

# 中国草地资源数据

DATA ON THE GRASSLAND RESOURCES OF CHINA

中华人民共和国农业部畜牧兽医司  
中国农业科学院草原研究所  
中国科学院自然资源综合考察委员会

编

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## 前 言

《中国草地资源数据》是在完成全国草地资源调查的基础上,经过县(旗)、省(自治区、直辖市)及全国逐级汇总和系统整理编辑成书的。它是我国第一部全面、科学、系统的草地资源数据集,是全国草地资源调查的主要成果之一。本书凝聚着全国参与草地资源调查工作者的劳动与心血。

草地资源调查是国家科委、原国家农委以(79)国科发四字 363 号文件下达的国家重点科研任务,属于《1978~1985 年全国科学技术发展规划纲要(草案)》中农业自然资源和区划研究项目的主要课题之一。在农业部畜牧兽医司统一组织和领导下,由中国农业科学院草原研究所和中国科学院自然资源综合考察委员会具体承办,各省(自治区、直辖市)畜牧(农牧)厅(局)主持并组织技术力量统一按“全国草地资源调查大纲和技术规程”进行实施,最后经过验收完成本省的调查任务。至 1991 年,全面完成了除台湾省以外的全国草地资源调查任务。

草地资源调查历经十余年,社会情况和自然状况都发生了一些变化,省、县行政区划也有所调整,草地类型系统亦几经修改。因此,在全国草地资源汇总统计工作中,社会经济情况数据统一选用 1990 年年底数据;建立数据库管理系统,采用微机处理数据;对各省(区)的草地类型统一重新做了编排和统计计算。

《中国草地资源数据》是一本关于草地资源方面的专业统计资料。全书数据部分分全国和省区两篇,提供了全国、省和县三级草地资源数据信息,以方便使用。该书的出版发行,将为畜牧业生产的宏观指导和制定社会发展规划提供科学依据。

该书在编辑出版过程中,得到了许多同志的帮助和有关单位的支持,在此表示衷心的感谢。本书不足之处,敬请读者指正。

农业部畜牧兽医司

1992 年 10 月

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## Preface

Based on a nationwide grassland resource survey, "Data on the Grassland Resources of China" was completed by collecting and sorting out data progressively and systematically from counties, provinces (autonomous regions, municipalities) to the whole nation. As a complete, scientific and systematic statistics on the grassland resources, it is a major achievement of the grassland resource survey. It is also the fruit of painstaking labour of the people who participated in the survey.

Surveying grassland resources is a research project assigned by the State Commission for Science and Technology and the former State Commission for Agriculture. It is also one of the main research projects of the study on the natural resources of agriculture and their divisions, which belongs to "An Outline for the National Development Plan of Science and Technology from 1978 to 1985". Under the leadership and organization of the Department of Animal Husbandry and Veterinary, Ministry of Agriculture, the project was jointly conducted by the Grassland Research Institute, Chinese Academy of Agricultural Sciences and the Commission for Integrated Survey of Natural Resources, Chinese Academy of Sciences. It was carried out by technical teams organized by the Animal Husbandry Bureau of each province (autonomous region or municipality), according to the "Outline and Technical Regulation for Surveying the Grassland Resources of China". The results of the surveys in each province were checked one by one before acceptance, and the task of surveying was completed in all provinces except Taiwan by 1991.

During the ten-year period of surveying grassland resources, there have been some changes in social and natural conditions, some adjustments to the administrative divisions of provinces and counties, and also several times of amendments to the classification of grassland types. Therefore, the data for the social economic situation at the end of 1991 has been selected in the consolidated statistics on the grassland resources of China. A unified arrangement to the classification of grassland types of each province (autonomous region) and a statistical calculation have been completed through the computer processing, and a data base has been established.

"Data on the Grassland Resources of China" is a specialized statistical book about grassland resources. For the convenience of use, this book is divided into two sections—a national section and a provincial section, providing information for grassland resources at three levels from county to province and throughout the country. This book will offer a scientific basis for the centralized guidance of animal husbandry and the formulation of social development plans.

