

**Forest Service Manual
National Headquarters - Washington Office
Washington, DC**

**Forest Service Manual 3400 – Forest Health Protection
Chapter 3410 - Detection, Monitoring, And Evaluation**

Amendment: 3400-2009-1

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Duration: This amendment is effective until superseded or removed.

Approved by: Robin L. Thompson, Associate Deputy Chief

Date approved: May 13, 2009

Responsible Staff:

Last Change: 3400-90-2 to 3450

Superseded Document(s): 3400 Table of Contents, Amendment 3400-90-1, June 1, 1990; 3400 Zero Code, Amendment 3400-90-1, June 1, 1990; 3410, Amendment 3400-90-1, June 1, 1990; 3420, Amendment 3400-90-1, June 1, 1990; 3430, Amendment 3400-90-1, June 1, 1990; 3440, Amendment 3400-90-1, June 1, 1990; 3450, Amendment 3400-90-1, June 1, 1990

Posting Instructions: Amendments are numbered consecutively by title and calendar year. Post by document; remove the entire document and replace it with this amendment. Retain this transmittal as the first page(s) of this document. The last amendment to this title was 3400-90-2 to 3450.

Digest: Following is an explanation of the changes throughout the directive by section.

3400: Makes editorial and technical changes throughout the chapter. Replaces the term “forest pest management” with “forest health protection” to reflect the current organizational structure.

3401.1: Changes caption from “Federal Statutes” to “Laws.” Adds legislative authority for management of invasive plants on non-Federal lands and on Federal lands with tropical forests. Adds authority to accelerate information gathering to address forest-damaging insects and diseases, and to improve the capacity to detect insect and disease infestations at an early stage.

3401.2: Changes caption from “State Legislation” to “Regulations” and incorporates Department Regulations 9500-10 and 5600-001 in this section. Recodes existing direction to section 3401.4.

3401.3: Changes caption from “Quarantine Regulations” to “Executive Orders.” Removes all obsolete existing text in the section and incorporates to this section cross-reference to Executive Order 13112.

3401.31: Removes code, caption, and obsolete direction for “Export Regulations.”

3403.32: Removes code, caption, and obsolete direction for “Import Regulations.”

3401.4: Establishes code and caption “State Legislation” and recodes to this section direction previously set out in section 3401.2.

3403: Updates and clarifies policy. Adds the activity of monitoring forest health. Adds provision for cooperation with other Federal agencies.

3404.11: Removes responsibility for the Chief to submit an annual national insect and disease conditions report to the Secretary and Congress.

3404.12: Removes responsibility of Deputy Chief for State and Private Forestry to approve requests for the extension of special project completion dates. Cross-references invasive species responsibilities of the Deputy Chief for National Forest System in FSM 2900.

3404.13: Changes the caption from “Director, Forest Pest Management” to “Director of Forest Health Protection.” Adds forest health monitoring to the responsibilities of the Director of Forest Health Protection. Revises the responsibility for making Federal financial assistance provided by Federal statutes available to both States and other cooperators.

3404.2: Changes caption from “Regional Foresters, Station Directors, and the Area Director” to “Regional Foresters, the Northeastern Area Director, and the Director of the International Institute of Tropical Forestry.” Replaces the term “integrated pest management” with “forest health protection activities.” Removes requirement to establish formal procedures to report pest surveillance discoveries.

3404.21: Changes caption from “Regional or Area Staff Director Having Forest Pest Management Responsibilities” to “Regions, Northeastern Area, and the International Institute of Tropical Forestry Forest Health Protection Program Leadership Responsibilities.”

3404.3: Replaces the term “integrated pest management” with “forest health protection.” Replaces the term “pest control projects” with “forest health protection projects.”

3405: Removes code and caption, and all obsolete terms from “Definitions” section.

3409.11: Changes caption from “Forest Pest Management Handbook” to “Forest Health Protection Handbook,” removes all obsolete existing text, and reserves code and caption for future use.

3409.2: Removes code and caption.

3409.21: Removes code and caption, and all existing obsolete text.

