Design of electronic geographic information system , comprehensive map-prone regions and banned hazardous poultry breeding in Qazvin province

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Abstract

Qazvin province is one of the important centers of poultry industry in the country. Implementing land management plans through GIS is the most complete way to identify potential and scalable areas. The great damage caused by Avian flu in densely populated areas of poultry requires the relocation of some of these units to less hazardous areas. On the other hand, with the increase in the cost of energy carriers in the past few years, it is recommended not to issue permits in areas where providing suitable breeding conditions is costly. For this purpose, information of 700 points obtained from poultry breeding units was sent using GIS facilities and basic drawings of arc GIS software. Then, using the feature of arc info software, the coordinates of the geographical network to the UTM system are given. Then, areas prone to development of poultry industry and vulnerable areas and areas with high development potential were identified. According to the obtained results, in general, areas with high altitude (above 1100 meters) such as some areas of Alamut and Avaj counties, areas with a large number of poultry farms per unit area such as some areas of Qazvin and especially Takestan have lower points in the direction plan. It was built and some areas of Buin Zahra, Tarom and
  Avaj (altitude below 1100 meters) gained more points for the development of poultry farms.

Keywords: Ghazvin Province , Geographic Information System , Potential areas, Broiler farm