

()

//

x

: ()
+ =T3 =T2 () =T1
+ =T5 + =T4
+ + =T6

Pdff

:

()

()

()

()

()

()

()

()

=T₁ :

=T₂ ()

()

/)

=T₃

:

=T₄ (P₂O₅

()

(*Bacillus megaterium* L.)

carrier

)

=T₅ .(

/)

() ³²P

/

)

=T₆ (

(

³²P

()

()

) Pdf

()

) Pdfs (

)

Pdff

(

.()

.(

³²P

()

(mg/kg)	(mg/kg)	(mg/kg)	(%)	(%)	(%)	(me/L)			(me/L)		()	
						Cl ⁻	SO ₄ ⁼	HCO ₃ ⁻	Na ⁺	K ⁺	Ca ²⁺ Mg ²⁺	EC(dS/m) pH
/	/	/	/	/	/	/	/	/	/	/	/	/

()

(gr/cm³)

/

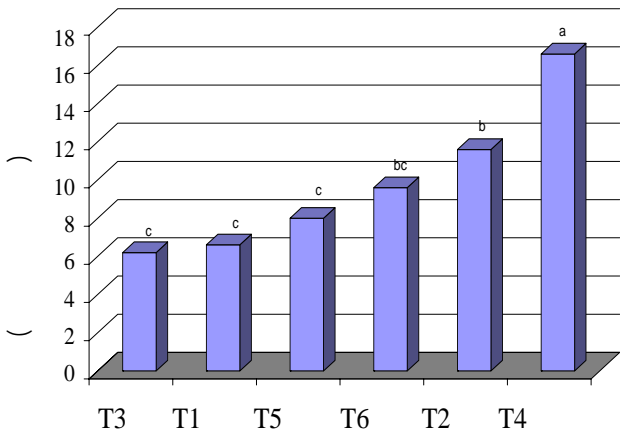
Clay loam

/

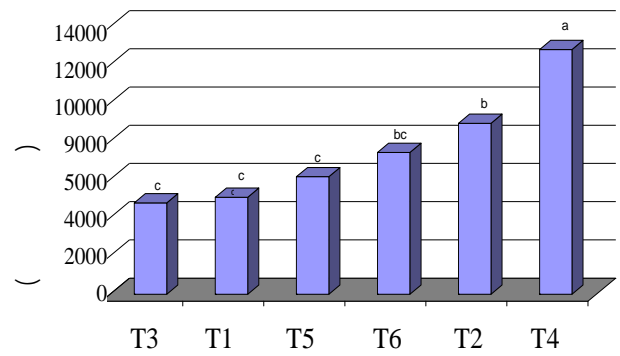
/

/

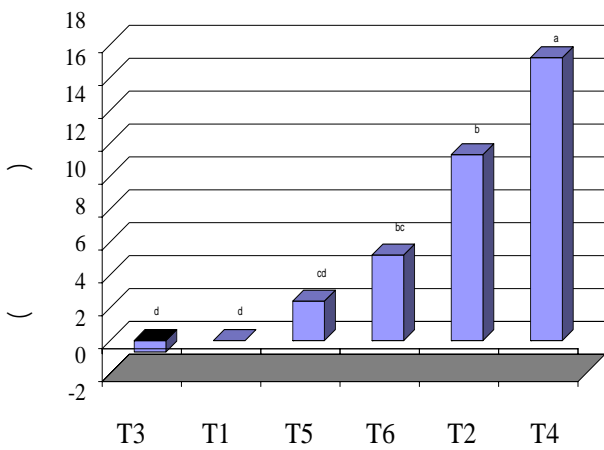
T₄ ()



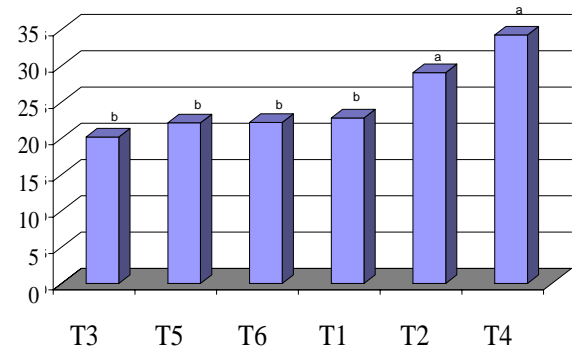
:
()
+) T₄
()