3410: Makes editorial and technical changes throughout the chapter. Changes chapter title from “Pest Detection” to “Detection, Monitoring, and Evaluation.” Replaces the term “forest pest management” with “forest health protection” to reflect the current organizational structure.

3411: Changes caption from “Routine Field Surveillance” to “Detection and Monitoring.” Removes obsolete direction for surveillance and sets forth in this section new direction for detecting, monitoring, and evaluation of forest insect and disease conditions.

3412: Changes caption from “Detection Surveys” to “Reporting Detections of Insects and Diseases not Previously Known to Occur in the United States.” Revises procedure for reporting new pest introductions and replaces the term “new pest introductions” with “insects or disease causing agents not previously known to occur in the United States.”

3413: Establishes new code, caption, and sets forth new direction in this section for “Biological Evaluations.”

3413.04: Establishes new code, caption, and sets forth new direction in this section for “Responsibility” for staffs having forest health protection duties.

3420: Makes editorial and technical changes throughout the chapter. Changes chapter title from “Pest Management Evaluations” to “Management.” Replaces the term “forest pest management” with “forest health protection” to reflect the current organizational structure.

3421: Changes caption from “Biological Evaluation” to “Requirements for Forest Health Protection Prevention, Suppression, Eradication, and Restoration Projects.” Revises cooperative control project participation criteria.

3421.1: Changes caption from “Risk Evaluation” to “Requirements for All Prevention, Suppression, Eradication, and Restoration Projects” and sets forth in this section new direction for these requirements. Removes obsolete direction for conducting risk evaluation.

3421.2: Changes caption from “Initial Evaluation” to “Additional Requirements for Projects on Non-Federal Lands” and sets forth in this section new direction for these requirements. Removes obsolete direction for initial evaluation.

3421.3: Removes code, caption, and obsolete direction for “Pretreatment Evaluation.”

3421.4: Removes code, caption, and obsolete direction for “Post-Treatment Evaluation.”

3431.5: Removes code, caption, and obsolete direction for “Cooperation.”

3422: Changes caption from “Economic Evaluation” to “Coordination with USDA Animal and Plant Health Inspection Service” and sets forth in this section new direction for cooperation between Federal and State agencies. Removes obsolete direction for economic evaluation.

3423: Changes caption from “Environmental Analysis” to “Documentation of Forest Health Protection Prevention, Suppression, Eradication, and Restoration Projects.” Revises requirements for documentation of proposed pest control projects. Changes the term “pest control projects” to “forest health protection prevention, suppression, eradication, and restoration projects.” Changes the requirement for an environmental analysis to requirement for appropriate analysis.

3424: Changes caption from “Loss Assessment” to “Forest Health Protection Prevention, Suppression, Eradication, and Restoration Project Record Keeping.” Changes requirements for control project record keeping.

3430: Makes editorial and technical changes throughout the chapter. Changes chapter title from “Forest Pest Management Control Project Standards” to “Program Funding and Accomplishment Reporting” and provides guidance on Forest Health Protection program funding and accomplishment reporting. Replaces the term “forest pest management” with “forest health protection” to reflect the current organizational structure. Removes obsolete direction throughout entire chapter and sets forth new direction in all sections.

3431: Changes caption from “Standards for Proposed Control Projects” to “Allocation and Use of Funds.”

3431.1: Establishes code and caption “Federal Lands Forest Health Management” and sets forth new direction in this section for using funds for management of invasive plants.

3431.12: Establishes code, caption, and sets forth new direction in this section on “Financial Assistance to Other Federal Agencies.”

3431.2: Establishes code and caption “Cooperative Lands Forest Health Management.”

3431.21: Establishes code, caption, and sets forth new direction in this section on the “Cooperative Forest Health Protection Program.”

3431.22: Establishes code, caption, and sets forth new direction in this section on “Cost-sharing Prevention, Suppression, Restoration, and Eradication Programs and Projects.”

3432: Changes caption from “Documentation of Proposed Control Projects” to “Special Technology Development, Pesticide Impact Assessment Program, Forest Health Monitoring Evaluation Monitoring Projects, and Other Program/Projects.”

