

(updated 2/22/19)

**Appalachian State University
Landscape Services**

IPM Plan

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INTRODUCTION

Pests are populations of living organism (animals, plants, or microorganism) that interfere with use of landscapes, university buildings, and other facilities for human purposes.

Integrated Pest Management (IPM) is an approach that establishes a sustainable approach to managing pests by combining biological, cultural, physical and chemical tools in a way that minimizes economic, health and environmental risks.

The Landscape Services Department at Appalachian State University (ASU) has adopted this Integrated Pest Management Plan for the campus grounds ASU Landscape Services manages. The plan outlines procedures to be followed to manage pest populations within the landscape while minimizing impacts to the environment and protecting the health and safety of staff, students and visitors from pest and pesticide hazards. The plan is designed to voluntarily comply with policies and regulations promulgated by the Department of Agriculture for public buildings and landscapes.

Objectives of this IPM plan include:

- Elimination or suppression significant threats caused by pests to the landscaped areas of campus.
- Prevention of loss or damage to plant material, turf, or trees by pests.
- Protection of environmental quality inside and outside buildings.

This IPM plan will be stored in the office of the IPM Coordinator.

IPM COORDINATOR

The Facilities Superintendent or designee shall be ASU Landscape Services' IPM Coordinator and be responsible to implement the IPM plan and to coordinate pest management-related communications between ASU Landscape Services, staff, and students.

The Facilities Superintendent may designate an employee within ASU Landscape Services to serve as the IPM Coordinator for campus.

POSTING AND NOTIFICATION OF PESTICIDE APPLICATIONS

The IPM Coordinator shall be responsible for annually notifying faculty, staff and students of procedures for requesting notification of planned and emergency applications of pesticides on facility grounds.

When pesticide applications are scheduled at ASU-managed grounds, ASU Landscape Services staff shall provide notification in accordance with law, including:

1. Posting a pest control information sign with the date, time and location of the application and the product applied in an appropriate area and including contact information for additional details.
2. Providing this information to all individuals potentially impacted.
3. Providing this information to those who have requested notification of individual applications of pesticides.

Where pests pose an immediate threat to the health and safety of students, staff, or visitors, ASU Landscape Services may authorize an emergency pesticide application and shall notify by telephone any individual who has requested such notification.

RECORD KEEPING & PUBLIC ACCESS TO INFORMATION

ASU Landscape Services will maintain records of pest control treatments for at least three (3) years. Information regarding pest management activities will be made available to the public at the ASU Landscape Services' administrative office. Requests to be notified of pesticide applications may also be made to this office. All individuals will be informed of their option to receive notification of all pesticide applications and once annually.

TRAINING

All ASU Landscape Services staff will be provided with training on ASU Landscape Services' IPM policy at hire and during annual update training. Training will include the rationale for the IPM policy and program and specific elements including use of the pest-sighting log and prohibition on pesticide applications by non-certified individuals.

Additionally, designated staff including the IPM Coordinator, IPM Site Coordinators and those who conduct regular inspections of ASU grounds will receive advanced training on identifying pest infestations and pest-conducive conditions. This training will improve the ability of ASU Landscape Services staff to remain in compliance with ASU Landscape Services' IPM policy and plan.

GENERAL IPM STRATEGIES

Pest management strategies may include quarantining, sanitation, maintenance, biological and mechanical controls, and pre-approved, site-appropriate pesticides.

An Integrated Pest Management decision at ASU Landscape Services shall consist of the following steps:

1. Identify pest species.

2. Estimate pest populations and compare to established action thresholds.
3. Select the appropriate management tactics based on current on-site information.
4. Assess effectiveness of pest management.
5. Keep appropriate records.

Decisions concerning whether or not pesticides should be applied in a given situation will be based on a review of all available options. Efforts will be made to avoid the use of pesticides by improving plant health, selection of pest-resistant plant materials, and appropriate horticultural practices.

When it is determined that a pesticide must be used in order to meet pest management objectives, the least-hazardous material, adequate for the job, will be chosen.

All pesticide storage, transportation, and application will be conducted in accordance with the requirement of the Federal Insecticide, Fungicide, and Rodenticide Act (7 United States Code 136 et seq.), Environmental Protection Agency regulations in 40 CFR, Occupational Safety and Health Administration regulations, ASU Landscape Services policies and procedures, and local ordinances.

No person shall apply, store, or dispose of any pesticide on ASU Landscape Services-managed property without an appropriate pesticide applicator license or be under the direct supervision of a person with an appropriate pesticide applicator license. All pesticide applicators will be trained in the principles and practices of IPM and the use of pesticides approved for use by ASU Landscape Service. All applicators must comply with the IPM policy and follow appropriate regulations and label precautions when using pesticides in or around Appalachian State University facilities.

ASU LANDSCAPE SERVICES STAFF ROLES

ASU Landscape Services administration will provide support to assist the IPM Coordinator in maintaining an IPM program that relies on minimal pesticide use. Such support will include efforts to promptly address any structural, horticultural, or plant healthcare changes recommended by the coordinator to reduce or prevent pest problems.

Furthermore, ASU Landscape Services administration will assist the Coordinator in developing and delivering materials and programs for staff, students, and the public to educate them about the importance of pest control.

The facility director is responsible for ensuring staff compliance with the IPM policy and plan.