

()

//

()

()

(, Mj/ha)

% ,

(, Mj/ha)

% ,

+

+

+

A

()

.()

()

)

(

,)

(

:

(ton/ha)

$$FuelEnergy = b.E_f$$

, Mj/kg

(L/ha)

: b

(Mj/L)

:E_f

%,

Mj/kg

.()

, Mj/L

.()

.()

%,

%

, Mj/L

, Mj/L



()



()



()



MF285



()



()

	pH	EC	N	P	K	Sand	Clay	Silt	Texture	Pd	OC	Lime
cm	1:5 CaCl ₂	ds/m	%	mg/Kg	mg/Kg	%	%	%		gr/cm ³	%	%
	,	,	,	,	,	,	,	,	Clay	,	,	,
	,	,	,	,	,	,	,	,	Clay	,	,	,
	,	,	,	,	,	,	,	,	Clay	,	,	,

Ec : Electro Conductivity Pd : Particle Density OC : Organic Carbon Lime : Total Ca Co₃

(E,F)

(A,B)

(Rimik CP 20 Cone

%

(CI)

Penetrometer)

.()

Mj/ha (C,D)

% ,

:

Mj/ha (B,D,F)

Mj/ha (A,C,E)

$$P_r = 10^{-6} \frac{F}{A} \text{ (MPa)}$$

F.

%

.()

% ,

.()

.()

$$P_e = \sum_1^n (P_{ri} \cdot z_i) 10^3 \text{ (Kj/m}^2\text{)}$$

Q P

P_{ri}

P_e

Z_i

i

A

F

.()

() Q () P

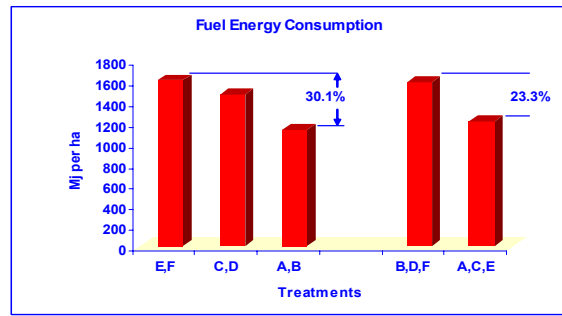
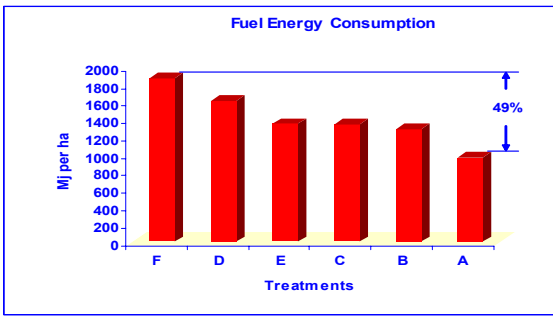
%

.()

.()

()

	(Mj/ha)	(ton/ha)	(Mj/ha)	(ton/ha)	
	a	a	a	a	A
	ab	a	ab	a	B
	b	a	ab	a	C
	b	a	b	a	D
	ab	a	ab	a	E
	b	a	b	a	F
					:
					:
					%



: B,D,F

: A,C,E

: E,F

: C,D

: A,B

()

A
D %
() F

D A
F A

()

F D

A

()

(ton/ha)		(ton/ha)		
, b	, a	, b	, a	C,D
, b	, a	, b	, a	E,F
, a	, a	, a	, a	A,B
,	,	,	,	:
,	,	,	,	:
, a	, a	, a	, a	B,D,F
, a	, a	, a	, a	A,C,E
,	,	,	,	:
,	,	,	,	:
				%