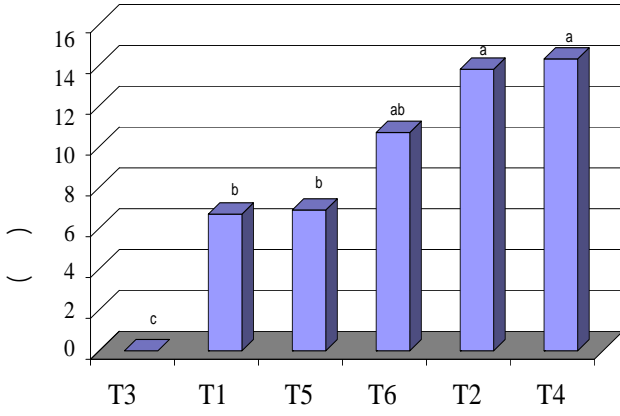
l)
T₄ ()



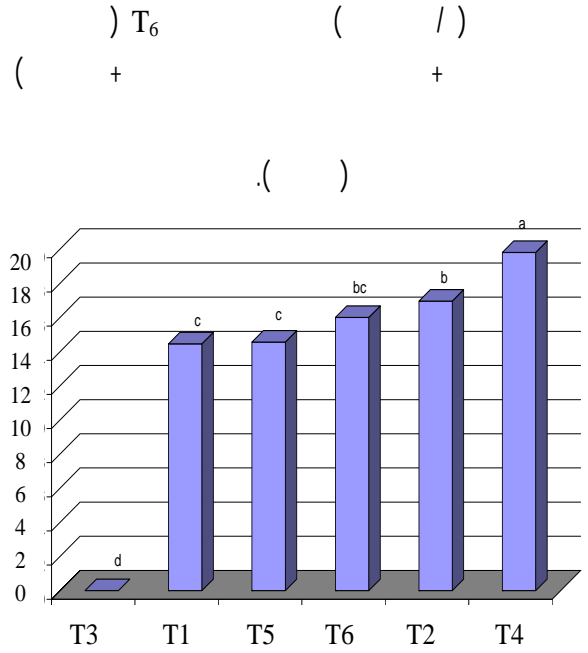
T₄ (/)
T₆ T₅ T₃ T₁
()



l)



(Pdff)



(FUE)

.()

(/)
 T₃ T₁ T₄
 .() T₅

/ ns	/ ns	/ ns	/ ns	/ ns	/ ns
/ ***	/ **	/ ***	/ ***	/ ***	/ **
/	/	/	/	/	/

ns **

/ ns	/ *	/ ns	/ ns	/ ns
/ ns	/ ns	/ ns	/ ns	/ ns

/	/	/	/	/	/	
n s						*
()) () ()			
/ c	/ b	d	d	/ c	c	T ₁ =Control
/ b	/ a	/ b	b	/ b	/ a	T ₂ = TSP
/ c	/ b	/ c	/ d	/ c	/ b	T ₃ = Ap
/ a	/ a	bc	/ a	/ a	/ a	T ₄ = Ap+PSB
/ c	/ b	/ c	/ cd	c	/ b	T ₅ = Ap+OM
/ bc	/ b	/ a	/ bc	/ bc	/ ab	T ₆ = Ap+PSB+OM
/	/	/	/	/	/	LSD 0.05

/)

/ :(

(=) T₁=Soil*

T₂

Pdfs=% /

Pdf(Ap)=% /
T₄=Soil*+Ap+PSB

Pdfs =%

Pdff =
T₂ =Soil*+TSP

(+) /

T₂

Pdfs=% /

Pdf(TSP)=% /
T₃=Soil*+Ap

T₃

T₂

()

$$\begin{aligned}
 & \dots \\
 & + \dots) T_4 \\
 & \quad \left(\dots \right) \\
 & \quad \text{Pdfs}=\% \quad \text{Pdf(Ap+PSB)}=\% \\
 & \quad T_5 = \text{Soil}^* + \text{Ap} + \text{OM} \\
 & \quad \left(\dots \right) T_2 \quad \left(\dots + \dots \right) / \\
 & \quad \dots / \\
 & T_5 \quad \text{Pdfs}=\% / \quad \text{Pdf(Ap+OM)}=\% / \\
 & \quad \left(\dots + \dots \right) \\
 & \quad \left(\dots \right) \\
 & \quad T_6 = \text{Soil}^* + \text{Ap} + \text{OM} + \text{PSB} \\
 & + \dots) T_6 \\
 & \quad \left(\dots + \dots \right) / \\
 & \quad \left(\dots \right) / \left(\dots + \dots \right) \\
 & T_3 \quad \text{Pdfs}=\% / \quad \text{Pdf(Ap+PSB+OM)}=\% / \\
 & \quad \left(\dots \right) \\
 & \quad \left(\dots \right) \quad \left(\dots \right) \\
 & \quad \left(\dots \right) \quad \left(\dots \right) \\
 & \quad \left(\dots \right) \quad \left(\dots \right) \\
 & \quad \left(\dots \right) \quad \text{pH} \\
 & \quad \left(\dots \right)
 \end{aligned}$$

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