

Land Classification of Experiment and Exemplary Areas on the Loess Plateau

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Abstract

Based on the analysis of geography background and characteristics of land, a classification system of land-type has been developed for 11 Experiment and Exemplary Areas (EEA) of Loess Plateau. The classification principles are: (1) Genetic process; (2) Principal component, (3) Oriented practical application; and (4) Matching with map-scale. In addition, this paper discusses the reasons to form different land-types on Loess Plateau, which are: (1) Crustal tectonic movement; (2) External causes; and (3) Mankind impacts.

简 讯 (1)

为促进黄土高原试验示范区综合治理评价信息系统的开发应用, 1989年5月10日至30日, 在西北水土保持研究所举办了第一期黄土高原小流域综合治理信息及数据库系统学习班。来自各试区30余名科技人员参加了学习。学习班由试区办与西北水土保持研究所联合举办, 15—A课题组负责教学。学习内容有关评价信息系统结构与应用、数据采集与处理、汉字操作系统及编程技术、CDBASE-III 与其它高级计算语言数据共享接口技术等。学习采用教学与讨论, 讲课与上机操作相结合的方法。通过学习, 学员们基本上掌握了教学内容。这次学习, 对试区综合治理监测评价工作的定量化、规范化、科学化将起积极作用, 也为第二次试区航空遥感监测飞行准备了技术条件。

(王培森供稿)

A Comprehensive Management Information System for Small Watershed on the Loess Plateau

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Abstract

The Comprehensive Management Information System for Small Watershed on Loess Plateau presented in this paper is built on database in big scale and oriented application of resources exploiting, utilization, planning and management of small watershed (about 10km²) on Loess Plateau. At the first stage this system is mainly concentrated to 11 Experiment and Exemplary Areas of Loess Plateau, and aimed at making management experiences from research areas more scientific and modular in order to be extended to the whole Loess Plateau as soon as possible.

简 讯 (2)

乾县试区“旱作农业增产体系研究”阶段成果, 1989年5月底通过了验收。该项研究由西北农业大学主持, 1986年开始实施, 成果内容包括: 为当地选出抗旱耐寒的小麦良种, 确定了小麦亩产250—300kg的配方施肥方案, 提出了适宜播期、播量等最佳农艺措施组合及深松土、覆盖等一整套抗旱耕作技术。近三年来, 累计推广小麦良种5万亩, 建立综合技术示范田1.5万亩。示范田比大田增产25—50%, 试验田小麦亩产均在250kg以上, 高者达400kg以上, 在当地产生了较大影响。验收会由陕西省科委主持, 与会的16名专家一致肯定成果的科学性、实用性及其明显的经济效益和社会效益, 并建议在该地区进一步推广。黄土高原综合治理试区办负责同志参加了验收。

(李岗供稿)

organic fertilizer>phosphorous fertilizer>density.

Searching for the optimization of the model with the computer, we assume that step is one, five factors and five levels a composed of 3125 designs yield in 75 designs reaches more than 225kg/mu. By frequency nalysis, the best agronomic measures can be marked out and are listed below, the plant density is 20000-25000plants/mu, sowing date is 10th-20th of june, phosphate fertilizer is 8-10kg/mu, nitrogen fertilizer 5-3kg/mu, organic fertilizer 2700-3500kg/mu.

简 讯 (3)

黄土高原综合治理15专题 (75-04-03-15), 于1989年2月28日至3月2日在西北水土保持研究所召开了工作汇报交流会, 来自11个试区14个单位的代表70人参加。会议汇报总结了1986—1988年的科研工作, 进行了学术交流, 制订出各课题1989—1990年的工作实施计划, 讨论了最终总结提纲。会议收到试验研究报告45篇, 反映出近三年来, 15专题在试区治理动态分析综合评价与建立区域治理综合技术体系两个方面, 都已取得了可喜的进展。这次会议目的明确, 要求具体, 紧张充实, 气氛和谐, 达到了预期目标。会议由西北水土保持研究所所长杨文治同志主持, 试区办公室主任汪立直同志参加了会议, 并在会上讲了话。

(刘耀宏供稿)