Kj/m²

Kj/m²

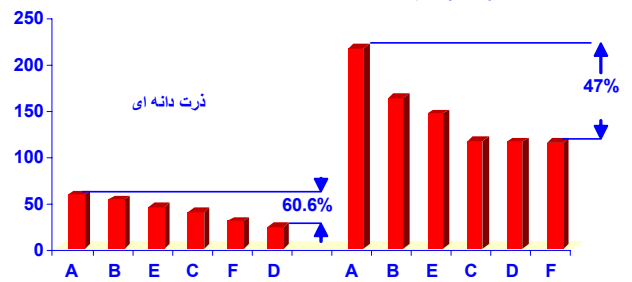
()

F E

Q P

نسبت انرژی

ذرت علوفه ای



Kj/m²

()

(+)E

(+)C

B A

%

Kj/m²

()

(Cm)

, c	, c	, c	, c	, c	, c	, bc	, ab	A
bc	bc	bc	bc	bc	bc	b	ab	B
, bc	, c	c	, c	, c	, bc	, c	, b	C
abc	bc	bc	, c	, c	bc	bc	ab	D
, a	, a	, a	, a	, a	, a	, a	, a	E
, ab	, ab	, ab	, b	, b	, b	, b	, ab	F
, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	:
, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	:

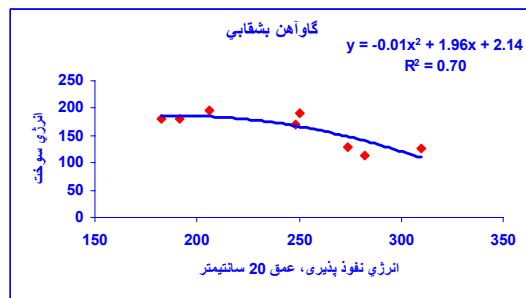
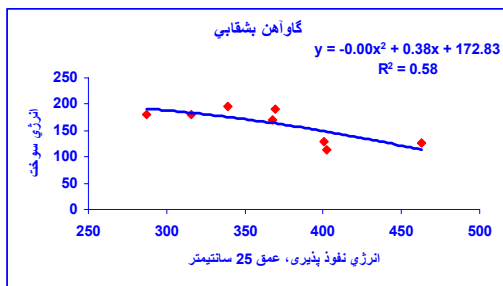
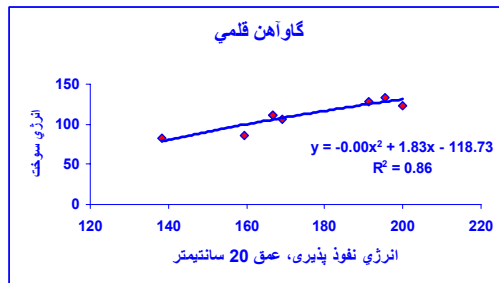
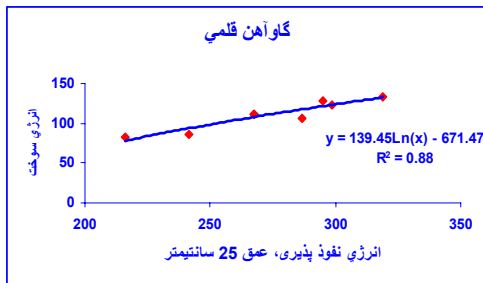
%

()

(cm)

b	, b	, b	, b	b	, b	, b	, a	C,D
, a	, a	a	, a	, a	, a	, a	, a	E,F
, b	, b	, b	, b	, b	, b	, b	, a	A,B
, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	:
, a	, a	, a	, a	, a	, a	, a	, a	B,D,F
, a	, a	, a	, a	, a	, a	, a	, a	A,C,E
, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	:
, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	:

%



$$Y = -0.001X^2 + 1.83X - 118.73$$

$$R^2 = 0.86$$

A

$$Y = 139.45\ln(x) - 671.47$$

$$R^2 = 0.88$$

C

B

C

D

$$Y = -0.01X^2 + 1.96X + 2.14$$

$$R^2 = 0.70$$

F E

$$Y = -0.001X^2 + 0.38X + 172.83$$

$$R^2 = 0.58$$

A

(R²)

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