In this research fatty acid and tocopherol contents of crude soybean oils, used as a feed raw material by mixed feed producers in Konya province, Turkey, were evaluated. Fatty acid contents were analysed by Gas Chromatography and tocopherol contents were analysed by HPLC. Soybean oil samples were obtained from six feed factories in March, May and July.

The tocopherols determined in soybean oil samples were found as α-tocopherol (93,625-408,211 mg/kg), β-tocopherol (9,932-472,960 mg/kg), γ-tocopherol (1,142-71,603 mg/kg) and δ-tocopherol (0,329-9,122 mg/kg). The determined fatty acids in soybean oils were palmitic, oleic, linoleic, linolenic and stearic acids. The unsaturated fatty acids were ranged from 82,352% to 88,095%. The saturated fatty acids were ranged between 12,945% - 18,688%. The results of the fatty acid of the samples were similar with the results of the previous studies on soybean oils. The tocopherol contents of the soybean oils were not found in agreement with the literature findings and the results were varied in a wide range.

The quality control of the soybean oils in terms of tocopherol content may be offered to the producers.