It is a delight to acknowledge all of the individuals and organizations who have assisted in the compilation of this book. Any comments concerning this book or to the mistakes which may have occurred in it would be greatly appreciated.

by Department of Animal Husbandry and Veterinary  
Ministry of Agriculture

## 编辑说明

### 一、说明

1、为了使全书数据格式一致和使用国家法定计量单位,在编辑过程中对一些原数据作了换算处理。

2、统计中有“未划类型草地”项,来自西藏自治区,是因为一些地段由于交通或其它原因难以实地详细调查,故对这些草地未作类型和等级划分。

3、统计中“未划等级草地”主要是由零星草地构成。有些省(区)对零星草地未作等级划分。

4、行政区划按 1990 年底资料,在各省(区)草地资源分县基本情况表中,只列出调查有天然草地的县级(或地级)单位,没有天然草地的县级单位未列入表中,因此总人口项和土地总面积项县级之和不等于全省实有数,故全省合计不列数据,以“—”表示。县级单位总人口引自相应省(区)国民经济统计年鉴,为 1990 年底数;土地总面积来自相应省(区)草地资源统计册或引自相应省(区)国民经济统计年鉴,本项数据多为全国土地详查前数据且资料来源渠道不同,有待进一步核实。

5、表中所列市辖区是指地级市管辖的所有城区和郊区,表中列出地级市的名称则除了包括所辖的城区和郊区外,还包括所管辖的各县。

6、表列各行政单位名称均限定在 5 个汉字之内,行政单位名称超过 5 个汉字的在附录中列有与全称对照表。除此之外,表格中也用到各省(市、区)简称,如:津(天津市)、苏(江苏省)、琼(海南省)、藏(西藏自治区)等。

7、表中“空格”表示不掌握该项数据或无该项数据。表中注解均放在最后一页续表下。

### 二、名词解释

1、草地:系指从土地利用现状分类与其它地类区别而言的。草群盖度大于 5%(含 5%)的地块为草地,小于 5%的未作草地统计;树木郁闭度小于 0.3(含 0.3)的地块划为草地,大于 0.3 为林地;灌木郁闭度小于 0.4(含 0.4)的地块划归草地,否则为灌丛地。

2、草地面积:在 1/5 万(或 1/10 万)地形图为工作底图上量算出的草地图斑总和。

3、可利用面积:从草地面积中扣除难以在图上勾画和量算的居民点、道路、裸地、小溪等地物后剩余的草地面积。在实际计算中,各地依据具体情况由草地面积乘以可利用面积系数求得。

4、产草量:夏秋季节牧草产量最高时期,野外一次性测得牧草的地上部分鲜草重量(提前或推后所测产量以年产草量动态系数进行校正);全国汇总时按牧草干(重)鲜(重)比系数折算为牧草风干重,且产草量用草地可利用面积加权平均求得。各类草地折算干草选用干鲜比系数如下:

温性草甸草原类 1:3.2  
 温性草原类 1:3.0  
 温性荒漠草原类 1:2.7  
 高寒草甸草原类 1:3.2  
 高寒草原类 1:3.0  
 高寒荒漠草原类 1:2.7  
 温性草原化荒漠类 1:2.5  
 温性荒漠类 1:2.5(其中盐土荒漠亚类 1:4.0)  
 高寒荒漠类 1:2.5  
 暖性草丛类 1:3.2(其中高禾草组 1:4.0)  
 暖性灌草丛类 1:3.2(其中高禾草组 1:4.0)  
 热性草丛类 1:3.2(其中高禾草组 1:4.0)  
 热性灌草丛类 1:3.2(其中高禾草组 1:4.0)  
 干热稀树灌草丛类 1:3.2  
 低地草甸类 1:3.5(其中低地沼泽化草甸亚类 1:4.0)  
 山地草甸类 1:3.5  
 高寒草甸类 1:3.2(其中沼泽化高寒草甸亚类 1:3.5)  
 沼泽类 1:4.0(其中杂类草组 1:5.0)  
 零星草地 1:3.2

