

()

(/ / : // :)

)

(

IL KH PI

(TI) (RWC)

RWC

RWC

(Bassil & Kaffka, 2002; Esendel et al.,1992

),(Anonymous, 2004)

& Napy et al., 2004)

.(Pasban Eslam, 2001)

Ehdaie & Nour Mohammadi .

(1984)

.(Kaffka & Kearney, 1998)

(2004a) Pasban Eslam .

(2006) Yau .(Arnon, 1972 & Yau, 2006)

PI

)

.(

(1999) Pourdad .(Hamrouni et al., 2001)

.(Yau, 2006)

(2004) Koutroubas et al.

.(Zope et al., 1998)

.(Koutroubas et al., 2004)

.(Omidi Tabrizi, 2006)

(1999) Omidi Tabrizi et al.

.(Omidi Tabrizi, 1999)

(/)

(2001a) Bageree et al.

L.R.K.

(Omidi Tabrizi, 2003)

(Efatdoost, 2003)

(RWC)

RWC

(Sinclair & Ludlow, 1985)

(1991) Rao & Mendham

()

RWC

RWC

Pasban Eslam (Golestani Araghi & Assad, 1998)

(2004(a))

RWC

)

(

IL

KH

,PI,

(Johanson &

Rumbaugh, 1995)

()

(Carcova et al., 1998)

(Johnson & Rumbaugh, 1995)

(Carcova

et al., 1998 & Golestani Araghi & Assad, 1998)

(1998) Golestani Araghi & Assad

(RWC)

H20 18 25A NMR

(Anonymous, 2004)

()

)

SPSS MSTATC

()	()	()	()
/	/	/	
/	/	/	
/	/	/	

(Efatdoost, 2003)

(

()

()

RWC

()	()	()
/	/	/
/	/	/
/	/	/
/	/	/
/	/	/

(Pasban Eslam, 2004b; Rao & Mendham, 1991)

RWC = _____

(Testo)

T

(Singh et al., 1985)

RWC

RWC

()

RWC

()

:

(Carcova et al., 1998)

(Koutroubas et al., 2004)

IL ,KH

PI

RWC

.()

RWC

.()

RWC

IL

PI

KH

.()

.()

(2004b) Pasban Eslam

.()

RWC

(2001b) Bageree et al. .

RWC

.()

(Omidi Tabrizi et al., 1999)

.()

.()

PI IL

KH

IL

PI

.()

.()

.()

IL

.()

(Bageree et al., 2001a; Efatdoost, 2003;

KH

.Hamrouni et al., 2001)

.()

.()

,IL

,KH

IL

PI

.()

PI

.()

.()

.()

.(Bageree et al., 2001a)

.()

(1984) Ehdaie & Nour Mohammadi

(/)

.()

.()

IL

.(Pourdad, 1999)

,% /

,%

% / KH

%

PI ,% / IL

.()

IL

IL

.()

.()

KH

.()

.()

IL

)

.(

.(Efatdoost, 2003)

KH

.()

.()

IL

.(Yau, 2006)

:

.(Pasban Eslam, 2004a)

.(Koutroubas et al., 2004; Pasban Eslam, 2004b)

(1999) Omidi Tabrizi et al. .(Hamrouni et al., 2001)

(Esendel et al., 1992; Zope et al.,

.1998)

RWC			
/ *	/	/	/ **
/ *	/	/ **	/ **
/ **	/ **	/	/
/	/	/	/ *
/	/	/	/
/	/	/	/
			(%)
		.%	%
		**	*

/	/	/	/ **	/	/	/	/
/ **	/	/ **	/ **	/ *	/ **	/	/
/ **	/ **	/ **	/ **	/ **	/ *	/ **	/ **
/	/	/	/	/	/	/	/ *
/	/	/	/	/	/	/	/
/	/	/	/	/	/	/	/
							(%)
		.%	%			**	*

