

Application of new technology in pest control of forestry

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Abstract: Forestry is People's life, Social Development, important content for environmental protection, with the continuous development and progress of science and technology, Forest Pest prevention work to be replaced by new technology, by using remote sensing, Geographic Information systems and High-tech technologies such as global Navigation satellite systems, strengthens the forest Survival and growth protection. This article describes the new technology theory, features, focuses on analyzing remote sensing technology, Geographic Information technology, navigation system and things networking technology 5 Item Technology, provides reference for strengthening research on new technologies of forest Pest Control.

Keyword: High-tech; Forest Pest; Census

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Forestry Pest mainly according to , Related biological type , Distribution , features , laws, etc. categorize and nonporous , counts its data , To organize , and analysis calculations , and summarize final results [1]. because forests are located in the locations are different, so , Forestry Pest with its geographical environment and the The location has important associations .

1. Application of remote sensing technology

Remote Sensing mainly refers to the remote observation technology without contact , is the package is surrounded by : sensor , remote sensor , electromagnetic waves and radiation and other remote probes , with specific material performance , Character and form analysis and collation of a type Science and technology [2] . century age, Our National Academy of Forestry begins with navigation blank video technology , Video recording of the whole forest area through the camera , at the same time , through effective use of remote sensing image processing system , to be filmed to a related graph like processing , And then make an image to reflect the harmful in the forest areabio area . with the development of science and technology , USA on century year age Mid-term development of avionics delineation technology , by using remote sensing ,GIS and GPS A combination of technologies , can quickly , accurate access to disaster data Line reflects . and until 2006 year China's Hunan province began to adopt avionicsdelineation system , gradually improve and improve China's forestry control effectiveness and remote Sense Technical vacancy , Enhanced monitoring capacity of forest pests^[3].

2. Application of Geographic information technology

Geographic Information systems combine multiple disciplines into , includes , geography , map Science , subjects such as remote sensing technology and computer science , and is widely applied to different collar through a scientific and rational combination and use of , domain , and can be truly reflected by using the computer system data information [4]. For example : Specific distribution areas of forest pests and type distribution . Although the current .

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geographic information technology software development is more, But its specific partition is 2 Large

class, Processing data by using the geo-information technology system; Is at the root of the geographic information system, to 2 Times developed nonporous new system. in European developed countries, Geographic Information Department is more used for environmental protection, disaster prediction, and city planning, etc. face

3. The application of the navigation system

Navigation Satellite System is the most widely used in the world 1 Way , main to include the : United States GPS , Russian GLONASS, China's Compass and EU's Galileo etc [5] . at the same time , Navigation Satellite system also

widely used in the prevention and control of forest pests . , century early , China's forestry pest control monitoring began to use GPS receiver , its mainly works with , location determination and related data collection of hazardous biological hazard areas , disaster Area Route records and investigation supervision , take aircraft monitoring of affected areas and prevention work and aircraft monitoring data logging and evaluation . for a better fully implemented navigation satellite systems technology Applications, specific for different areas requirements , Develop and design specific application software to meet production and admin .

4. Application of the Internet of things

IoT Technology is a concrete reflection and important part of the new information technology of the modern times $6^{\ \Box}$. Forest Pest control networking is primarily a front-end perception , pass and back-end application control combine and correlate , where sensors and bit , back-end image and text data processing are the focus of the current technology , through Specific application of these technologies , The reflects the soil in the forest area part , moisture and plant leaf physiology in forest area data information . use sensor technology and data collection in IoT technology in our country before technology is still A problem, should be for related issues , Strengthen forestry has Research nonporous of pest control field .

with the popularization and development of computer network technology, Modern High-st Learn about Technologies, Forest Pest control represented by new technology the domain has new innovations, main information Technology, through New energy combination of technologies with biotechnology, pushing forest pest control to new technology-oriented. New technology constantly changes people's lives and working environment, also, also improves forestry growth and environment in depth, for people to live and social development provide security.

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