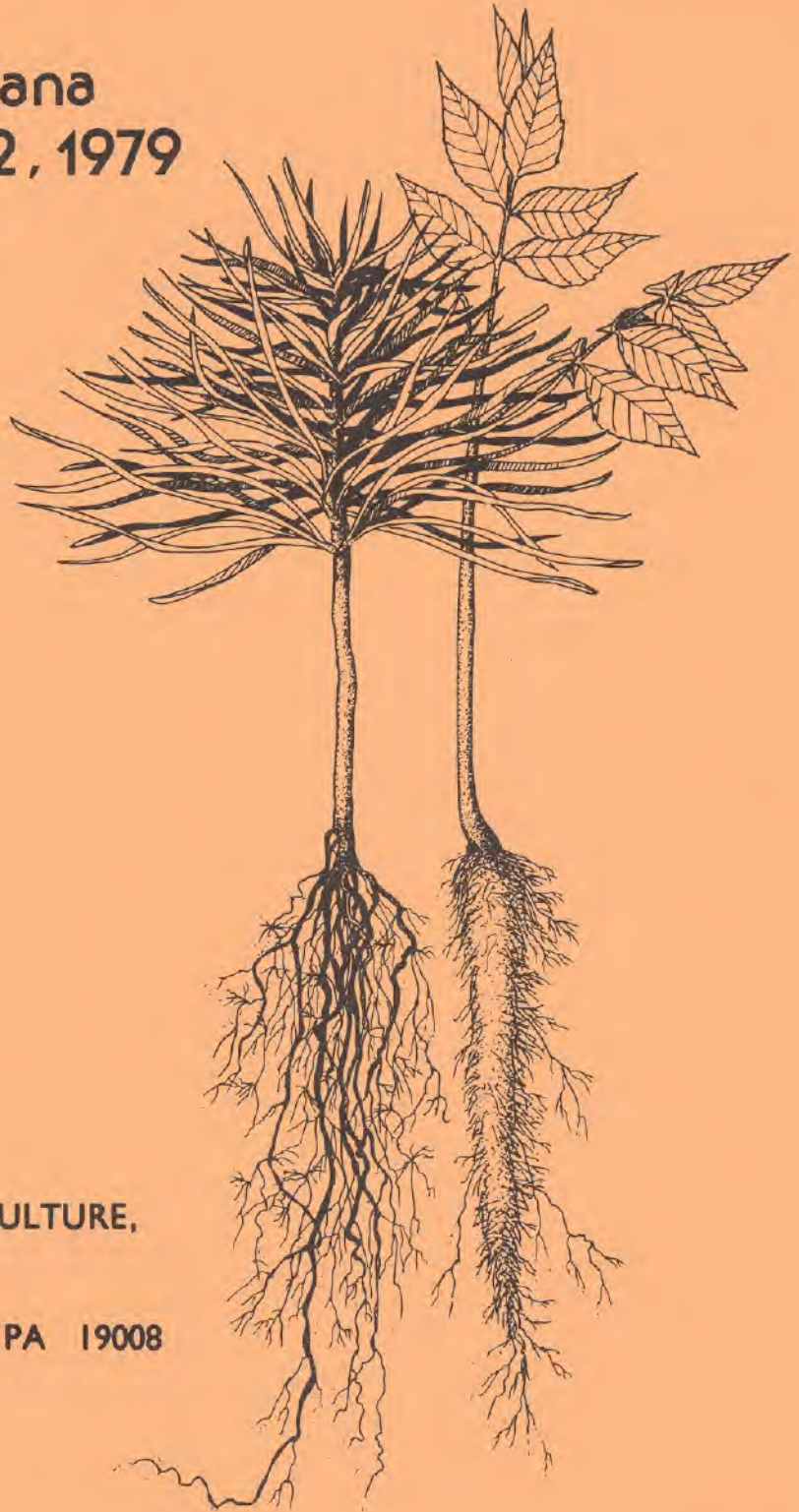


NORTHEASTERN AREA NURSERYMEN'S CONFERENCE

Bloomington, Indiana
July 30 - August 2, 1979



NORTHEASTERN AREA,
STATE & PRIVATE FORESTRY

U. S. DEPARTMENT OF AGRICULTURE,
FOREST SERVICE

370 REED ROAD, BROOMALL, PA 19008

TABLE OF CONTENTS

	<u>Page</u>
Purpose and Theme of Conference	
Program	ii
List of Attendees	iv
Welcome and Keynote Address - John Datena	1
The Northeastern Area, Changes and Outlook - Lloyd R. Casey	3
Instructions for Nursery Cost Accounting - Gil Ellis	5
Cost Accounting Methods of a Private Nursery - Conrad Eastman	23
Weed Sanitation and Herbicides - Philip L. Carpenter	29
Soil and Plant Analytical Services for Tree Nurseries - F. M. Solan, D. H. Bickelhaupt and A. L. Leaf	35
Integrated Control Procedures for Nursery Pest Management - Charles E. Cordell	43
Results of 1978 <u>Pisolithus Tinctorius</u> Ectomycorrhizae National Evaluation in 33 Bare-Root Nurseries and 18 Container Seedling Studies in the United States - Charles E. Cordell and Donald H. Marx	52
Overwinter Storage in New York - Robert L. Evans	57
Considerations and Steps to Be Taken in Planning Cold Storage - Delbert G. Mugford	60
Needs in Cold Storage Design - Stewart Pequignot	62
Cold Storage in Minnesota - Miles Wiegand	65
Environmental Quality Evaluation's Responsibility in Nursery Pesticide Applications - Charles L. Hatch	67
Transplanter Cat - Archie Hakala	70
Nursery Equipment Development at MEDC - Richard G. Hallman.	71
Vallonia Nursery - Steve Pennington	76

TABLE OF CONTENTS (CONT'D.)

	<u>Page</u>
Weed Sanitation Program at the Vallonia Nursery - Dr. James R. Wichman	77
Short Term Progeny Tests for Black walnut and Tulip Poplar - Mark V. Coggeshall and Walter F. Beineke	79
Greetings from Jasper-Pulaski: Indiana's Northernmost State Forest Nursery - Donald L. Westefer	82
Nursery Pest Management at the Vallonia Nursery - Philip T. Marshall	85
