

Project Title : Investigations on defining the processing factor of some pesticides used on vineyard and Risk Assessment

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Supporting Body : GDAR

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Summary : Pesticides which are used in order to increase human life quality have been another threat as a result of uncontrolled, unconscious and unnecessary usage. So; the problem we face caused by plant protection products on plants and processed products is not a problem only at a country-wide but also is a global problem. When we also consider residue behaviors of plant protection products, various types of plant products, varying processing technologies on those plant products, different residue behaviors of each active substances; studies related to processed products gain more difficulty.

This study aims to fill the national gap about this field by generating processing factor of chosen pesticides we can probably get from grapes, which can be consumed as fresh or dried grapes, fruit juice, molasses, dried rollup, wine and is very important for our region and our country. With this study, we will reveal the residue amount of plant protection product and effects of processing factor on residue in three different types of consumption (fresh, dried and juiced) , and we will see the available threat by calculating the output of study according to risk assessment models.

Besides, we will calculate the processing factor in addition to drying factor and evaluate the case of drying factor to be considered as a processing factor or not. Therefore, this will be a pilot project and will lead up other studies which will be carried out in the future on different pesticides with different techniques.