Performance of adaptation and yield trials of rape-seed cultivars in Zarghan (Fars)

M. Mostafavi, M. R. Motahari, and Z. Jafari

ABSTRACT

The present study aimed to evaluate the adaptation and yield performance of eight rapeseed cultivars in Zarghan (Fars) during the 2017 and 2018 growing seasons. Sixteen locations were selected across Iran, and the results showed that the cultivar ‘Global’ had the highest adaptation index and yield, while ‘Cobra’ had the lowest. The cultivars ‘Midas’ and ‘Jetneuf’ had the highest yield in the first and second years, respectively. The results indicated that the cultivars ‘Brassica napus’ and ‘Brassica campestris’ had better adaptation and yield performance in Zarghan compared to other areas.

Key words: Adaptation, Yield, Cultivars, Zarghan, Iran.

ZARGHAN (FARS), 2017-2018 AGRICULTURAL SEASONS

The present study was conducted to evaluate the adaptation and yield performance of eight rapeseed cultivars in Zarghan (Fars) during the 2017 and 2018 growing seasons. The cultivars included ‘Global’, ‘Falcon’, ‘Cobra’, ‘Midas’, ‘Jetneuf’, ‘Muluka’, ‘ACSNI’, and ‘Jetneuf’.

The results showed that the cultivar ‘Global’ had the highest adaptation index and yield, while ‘Cobra’ had the lowest. The cultivars ‘Midas’ and ‘Jetneuf’ had the highest yield in the first and second years, respectively. The results indicated that the cultivars ‘Brassica napus’ and ‘Brassica campestris’ had better adaptation and yield performance in Zarghan compared to other areas.

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