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(*Petroselinum crispum* Mill.)

**EFFECTS OF WATER DEFICIT ON YIELD AND SOME
PHYSIOLOGICAL INDICES OF TWO PARSLEY (*PETROSELINUM
CRISPUM* MILL.) POPULATIONS**

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(RWC)

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Relative water content

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+

pH EC

(PWP)

(FC)

Petroselinum

Apiaceae

Rosette

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) (.)

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$$= \frac{\quad}{\quad} \times 100$$

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Delta T

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(T)
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Table 1. Effects of population and drought stress on yield and morphological characters of parsley.

Soluble carbohydrate mg g ⁻¹ fw	Proline μmol g ⁻¹ fw	Potential leaf water -kPa	RWC %	Yield g m ⁻²	Stomata density n mm ⁻²	Leaf area cm ²	Treatments
43.5a	14.7a	-1290a	81.7a	1983.8a	13.6a	6935.6a	R ₁
43.0a	15.2a	-1404b	82.1a	1883.2b	13.5a	8239.9b	R ₂
33.7e	9.5e	-673e	94.9a	3161a	8.1e	12160a	T ₁
37.9d	11.7d	-1029d	88.9b	2749b	10.1d	11010b	T ₂
43.6c	14.7c	-1275c	81.8c	1903c	13.0c	7051c	T ₃
48.1b	17.7b	-1694b	76.5 ^d	1086d	17.4b	4409d	T ₄
52.9a	21.1a	-2065a	71.4 ^c	768.7e	19.1a	3312e	T ₅

R₁ = curley-leaved parsley, R₂ = plain-leaved parsley.

T₁ = 30 kPa, T₂ = 50 kPa, T₃ = 80 kPa, T₄ = 200 kPa, T₅ = 500 kPa.

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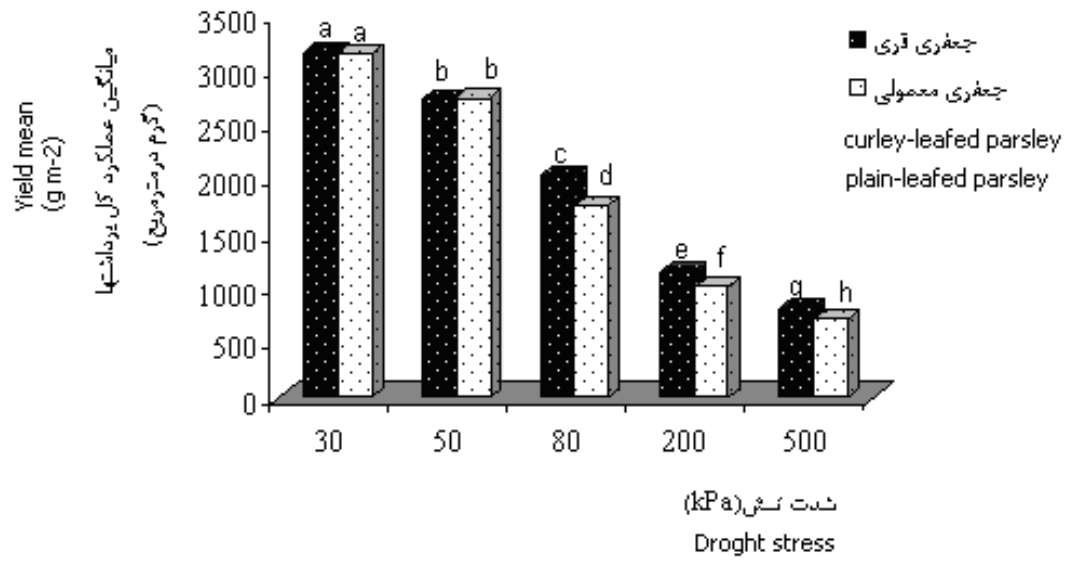


Fig. 1. The interaction effect of drought stress and population on yield.

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ATP

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