Docto - Combi Foliar	2	1	2,0	0,7						0,120	0,010	0,060	0,050	0,002	0,008	
March 15- April 15	30 - 60	Hydroponica (Pot.Nt.)	4	40	160,0	24,8		72,8										
		Ammonium Nitrate	4	25	100,0	33,0												
		CaMAG	4	15	60,00	8,4				10,5	3,9							
April 15- May 15	30 - 60	Hydroponica (Pot.Nt.)	4	40	160,0	24,8		72,8										
		Ammonium Nitrate	4	20	80,0	26,4												
		CaMAG	4	15	60,00	8,4				10,5	3,9							
TOTAL FERTILIZING					1.838	316,4	144,1	388,9	0,0	63,0	23,4	2,6	0,2	0,6	0,5	0,0	0,1	

COMPARISON OF TOTAL FERTILIZERS

	N	P ₂ O ₅	K ₂ O	S	CaO	MgO	Fe	Cu	Zn	Mn	Mo	B	
X BRAND FERTILIZING	1.860	317,5	141,6	382,4	0,0	59,5	22,1	2,6	0,0	0,6	0,5	0,0	0,0
Y BRAND FERTILIZING	1.804	318,6	143,2	389,1	0,0	63,0	23,4	2,6	0,0	0,6	0,5	0,0	0,0
TECHNOFERT FERTILIZING	1.838	316,4	144,1	388,9	0,0	63,0	23,4	2,6	0,0	0,6	0,5	0,0	0,0

- At this trial, different fertilizer brands were applied on each 3 sides but the straight fertilizers amount kept approximately same to understand difference between every fertilizer brand clearly.



Technofert Trial – 27 Days Later

X Brand

14.10.2010

Y Brand



Technofert Trial – 48 Days Later

X Brand

04.11.2010

Y Brand



Technofert Trial – 48 Days Later

X Brand

04.11.2010

Y Brand



Technofert Trial – 90 Days Later

X Brand

16.12.2010

Y Brand



Technofert Trial – 118 Days Later

X Brand

13.01.2011

Y Brand



Technofert Trial – 118 Days Later

X Brand

13.01.2011

Y Brand



Technofert Trial – 118 Days Later

X Brand

13.01.2011

Y Brand



Technofert Trial – 157 Days Later

X Brand

21.02.2011

Y Brand



Technofert Trial – 157 Days Later

X Brand

21.02.2011

Y Brand



Technofert Trial – 182 Days Later

X Brand

18.03.2011

Y Brand



Technofert Trial – 182 Days Later

X Brand

18.03.2011

Y Brand



Technofert Trial – 243 Days Later

X Brand

18.05.2011

Y Brand



Technofert Trial – 243 Days Later

18.05.2011



Technofert Trial – 243 Days Later

18.05.2011



Benefit & Cost (TL)

Technofert vs Brand «Y»

	Unit	Brand Y	Technofert	Brand X
Total Fertilizer Cost	TL/ha	9.288,40	6.716,40	5.662,00
Yield	Ton/ha	91,01	107,23	92,01
Price	TL/Ton	1.510,00	1.510,00	1.510,00
Gross Income	TL/ha	137.425,10	161.917,30	138.935,10

Net Income	TL/ha	128.136,70	155.200,90	133.273,10
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Increase in Income	21%
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Increase in Yield	18%
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Benefit & Cost (TL)

Technofert vs Brand «X»

	Unit	Brand Y	Technofert	Brand X
Total Fertilizer Cost	TL/ha	9.288,40	6.716,40	5.662,00
Yield	Ton/ha	91,01	107,23	92,01
Price	TL/Ton	1.510,00	1.510,00	1.510,00
Gross Income	TL/ha	137.425,10	161.917,30	138.935,10
Net Income	TL/ha	128.136,70	155.200,90	133.273,10

Increase in Income 16%

Increase in Yield 17%

- ★ According to comparison with Brand «Y» ;
The yield was better than «Y» during season. Plant development was better during winter. Plants were looking healthier with Technofert than others towards to end of season. Vegetative development was better.
- ★ According to comparison with Brand «X» ;
The yield was better than «X» during season. Plants are looking more green and healthier . Plant health and yield was better especially in winter and season end.





“ Performance is good, It worths the money you pay” said by Mehmet Karaca .

