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XXI International Grassland Congress / VIII  
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The XXI International Grassland Congress / VIII International Rangeland Congress took place in Hohhot, China from June 29 through July 5, 2008.

Proceedings edited by Organizing Committee of 2008 IGC/IRC Conference

Published by Guangdong People's Publishing House

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

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

**Introduction** Range land suitability is use of fitness of 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 on sustainable application from lands, present the Apicultural suitability model in Range land.

**Material and methods** Studying were done main axis of feeding Resources produce pollen and produce nectar plants environmental factors and water resources. Random sapling was done in vegetation types using 30(1m<sup>2</sup>) 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 existing 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

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