5、理论载畜量:指在一定的草地面积上,在维持草地植被不断更新与正常生长,对草地适度放牧利用并且能够保证家畜良好生长与正常生产的前提下,在一定时间内可放牧饲养的家畜数量(书中统一用羊单位)。采用另一种方法表示称之为载畜能力,即在一定时间内,放牧饲养一个羊单位所需要的草地面积。理论载畜量的计算公式是:

$$\text{一个羊单位全年所需草地面积} = \frac{\text{羊单位日食量} \times 365}{\text{单位面积产草量} \times \text{牧草利用率}} \quad (1)$$

$$\text{草地理论载畜量(羊只/年)} = \frac{\text{草地可利用面积}}{\text{一个羊单位全年所需草地面积}} \quad (2)$$

青海、内蒙古等地分季节利用草地,则先分别计算出一个羊单位冷季和暖季所需草地面积,然后将二者相加为一个羊单位全年所需草地面积,最后再按上式(2)计算草地理论载畜量,这种计算结果更为合理。各省(区)依据本地区实际情况确定家畜日食量、牧草利用率和放牧天数等,按草地类型面积计算草地理论载畜量,北方省(区)用羊单位、南方省(区)用牛单位。全国汇总统一使用羊单位,日食量按5千克鲜草计算,为全年放牧期,每个羊单位全年需鲜草1825千克。对未按上述标准计算理论载畜量的省(区),以原有载畜量为基础作了重新换算。全国汇总统计草地理论载畜量是各省(区)相应类型合并后理论载畜量的累加数。

6、草地等级及评定标准:草地等级反映草地植被的质量和产量,是在调查之后最初汇总时以草地型为单元进行评定的。其草地型等级是以该型草群品质的好坏和地上部分产草量高低为标准划分。

等表示草地草群品质的优劣,根据草地草群中各种饲用植物的适口性,利用率和营养价值,把所有饲用植物分为优、良、中、低、劣五等,再以同等植物重量占草群总重量的百分比作为



划分草地等的具体指标,其标准如下:

一等草地:优等饲用植物占 60%以上

二等草地:良等及优等饲用植物占 60%以上

三等草地:中等及中等以上饲用植物占 60%以上

四等草地:低等及低等以上饲用植物占 60%以上

五等草地:劣等饲用植物占 40%以上

级表示草地草群地上部分产草量高低,依据单位面积产草量划分草地级,各级标准如下:

