BUREAU OF SHADE TREE MANAGEMENT AND PEST CONTROL

ANNIAT. REPORT

FISCAL YEAR 1993

James MacArthur, Chief

The following is a statistical summary of the bureau's activities, in no way is it a complete picture of all of the activities that are conducted by bureau personnel.

DISTRICT SUPERVISOR ACTIVITIES

Municipal Assistance	224
Educational Programs: Attended Conducted	19
Arbor Day Programs: Number of Programs Number os Seedlings distributed	41 15,000
Special Projects: Gypsy Moth Plots Research Projects in conjunction with	59
UMASS and USDA	10
Christmas Tree for the Constitution	1
Aquatic Weed Survey	6
Dam Inspections Aerial survey	1 2
Insect Survey	47
Gypsy Moth Spraying	13
North American Maple Project	10
Forest Health Monitoring Research	86
Number of Telephone Inquiries Answered	498
Number of Property Owners Assisted	78
SHADE TREE MANAGEMENT CREW ACTIVITIES	
Forest & Park Work:	
Number of Areas Assisted	72
Number of Trees Pruned	1,727
Number of Trees Removed	1,705
Number of Stumps Removed	184
Assistance to Other Agencies:	
Number of Agencies Assisted	7
Number of Man Days	12
Number of Trees Removed	28
Number of Trees Pruned	30

Special Projects Search and Rescue Pesticide Application Holyoke Rail Trail, Brush Clearing Lift Truck Assistance to Constructi Sugaring at Krug Sugar Bush Ground Maintenance at Park Area Lift Truck Assistance to Other DEM Projects	87 30 on Crew 15 21 69	Man	Da Da Da Da Da
Line Clearance to Fire Towers URBAN FORESTRY ACTIVITIES	12	Man	Da
Total Grant Applications Received: Number Dollars	40 \$69,665		
Total Grants Funded: Number Dollars	18 \$34,495		
Grants to Volunteer Groups: Number Dollars Total number of volunteers involved	18 \$34,495 1,350		
Number of Trees Planted: Seedlings Saplings and Larger	18,000		
Number of Communities provided technical assistance:	300		
Number of Tree Cities USA: Basic Award Growth Award	2	0	
Number of Mass ReLeaf Awards:	2	4	
SBA Activities: Total Number of Grants Received Total Number of Grants Funded Total Dollar Awards Total Number of Trees Planted	6 \$704,035.2 3,65	2	
Number of Volunteer Groups Supported	2	20	

INSECT AND DISEASE ACTIVITY

Gypsy Moth populations continue to decline with 88,684 acres defoliated. Expected defoliation in 1994 will be heaviest in the south shore area and Middlesex County. The Cape is starting to show a population increase. See Map "A".

- Oak Leaf Tier populations remain low. No defoliation was noted and no catches were recorded in the pheromone traps.
- Oak Leaf Skeletonizer populations are increasing in Worcester County.
- Hemlock Wooly Adelgid continue to spread. Infestations have been located in Lakeville, Chicopee, Sandwich, Brimfield, Taunton, Wareham, Cambridge, Westport, Rehoboth, Barnstable, and Russell. See Map "B".
- Hemlock Looper no new defoliation was recorded.
- Larch Sawfly populations remain stable, 25 acres of defoliation was reported in Barre.
- Pitch Pine Looper populations continue to increase in Plymouth and Barnstable Counties with scattered heavy defoliation. One private campground conducted a control operation.
- Winter Injury on Red Spruce 1,501 acres were recorded in Berkshire County.
- Salt spray Injury was recorded on the outer cape, 7000 acres were mapped.
- Fall Webworm continues to cause heavy defoliation. statewide.
- Eastern Tent Caterpillar populations remain heavy in Middlesex County.
- <u>Pear Thrips</u> trap catches increased but no damage was noted.
- White Ash decline was noted statewide, the trees do not exhibit the signs of ash yellows. The problem is believed to be water related or a result of a very heavy seed crop in 1992.
- Anthracnose was prevalent in Berkshire County on sycamore, white oak, and ash.
- Tar Spot has increased in central and northern Berkshire County. In some cases this has caused premature leaf drop.

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
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