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(Walters & Jasa, 1998)

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(Han &

(FAO, 2007)

.Simmons, 2001)

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1. Conventional Tillage
 2. Conservation Tillage
 3. Reduced Tillage
 4. Minimum Tillage
 5. Ridge Tillage
 6. Stripe Tillage

(Rasmussen & Rhode, 1998)

karpavrv@shirazu.ac.ir :

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() (Shafiei, 1995)

Sturny .

(1998) (Debicki & Shaw, 1996)

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(1987) Adekoya & Buchele .

(1995) Gray et al.

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(1990) Eikel & Siebertz .

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Dwyer et .

(1995) al.

(2002) Dowlati & Karparvarfard .

(1997) Opoku et al..

Shahsavandi & .

Kravchenko .

(2008) Karparvarfard

(2007) & Thelen .

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(Noggle &

:Fritz, 1976)

$$M = \left[\frac{A}{B \times P \times G} \right] \times 100$$

:A

:P

:B

:G

$$M = \frac{n_3 + n_4 + n_5}{N} \times 100$$

(D)

n_1

N

$$D = \frac{n_1}{N} \times 100$$

(C)

:(Noggle & Fritz, 1976)

$$RGR = \frac{Lnw_2 - Lnw_1}{t_2 - t_1}$$

S_2

X_{ref}

(day) : t_2 $\frac{gr}{(day)}$
 (day) : t_1 (gr)
 (gr)

: RGR

: w_2

: w_1

$$C = \frac{S_2}{X_{ref}}$$

$$A = \frac{n_2}{N} \times 100$$

(A)

:(Geetha & Sivaprakasam. 1993)

n_2

N

$$VI_1 = S.L \times M$$

: M

: VI_1

(cm)

: S.L

:(Abdul- Baki, & Anderson, 1973)

$$VI_2 = (S.L + R.L) \times M$$

(cm)

: R.L

: VI_2

(cm)

: S.L

.(ISTA, 2002)

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(Shahsavandi & Karparvarfard, .

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2008).

(Sanavi Shiri & .

Raoufat. 2008; Shahsavandi, & Karparvarfard, 2008)

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(Sanavi Shiri & Roufat, 2008; .

(Shahsavandi, & Karparvarfard, 2008).

.Shahsavandi & Karparvarfard, 2008)

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(Kravchenko & Thelen, 2007; .

.Dwyer et al 1995)

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علامت**و** نشان دهنده اختلاف معنی داری در سطح ۵ و ۱ درصد ns عدم وجود اختلاف معنی داری می باشد.

/	/	/	/	/	/	/	/	/
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علامت**نشان دهنده اختلاف معنی داری در سطح ۱ درصد، و ns عدم وجود اختلاف معنی داری می باشد.

(%)		
/ a	/ ab	/ ab
/ a	/ b	/ b
/ a	/ b	/ cd
/ d	/ cd	/ cd
/ c	/ a	/ b
/ c	/ a	/ b
/ ab	/ a	/ ab
/ c	/ ab	/ b
/ c	/ a	/ c
/ b	/ a	/ b
/ c	/ bc	/ ab
/ b	/ a	/ a

(%)		
/ ab	/ ab	/ b
/ bc	/ cd	/ d
/ b	/ c	/ d
/ bc	/ b	/ a
/ bc	/ a	/ bc
/ b	/ a	/ b
/ c	/ a	/ b
/ c	/ a	/ ab
/ c	/ ab	/ bc
/ b	/ a	/ b
/ ab	/ ab	/ a
/ b	/ a	/ a

میانگین‌های با حروف مشترک در هر ردیف، از نظر آماری اختلاف معنی داری در سطح احتمال ۵ درصد بر اساس آزمون چند دامنه ای دانکن ندارند.

میانگین‌های با حروف مشترک در هر ردیف، از نظر آماری اختلاف معنی داری در سطح احتمال ۵ درصد بر اساس آزمون چند دامنه‌ای دانکن ندارند.

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(Kravchenko, & Thelen, 2007; Shahsavandi & Karparvarfard, 2008)

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(Gray et .

al. 1995; Dwyer et al. 1995; Shahsavandi & Karparvarfard, 2008)

(Shahsavandi, & .

.Karparvarfard, 2008)

($p < /$)

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(Dwyer et .

.al. 1995; Shahsavandi, & Karparvarfard, 2008)

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(Gray et al. 1995; Dwyer et al. 1995; Opoko et al. 1997; Swan, 1994)



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