一级草地:每公顷产鲜草 12000 千克以上

二级草地:每公顷产鲜草 9000~12000 千克

三级草地:每公顷产鲜草 6000~9000 千克

四级草地:每公顷产鲜草 4500~6000 千克

五级草地:每公顷产鲜草 3000~4500 千克

六级草地:每公顷产鲜草 1500~3000 千克

七级草地:每公顷产鲜草 750~1500 千克

八级草地:每公顷产鲜草 750 千克以下

7、零星草地:分布于村旁、路边、田埂、塘坝、林间等处的零散小块草地,每块面积小于 20 公顷,又称农林隙闲地草地。

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# 目 录

## 第 1 部分 全国篇

1-1	全国草地资源分省基本情况 .....	(2)
1-2	全国天然草地面积分经济类型区统计 .....	(4)
1-3	全国各类天然草地 .....	(5)
1-4	全国天然草地面积分类统计 .....	(6)
1-5	全国温性草甸草原类 .....	(10)
1-6	全国温性草原类 .....	(14)
1-7	全国温性荒漠草原类 .....	(24)
1-8	全国高寒草甸草原类 .....	(28)
1-9	全国高寒草原类 .....	(30)
1-10	全国高寒荒漠草原类 .....	(32)
1-11	全国温性草原化荒漠类 .....	(32)
1-12	全国温性荒漠类 .....	(36)
1-13	全国高寒荒漠类 .....	(40)
1-14	全国暖性草丛类 .....	(42)
1-15	全国暖性灌草丛类 .....	(44)
1-16	全国热性草丛类 .....	(48)
1-17	全国热性灌草丛类 .....	(52)
1-18	全国干热稀树灌草丛类 .....	(56)
1-19	全国低地草甸类 .....	(56)
1-20	全国山地草甸类 .....	(62)
1-21	全国高寒草甸类 .....	(68)
1-22	全国沼泽类 .....	(74)
1-23	全国天然草地等级 .....	(76)
1-24	全国天然草地面积分等统计 .....	(78)
1-25	全国天然草地面积分级统计 .....	(80)
1-26	全国草地区划分区天然草地面积统计 .....	(82)
1-27	全国草食牲畜存栏数 .....	(84)
1-28	全国主要畜产品产量 .....	(86)
1-29	北方部分省(区)天然草地退化面积 .....	(87)

## 第 2 部分 省(区)篇

2-1	北京市草地资源分县基本情况 .....	(90)
2-2	北京市天然草地类型 .....	(90)
2-3	北京市天然草地等级 .....	(91)
2-4	天津市草地资源分县基本情况 .....	(92)
2-5	天津市天然草地类型 .....	(92)

2-6	天津市天然草地等级 .....	(94)
2-7	河北省草地资源分县基本情况 .....	(95)
2-8	河北省天然草地类型 .....	(98)
2-9	河北省天然草地等级 .....	(102)
2-10	山西省草地资源分县基本情况 .....	(103)
2-11	山西省天然草地类型 .....	(107)
2-12	山西省天然草地等级 .....	(110)
2-13	内蒙古自治区草地资源分县基本情况 .....	(112)
2-14	内蒙古自治区天然草地类型 .....	(115)
2-15	内蒙古自治区天然草地等级 .....	(125)
2-16	辽宁省草地资源分县基本情况 .....	(127)
2-17	辽宁省天然草地类型 .....	(129)
2-18	辽宁省天然草地等级 .....	(133)
2-19	吉林省草地资源分县基本情况 .....	(134)
2-20	吉林省天然草地类型 .....	(136)
2-21	吉林省天然草地等级 .....	(139)
2-22	黑龙江省草地资源分县基本情况 .....	(141)
2-23	黑龙江省天然草地类型 .....	(144)
2-24	黑龙江省天然草地等级 .....	(146)
2-25	江苏省草地资源分县基本情况 .....	(148)
2-26	江苏省天然草地类型 .....	(149)
2-27	江苏省天然草地等级 .....	(150)
2-28	浙江省草地资源分县基本情况 .....	(151)
2-29	浙江省天然草地类型 .....	(154)
2-30	浙江省天然草地等级 .....	(156)
2-31	安徽省草地资源分县基本情况 .....	(158)
2-32	安徽省天然草地类型 .....	(160)
2-33	安徽省天然草地等级 .....	(161)
2-34	福建省草地资源分县基本情况 .....	(162)
2-35	福建省天然草地类型 .....	(165)
2-36	福建省天然草地等级 .....	(166)
2-37	江西省草地资源分县基本情况 .....	(168)
2-38	江西省天然草地类型 .....	(171)
2-39	江西省天然草地等级 .....	(173)
2-40	山东省草地资源分县基本情况 .....	(175)
2-41	山东省天然草地类型 .....	(179)
2-42	山东省天然草地等级 .....	(181)
2-43	河南省草地资源分县基本情况 .....	(183)
2-44	河南省天然草地类型 .....	(188)
2-45	河南省天然草地等级 .....	(189)
2-46	湖北省草地资源分县基本情况 .....	(191)
2-47	湖北省天然草地类型 .....	(194)
2-48	湖北省天然草地等级 .....	(196)

