International Grassland Congress Proceedings   XXI International Grassland Congress / VIII International Rangeland Congress

The Assessment of Range Land Suitability from the Apiculture Aspect with Using GIS

Sh. Fadaee
University of Tehran, Iran

Hossein Arzani
University of Tehran, Iran

S. H. Kaboli
University of Tehran, Iran

The assessment of Range land suitability from the Apiculture aspect with using GIS

Sh .Fadaee[1] ,H Arzani[1] ,S .H .Kaboli[1]
[1]University of Tehran . ,E-mail : ziba_ fadai@ yahoo .com

Key words : range suitability model ,apicultural ,FAO ,plants produce nectar and pollen .

Introduction Range land suitability is use of fitness f one type of Range land application utility with consider sustainable use from lands .Apicultural is one of the important laterals from Range land .That with determination of its effective ,factor and emphasis o sustainable application from lands ,present the Apicultural suitability model in Range land .

Material and methods Studying were done main axise of feeding Resources produce pollen and produce nectar plants environmental factors and water resources .Random sapling was done in vegetation types using $30(1m2)$ quadrates along three 200m long transect .Situation of every suitability determination parameters prepared basically use from its maps ,Geographic information system in micro station ,ILWIS ,ArcGIS ,ArcView ,software's environment and FAO land evaluation method (limitation of exsiting situation and quantity of lands) ,with consider of at least limitation degree ,model and its suitability map .

Results and discussion : Sub models of vegetation ,environmental factors and the access to water resources was attended .That every of them was impact to different factors that show in table 1 .

Table 1 *sub models effectors in every of them and suitability degrees .*

suitability degree-S1 (ha)	factors	Sub model
7979	the rate of attractiveness of plants and vegetation cover percent	vegetation
2867	flowering period	
18357	temperature	environmental factors
18357	elevation	
18974	access road	
33945	Access to the water	water resources

References
F .A .O . ,1991 .Guidelines : Land Evaluation For Extensive Grazing ,Soil Research Management And Conservation Service ,Soil Bulletin No .58 .
Kiet S . ,2000 .Expected use GIS map ,Rangeland ,22(2) pp : 18-20 .
Saadatmand J . ,1998 .Bee honey .nopardazan of Tehran .P :433 .
Ebadi .R . ,1990 .bee keeping .Rahe nejat of esfahan .pp :565 .