2. Anonymous. (2007). *Agricultural statistical book 2005-2006*. Agriculture Jahad Ministry. Iran. No.86.04. p.19.
3. Arnon, I. (1972). *Crop production in dry areas. Systematic treatment of the principal crop*. Leonard Hill, London.
4. Bageree, A., Yazdi Samadi, B., Tayeb, M. & Ahmadi, M. R. (2001a). Study of correlation between yield and other qualitative and quantitative characters of safflower. *Iranian Journal of Agricultural Science*, 32 (2), 295-307. (In Farsi).
5. Bageree, A., Yazdi Samadi, B., Tayeb, M. & Ahmadi, M. R. (2001b). Study of genetic variability in Iranian safflower genotypes. *Iranian Journal of Agricultural Science*, 32(2), 447-456. (In Farsi).
6. Bassil, B. S. & Kaffka, S. R. (2002). Response of safflower (*Carthamus tinctorius* L.) to saline soils and irrigation. II Crop response to salinity. *Agricultural Water Management*, 54, 81-92.
7. Carcova, J., Maddonni, G. A. & Ghersa, C. M. (1998). Crop water stress index of three maize hybrids grown in soils with different quality. *Field Crops Research*, 55, 165-174.
8. Efatdoost, N. (2003). *Evaluation of drought stress effect on safflower genotypes*. M. Sc. thesis. Ardebil Azad University.
9. Eghdaie, B. & Nour Mohammadi, G. (1984). The effect of planting date on seed yield and other agronomic characters of two safflower genotypes. *Scientific and Agronomic Journal of Shahid Chamran University*, 9, 28-38. (In Farsi).
10. Esendel, E., Kevesoglu, K. E., Ulsa, N. & Aytac, S. (1992). Performance of late autumn and spring planted safflower under limited environment. In: *Proceeding of the third International Safflower Conference*. China. P. 221-280.
11. Golestani Araghi, S. & Assad, M. T. (1998). Evaluation of four screening techniques for drought resistance and their relationship to yield reduction ratio in wheat. *Euphytica*, 103, 293-299.
12. Hamrouni, I., Ben Salah, H. & Marzouk, B. (2001). Effects of water-deficit on lipids of safflower aerial parts. *Phytochemistry Journal*, 58, 277-280.
13. Johnson, D. A. & Rumbaugh, M. D. (1995). Genetic variation and inheritance characteristics for carbon isotope discrimination in alfalfa. *Range Management Journal*, 48, 126-131.
14. Kaffka, S. R. & Kearney, T. E. (1998). *Safflower production in California*. UC Agriculture and Natural Resources Publication. 21565. Davis.
15. Koutroubas, S. D., Papakosta, D. K. & Doitsinis, A. (2004). Cultivar and seasonal effects on the contribution of pre-anthesis assimilates to safflower yield. *Field Crops Research*, 90, 263-274.
16. Napy, Z., Tuba, Z., Zsoldos, F. & Erdei, I. (1995). CO₂-exchange and salt stress. *Plant Physiology*, 145, 539-544.
17. Omidi Tabrizi, A. H. (2003). *Study of yield and other agronomic characters of new spiny and spinless safflower genotypes*. Research, Education and Extension Organization. Agriculture Jahad Ministry. Iran. No. 82.204. p.1. (In Farsi).
18. Omidi Tabrizi, A. H. (2006). Stability and adaptability estimates of some safflower cultivars and lines in different environmental conditions. *Journal of Agriculture Science and Technology*, 8, 141-151.
19. Omidi Tabrizi, A. H., Gannadha, M. R. & Peygambari, S. A. (1999). The study of important characters of spring safflower genotypes by multivariate analysis. *Iran Agricultural Science Journal*, 3(4), 817-826. (In Farsi).
20. Pasban Eslam, B. (2001). *Safflower*. East Azarbaijan Agriculture Jahad Organization. Iran. No. 694: 1-15. (In Farsi).
21. Pasban Eslam, B. (2004a). Evaluation of yield and its components of new spinless safflower genotypes. *Iranian Journal of Agricultural Science*, 35(4), 869-874. (In Farsi).
22. Pasban Eslam, B. (2004b). *Evaluation of physiologic and agronomic characters of oilseed rape cultivars for late season drought resistance*. Research final Report. No. 83.289. Research, Education and Extension organization. Iran. No. 83.289. pp: 25-27. (In Farsi).
23. Pourdad, S. (1999). *Primary evaluation of safflower germplasm in rainfall condition*. Dryland Agriculture Research Institute of Iran. No. 87.650. p.2. (In Farsi).
24. Rao, M. S. S. & Mendham, N. J. (1991). Soil-water relations of oilseed rape (*Brassica napus* and *Brassica campestris*). *Cambridge Journal of Agricultural Science*, 117, 197-205.
25. Sinclair, T. R. & Ludlow, M. M. (1985). Who taught plants thermodynamics? The unfulfilled potential of plant water potential. *Australian Journal of Plant Physiology*, 12, 213-217.
26. Singh, D. P., Singh, P., Kumar, A. & Sharma, H. C. (1985). Transpiration cooling as a screening technique for drought tolerance in oilseed *Brassica*. *Annual of Botany*, 56, 815-820.
27. Weinberg, Z. G., Landau, S. Y., Bar-Tal, A., Chen, Y., Gamburg, M., Brener, S. & Dvash, L. (2005). Ensiling safflower (*Carthamus tinctorius*) as an alternative winter forage crop. In: *Proceedings of the 15th International Silage Conference*. Belfast, Northern Ireland, July 3-6. Wageningen Academic Publishers. The Netherlands. p169.

28. Yau, S. K. (2006). Winter versus spring sowing of rain-fed safflower in a semi-arid, high-elevation Mediterranean environment. *European Journal of Agronomy*, 10, 1-8.
29. Zope, R. E., Katule, B. K. & Ghorpade, D. S. (1998). Seed filing duration and yield in safflower. *Sesame and Safflower Newsletter*, (4), 39-45.