2-49	湖南省草地资源分县基本情况 .....	(197)
2-50	湖南省天然草地类型 .....	(201)
2-51	湖南省天然草地等级 .....	(203)
2-52	广东省草地资源分县基本情况 .....	(205)
2-53	广东省天然草地类型 .....	(208)
2-54	广东省天然草地等级 .....	(210)
2-55	广西壮族自治区草地资源分县基本情况 .....	(211)
2-56	广西壮族自治区天然草地类型 .....	(215)
2-57	广西壮族自治区天然草地等级 .....	(217)
2-58	海南省草地资源分县基本情况 .....	(218)
2-59	海南省天然草地类型 .....	(219)
2-60	海南省天然草地等级 .....	(221)
2-61	四川省草地资源分县基本情况 .....	(222)
2-62	四川省天然草地类型 .....	(229)
2-63	四川省天然草地等级 .....	(233)
2-64	贵州省草地资源分地区基本情况 .....	(234)
2-65	贵州省天然草地类型 .....	(234)
2-66	贵州省天然草地等级 .....	(236)
2-67	云南省草地资源分县基本情况 .....	(237)
2-68	云南省天然草地类型 .....	(242)
2-69	云南省天然草地等级 .....	(245)
2-70	西藏自治区草地资源分县基本情况 .....	(247)
2-71	西藏自治区天然草地类型 .....	(249)
2-72	西藏自治区天然草地等级 .....	(257)
2-73	陕西省草地资源分县基本情况 .....	(258)
2-74	陕西省天然草地类型 .....	(262)
2-75	陕西省天然草地等级 .....	(268)
2-76	甘肃省草地资源分县基本情况 .....	(269)
2-77	甘肃省天然草地类型 .....	(273)
2-78	甘肃省天然草地等级 .....	(277)
2-79	青海省草地资源分县基本情况 .....	(278)
2-80	青海省天然草地类型 .....	(280)
2-81	青海省天然草地等级 .....	(285)
2-82	宁夏回族自治区草地资源分县基本情况 .....	(287)
2-83	宁夏回族自治区天然草地类型 .....	(287)
2-84	宁夏回族自治区天然草地等级 .....	(292)
2-85	新疆维吾尔自治区草地资源分县基本情况 .....	(294)
2-86	新疆维吾尔自治区天然草地类型 .....	(297)
2-87	新疆维吾尔自治区天然草地等级 .....	(307)
<b>第3部分 草地类型系统</b>		
3-1	中国天然草地类型系统 .....	(310)

# Contents

## Section 1 National Section

1-1	Basic Situation of the Grassland Resources in Different Provinces .....	(2)
1-2	Statistics on the Natural Grassland Area According to the Economic Types of the Regions .....	(4)
1-3	Types of Natural Grasslands .....	(5)
1-4	Statistics on the Area of Natural Grassland According to the Types .....	(6)
1-5	Temperate Meadow-Steppe .....	(10)
1-6	Temperate Steppe .....	(14)
1-7	Temperate Desert-Steppe .....	(24)
1-8	Alpine Meadow-Steppe .....	(28)
1-9	Alpine Steppe .....	(30)
1-10	Alpine Desert-Steppe .....	(32)
1-11	Temperate Steppe Desert .....	(32)
1-12	Temperate Desert .....	(36)
1-13	Alpine Desert .....	(40)
1-14	Warm-Temperate Tussock .....	(42)
1-15	Warm-Temperate Shrub-Tussock .....	(44)
1-16	Tropical Tussock .....	(48)
1-17	Tropical Shrub-Tussock .....	(52)
1-18	Dry Tropical Shrub-Tussock with Savanna .....	(56)
1-19	Lowland Meadow .....	(56)
1-20	Mountain Meadow .....	(62)
1-21	Alpine Meadow .....	(68)
1-22	Swamp .....	(74)
1-23	Classes and Grades of Natural Grasslands .....	(76)
1-24	Statistics on the Natural Grassland Area According to Classes .....	(78)
1-25	Statistics on the Natural Grassland Area According to Grades .....	(80)
1-26	Statistics on the Natural Grassland Area of Different Divisions .....	(82)
1-27	Number of Herbivorous Animals .....	(84)
1-28	Productivity of Main Animal Products .....	(86)
1-29	Degenerated Grassland Area in Some Provinces (Autonomous Regions) of Northern China ...	(87)