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3432.1: Establishes code, caption, and sets forth new direction in this section on “Cost-sharing Special Technology Development, Pesticide Impact Assessment Program, Forest Health Monitoring Evaluation Monitoring Projects, and Other Program and Projects.”

3433: Changes caption from “Forest Service Participation in Cooperative Control Projects” to “Reporting Forest Health Conditions, Accomplishments, and Expenditures.”

3434: Changes caption from “Control Project Recordkeeping” to “Forest Health Protection Accomplishments.”

3435 through 3435.2: Removes codes, captions, and all obsolete direction for these sections.

3440: Removes obsolete direction from entire chapter. Changes chapter title from “Special Pest Management Projects” to “Special Forest Health Protection Projects” and reserves code and caption for future use.

3450: Removes obsolete direction from entire chapter. Changes chapter title from “Pest Management Administration” to “Forest Health Protection Administration” and reserves code and caption for future use.

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3411 - Detection and Monitoring

Detection, monitoring, and evaluation are key components of an effective forest health protection program. Detection and monitoring activities are designed for the early discovery, surveillance, and assessing the status and trend of potentially detrimental forest insect and disease conditions, including human-caused stresses affecting forests and trees. Forest Service personnel should be routinely alert in their field activities to detect, monitor, and report current and potential forest health problems. Personnel should receive the proper training to safely and effectively fulfill this duty.

The Directors for region, Northeastern Area, and International Institute of Tropical Forestry (IITF) staffs having forest health protection responsibilities shall ensure that surveys used to detect and monitor forest health conditions and trends on National Forest System land and in cooperation with other Federal, tribal, and non-Federal land managers, are conducted, as necessary.

Following permission from a landowner or the State, Forest Service personnel may conduct detection surveys and monitoring directly on State and private lands, or conversely, State personnel may conduct surveys on National Forest System land.

Detection and monitoring of non-native forest insects, disease, and plants necessitates full cooperation between Forest Service and the U.S. Department of Agriculture (USDA) Animal and Plant Health Inspection Service (APHIS), State forestry, and State pest regulatory agencies. Federal agency responsibilities vary by introduced pest and geographic locations. Responsibilities may be addressed in pest-specific Memorandums of Understanding between Forest Service and APHIS. Regions, the Northeastern Area, and the IITF should contact the Washington Office Director, Forest Health Protection, for current status of Agency responsibilities.

3412 - Reporting Detections of Insects and Diseases Not Previously Known to Occur in the United States

Regions, the Northeastern Area, stations, and the IITF shall report to the Director of Forest Health Protection the detection of any new, or suspected new, forest insect and disease not previously known to occur in the United States, and the detection of any forest insect and disease quarantined by the Animal and Plant Health Inspection Service (APHIS) found outside the quarantined zone(s). Units should also report the detection of new finds to the local APHIS and State pest regulatory official. Information pertaining to the detection of new and suspected new “finds” that pose or likely may pose a significant threat to the health of forests in the United States is considered confidential until release of the information is coordinated with State regulatory and forestry agencies and the State APHIS regulatory officer.

3413 - Biological Evaluations

Evaluation is the process of gathering, analyzing, and interpreting technical data, and presenting it in such a way that the resource manager is able to decide whether action is needed and, if so, to help determine which alternative action is best suited to meeting management objectives. Biological evaluations consider the biological, environmental, and/or economic feasibility of alternative forest health protection strategies.

3413.04 - Responsibility

The Director, assistant director, group leader, or other designated leader for region, Northeastern Area, and IITF staffs having forest health protection responsibilities have the responsibility to work in partnership with Federal resource managers to conduct and document needed forest health evaluations, or appraisals of forest health conditions including, but not limited to:

1. The status of forest insects, diseases, and invasive plants;
2. Assess the magnitude and extent of risk these pose to forest and tree resources;
3. Assess damage; and
4. Make recommendations to resource managers on methods to protect, enhance, maintain, and restore resources.

Assistance may be provided to non-Federal resource managers when requested.