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**Studies on Effects of Russian Knapweed (*Acroptilon repens* (L.) DC) and Butter Cup (*Ranunculus damascenus* Boiss and Gaill), Causing Problem in Winter Wheat, on Yield and Determination of Their Economical Thresholds in Van**

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**Abstract:** In this study, effects of different densities of Russian knapweed (*Acroptilon repens* (L.) DC) and butter cup (*Ranunculus damascenus* Boiss and Gaill) on yield and yield components of winter wheat were researched in Van. It was determined that, increasing densities of *A. repens* have decreased number of spike, grain, straw and total yield of wheat. But, increasing densities of *R. damascenus* have not been effective on yield and yield components because of being small constitution and having short growing period. Ten plants per m<sup>2</sup> of *A. repens* reduced grain and straw yields respectively 24.3 and 19%. These amounts are over economical threshold, therefore weed control must be done. When the densities were 60 plants/m<sup>2</sup>, loss of grain yield was about 50% and loss of straw yield was about 40%.

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