## Section 2 Provincial Section

2-1	Basic Situation of the Grassland Resources of Different Counties in Beijing .....	(90)
2-2	Natural Grassland Types of Beijing .....	(90)
2-3	Natural Grassland Classes and Grades of Beijing .....	(91)
2-4	Basic Situation of the Grassland Resources of Different Counties in Tianjin .....	(92)
2-5	Natural Grassland Types of Tianjin .....	(92)
2-6	Natural Grassland Classes and Grades of Tianjin .....	(94)
2-7	Basic Situation of the Grassland Resources of Different Counties in Hebei Province .....	(95)
2-8	Natural Grassland Types of Hebei Province .....	(98)

2-9	Natural Grassland Classes and Grades of Hebei Province .....	(102)
2-10	Basic Situation of the Grassland Resources of Different Counties in Shanxi Province .....	(103)
2-11	Natural Grassland Types of Shanxi Province .....	(107)
2-12	Natural Grassland Classes and Grades of Shanxi Province .....	(110)
2-13	Basic Situation of the Grassland Resources of Different Counties in Nei Mongol Autonomous Region .....	(112)
2-14	Natural Grassland Types of Nei Mongol Autonomous Region .....	(115)
2-15	Natural Grassland Classes and Grades of Nei Mongol Autonomous Region .....	(125)
2-16	Basic Situation of the Grassland Resources of Different Counties in Liaoning Province .....	(127)
2-17	Natural Grassland Types of Liaoning Province .....	(129)
2-18	Natural Grassland Classes and Grades of Liaoning Province .....	(133)
2-19	Basic Situation of the Grassland Resources of Different Counties in Jilin Province .....	(134)
2-20	Natural Grassland Types of Jilin Province .....	(136)
2-21	Natural Grassland Classes and Grades of Jilin Province .....	(139)
2-22	Basic Situation of the Grassland Resources of Different Counties in Heilongjiang Province ..	(141)
2-23	Natural Grassland Types of Heilongjiang Province .....	(144)
2-24	Natural Grassland Classes and Grades of Heilongjiang Province .....	(146)
2-25	Basic Situation of the Grassland Resources of Different Counties in Jiangsu Province .....	(148)
2-26	Natural Grassland Types of Jiangsu Province .....	(149)
2-27	Natural Grassland Classes and Grades of Jiangsu Province .....	(150)
2-28	Basic Situation of the Grassland Resources of Different Counties in Zhejiang Province .....	(151)
2-29	Natural Grassland Types of Zhejiang Province .....	(154)
2-30	Natural Grassland Classes and Grades of Zhejiang Province .....	(156)
2-31	Basic Situation of the Grassland Resources of Different Counties in Anhui Province .....	(158)
2-32	Natural Grassland Types of Anhui Province .....	(160)
2-33	Natural Grassland Classes and Grades of Anhui Province .....	(161)
2-34	Basic Situation of the Grassland Resources of Different Counties in Fujian Province .....	(162)
2-35	Natural Grassland Types of Fujian Province .....	(165)
2-36	Natural Grassland Classes and Grades of Fujian Province .....	(166)
2-37	Basic Situation of the Grassland Resources of Different Counties in Jiangxi Province .....	(168)
2-38	Natural Grassland Types of Jiangxi Province .....	(171)
2-39	Natural Grassland Classes and Grades of Jiangxi Province .....	(173)
2-40	Basic Situation of the Grassland Resources of Different Counties in Shandong Province .....	(175)
2-41	Natural Grassland Types of Shandong Province .....	(179)
2-42	Natural Grassland Classes and Grades of Shandong Province .....	(181)
2-43	Basic Situation of the Grassland Resources of Different Counties in He'nan Province .....	(183)
2-44	Natural Grassland Types of He'nan Province .....	(188)
2-45	Natural Grassland Classes and Grades of He'nan Province .....	(189)
2-46	Basic Situation of the Grassland Resources of Different Counties in Hubei Province .....	(191)
2-47	Natural Grassland Types of Hubei Province .....	(194)
2-48	Natural Grassland Classes and Grades of Hubei Province .....	(196)
2-49	Basic Situation of the Grassland Resources of Different Counties in Hu'nan Province .....	(197)
2-50	Natural Grassland Types of Hu'nan Province .....	(201)

