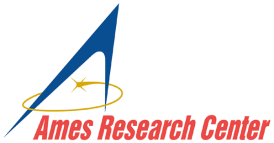


GROUNDS MAINTENANCE AND PEST CONTROL SERVICES

FACILITIES MAINTENANCE SERVICES

**NASA Ames Research Center
MOFFETT FIELD, CA 94035-1000**



LANDSCAPING AREAS

Moffett Field Total Area	1,840 acres
• Ames Research Center	440 acres
• Moffett Airfield Complex	1,400 acres
Moffett Field Total Improved Maintenance Areas:	576.9 acres
Moffett Field Total Level I & II Maintenance Areas:	73.8 acres
Moffett Field Total Level III Maintenance Areas:	491.7 acres
Moffett Field Total Other Maintenance Areas:	11.5 acres
• (e.g. rock, bark, mulch, etc.)	
Moffett Field “No Maintenance” Areas:	363.9 acres
Moffett Field Total Maintenance Responsibility Area:	1,476.1 Acres

GROUNDS MAINTENANCE

Contractor Is Responsible For:

- mowing and trimming lawns
- debris removal from landscape and around buildings
- flail-mowing/dethatching turf, and turf renovation
- landscape damage repair
- weed abatement and growth inhibitors
- plant bed cultivation and mulching
- vegetation control in Level III areas
 - roadway shoulders and ditches
 - field mowing
- building and facility vegetation clearance
- airfield lights and marker clearance
- paved surface crack clearance
- landscape irrigation maintenance and repair
- shrub pruning and ground cover renovation
- fertilization and liming
- tree pruning, general and annual cycle pruning
- tree and shrub removal and establishment
- insect and animal pest mitigation (IPM)

LANDSCAPE MATERIALS AND EQUIPMENT

Contractor shall provide as required

- licenses and certifications
- vehicles
- spray application equipment
- mowers, tractors, power leaf blowers, edgers, saws, pruning equipment, hand tools
- hoses, sprinklers, safety and personal protective equipment
- fertilizers, chemical pesticides/herbicides
- fuels and lubricants
- lawn seed, replenishment plants, shrubs, trees
- replenishment soil, rock, mulch, wood chippings, sand, lime, etc.

INTEGRATED PEST MANAGEMENT (IPM)

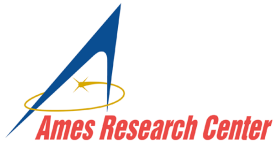
- IPM, including Integrated Vegetation Management (IVM), is a science-based pest management approach which uses information about the biology and habitat requirements of the pest to design an environmentally sound, proactive management program
- To the degree possible, pests and the conditions conducive to their presence, are reduced or removed using non-chemical methods wherever possible

IPM PROCEDURES

- Identification: identify pest and/or conditions conducive to infestations
- Monitoring: monitor pests and their numbers
- Documentation: report and record findings from sampling
- Injury Level Determination: determine nuisance level to humans
- Action Level Determination: determine action level based on pest population size from which injury level predictions can be derived
- Evaluation: system to determine the outcome of treatment actions

GENERAL OBJECTIVE OF IPM

To replace reactive pesticide applications with an effective and affordable Integrated Pest Management (IPM) monitoring system and management program that focuses on long-term pest prevention while reducing the use of toxic materials in the process



SPECIFIC IPM GOALS FOR NASA AMES

- Reduce Pesticide use at Moffett Field
- Use least-toxic chemical control methods
- Customize program to the pest and the site
- Includes Integrated Vegetation Management (IVM)
which reduces the use of pesticides and herbicides in
the grounds maintenance activities