

P171. ASSESSMENT OF ORGANIC PRODUCTS IN TERMS OF SAFETY

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In this article, national and international resources related with the safety of organic products are examined in terms of undesired factors and it is intended to assess the safety status of organic products, compared to conventional products.

Organic product means a product that does not contain any factor that is harmful to human health. However, researches show that organic products may have various adverse factors, such as mycotoxin, pesticides, resistance to antibiotics, etc., compared to conventional products, which do not sometimes show difference but also be in favor of organic products time to time. *Campylobacter* was found in 80% of poultries raised organically in USA. Also it was found in a research made in Germany that meats of organic poultries are contaminated with (Extended Spectrum Beta-Lactamase) as much as those raised conventionally. Again, no difference was found between organically and conventionally grown cereals, 300 samples of which were taken and scanned every year between 2001 and 2005 in UK, in terms of DON and zearalenon concentration. In Turkey organic and conventional produced animal and vegetable products on metal levels made of research, the level of Fe higher in organic products; however, element levels were found to be within safe limits.

Highly significant differences can be observed in the results of studies, performed on the safety of organic products and this situation caused researchers to conduct meta-analyses. It is aimed to reach healthier assessments with these results, which mean reanalysis and reinterpretation of different study results in a combined manner.

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