2-51	Natural Grassland Classes and Grades of Hu'nan Province .....	(203)
2-52	Basic Situation of the Grassland Resources of Different Counties in Guangdong Province .....	(205)
2-53	Natural Grassland Types of Guangdong Province .....	(208)
2-54	Natural Grassland Classes and Grades of Guangdong Province .....	(210)
2-55	Basic Situation of the Grassland Resources of Different Counties in Guangxi Zhuang Autonomous Region .....	(211)
2-56	Natural Grassland Types of Guangxi Zhuang Autonomous Region .....	(215)
2-57	Natural Grassland Classes and Grades of Guangxi Zhuang Autonomous Region .....	(217)
2-58	Basic Situation of the Grassland Resources of Different Counties in Hainan Province .....	(218)
2-59	Natural Grassland Types of Hainan Province .....	(219)
2-60	Natural Grassland Classes and Grades of Hainan Province .....	(221)
2-61	Basic Situation of the Grassland Resources of Different Counties in Sichuan Province .....	(222)
2-62	Natural Grassland Types of Sichuan Province .....	(229)
2-63	Natural Grassland Classes and Grades of Sichuan Province .....	(233)
2-64	Basic Situation of the Grassland Resources of Different Prefectures in Guizhou Province .....	(234)
2-65	Natural Grassland Types of Guizhou Province .....	(234)
2-66	Natural Grassland Classes and Grades of Guizhou Province .....	(236)
2-67	Basic Situation of the Grassland Resources of Different Counties in Yunnan Province .....	(237)
2-68	Natural Grassland Types of Yunnan Province .....	(242)
2-69	Natural Grassland Classes and Grades of Yunnan Province .....	(245)
2-70	Basic Situation of the Grassland Resources of Different Counties in Xizang Autonomous Region .....	(247)
2-71	Natural Grassland Types of Xizang Autonomous Region .....	(249)
2-72	Natural Grassland Classes and Grades of Xizang Autonomous Region .....	(257)
2-73	Basic Situation of the Grassland Resources of Different Counties in Shaanxi Province .....	(258)
2-74	Natural Grassland Types of Shaanxi Province .....	(262)
2-75	Natural Grassland Classes and Grades of Shaanxi Province .....	(268)
2-76	Basic Situation of the Grassland Resources of Different Counties in Gansu Province .....	(269)
2-77	Natural Grassland Types of Gansu Province .....	(273)
2-78	Natural Grassland Classes and Grades of Gansu Province .....	(277)
2-79	Basic Situation of the Grassland Resources of Different Counties in Qinghai Province .....	(278)
2-80	Natural Grassland Types of Qinghai Province .....	(280)
2-81	Natural Grassland Classes and Grades of Qinghai Province .....	(285)
2-82	Basic Situation of the Grassland Resources of Different Counties in Ningxia Hui Autonomous Region .....	(287)
2-83	Natural Grassland Types of Ningxia Hui Autonomous Region .....	(287)
2-84	Natural Grassland Classes and Grades of Ningxia Hui Autonomous Region .....	(292)
2-85	Basic Situation of the Grassland Resources of Different Counties in Xinjiang Uygur Autonomous Region .....	(294)
2-86	Natural Grassland Types of Xinjiang Uygur Autonomous Region .....	(297)
2-87	Natural Grassland Classes and Grades of Xinjiang Uygur Autonomous Region .....	(307)
<b>Section 3 Type System of the Grasslands</b>		
3-1	Type System of the Natural Grasslands in China .....	(310)



第一部分 全国篇