



University of Kentucky
UKnowledge

International Grassland Congress Proceedings

21st International Grassland Congress / 8th
International Rangeland Congress

Initial Study on the Construction of Evaluation Index System of the Herdsman Rights and Interests Protection--Taking Tianshan Pasture of Urumqi, Xinjiang as an Example

Ying Ao

Animal Husbandry and Veterinary Quarantine Grassland Workstation, China

Litao Feng

Animal Husbandry and Veterinary Quarantine Grassland Workstation, China

Weifeng Chen

Animal Husbandry and Veterinary Quarantine Grassland Workstation, China

Follow this and additional works at: <https://uknowledge.uky.edu/igc>



Part of the [Plant Sciences Commons](#), and the [Soil Science Commons](#)

This document is available at <https://uknowledge.uky.edu/igc/21/4-1/45>

The 21st International Grassland Congress / 8th 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

This Event is brought to you for free and open access by the Plant and Soil Sciences at UKnowledge. It has been accepted for inclusion in International Grassland Congress Proceedings by an authorized administrator of UKnowledge. For more information, please contact UKnowledge@lsv.uky.edu.

Initial study on the construction of evaluation index system of the herdsman rights and interests protection—Taking Tianshan pasture of Urumqi , Xinjiang as an example

Ao Ying ,Feng Li-tao ,Chen Wei-feng

¹ Animal Husbandry and Veterinary Quarantine Grassland Workstation , Urumqi , Xinjiang 830063 ; ² College of Resources and Environment of Shandong Agricultural University , Tai'an , Shandong 271018

Abstract At present the study of the protection of herdsman rights and interests is comparatively unspecific , lacking important qualitative analysis and necessary quantitative analysis , especially in the use of indicators to measure the level of the protection of herdsman rights and interests . In this paper , following the scientific , practical and simple principles , it constructs the evaluation index system of the herdsman rights and interests protection , and with AHP method it determines the various indicators weight , which fills the blank of the construction of the protection index system of herdsman rights and interests .

Key words : Grassland Law , evaluation , construction of herdsman rights and interests protection system , Analytic Hierarchy Process (AHP)

Preface The major community of herdsman is the minorities in remote regions . The protection of their rights and interests

The necessity of constructing evaluation index system At present the harm to the herdsmen rights and interests is a serious problem facing the remote ethnic minority areas in China . As herdsmen begin to settle down , they lead a better life and gradually withdraw from the nomadic life . As the masters of grassland , the protection of their rights and interests is especially important .

The construction of evaluation model By using Analytic Hierarchy Process (AHP) the paper determines the weights . With the combination of qualitative and quantitative factors in the decision-making process it establishes judgment matrix , sorting computation and consistency test , which explains man's subjectivity in terms of quantity .

Table 1 Overall Sorting Level .

Level A	B ₁	B ₂	B ₃	Overall sorting (Final weight of each factor)
Level C	0.20	0.60	0.20	$W_i = \sum_{j=1}^m b_j C_{ij}$
C ₁	0.20	0	0	0.04
C ₂	0.60	0	0	0.12
C ₃	0.20	0	0	0.04
C ₄	0	0.028	0	0.012
C ₅	0	0.26	0	0.156
C ₆	0	0.14	0	0.089
C ₇	0	0.132	0	0.079
C ₈	0	0.21	0	0.126
C ₉	0	0.23	0	0.138
C ₁₀	0	0	0.14	0.028
C ₁₁	0	0	0.72	0.144
C ₁₂	0	0	0.14	0.028

Conclusions By using AHP this paper determines the index system weight of protecting the rights and interests of herdsmen , obtaining evaluation index and importance value such as the reasonable utilization of resources , resistance of grassland disasters , scientific cultivation and raising livestock , implementation of keeping the balance of grassland and livestock , the settlement of herdsmen , raising their legal awareness , grassland compensation in place , the perfection of contract operation right , infrastructure construction of pastoral area , the protection of grassland management and rational development of other industries , which provide a decision-making basis for the protection of herdsman rights and interests , environmental improvement and sustainable development of animal husbandry .

References

- Song Yin-jing . Construction of Protection Index System of Farmer's Right in the Process of Building New Countryside , *Rural Economy and Science and Technology* , 2006 , (12) : 96 .
 Wang Xin . Protection of Farmer's Rights and Interests in the Construction of New Countryside , *Climbing* , 2007 , (4) : 21-19-23 .