Mid-West Nursery Weed Control Administrative Study: 1979 Progress Report - Harvey A. Holt	89
Small Lot Seed Processing Workshop - Dr. Earl Belcher	99
Minutes of Business Meeting	103
State and Provenance Reports	104
Resolution	107

PURPOSE OF CONFERENCE

1. To exchange professional ideas and share current research findings.
2. To generate formal and informal communication about production of nursery stock for reforestation and other conservation plantings.

THEME

The practices of nursery management and weed sanitation.

Participants include government nurserymen, private nurserymen, university and government research scientists, foresters and others interested in achieving the most efficient reforestation program possible for the Northeastern United States.

PROGRAM

NURSERYMEN'S CONFERENCE

JULY 30 THROUGH AUGUST 2, 1979

July 30

Registration - Motel Lobby - Inn of the Fourwinds

July 31

John Datena - Welcome and Keynote Address

Steve Pennington - Announcements

Lloyd R. Casey - The Northeastern Area, Changes and Outlook

Gilbert Ellis - Government Nurseries - Instructions for Nursery Cost Accounting

Conrad Eastman - Private Nurseries - Cost Accounting Methods

Philip L. Carpenter - Weed Sanitation and Herbicides

F. M. Solan, D. H. Bickelhaupt, A. L. Leaf - Soil and Plant Analytical Services for Tree Nurseries

Charles E. Cordell - Nursery Insects and Disease

Panel Discussion on Cold Storage

Lloyd Casey - Moderator, State & Private Forestry, USDA Forest Service, Broomall

Robert L. Evans, New York - Overwinter Storage

Delbert G. Mugford, Missouri - Consideration and Steps to Take In Planning Nursery

Stewart Pequignot, Illinois - Needs in Cold Storage Design

Miles Wiegand - Cold Storage in Minnesota

Ken Wojahn - Wisconsin

Charles L. Hatch - Environmental Quality Evaluations Responsibility in Nursery Pesticide Applications

Archie Hakala - Minnesota Tractor Conversion

Richard G. Hallman - Nursery Equipment Ideas

PROGRAM (CONT'D.)

August 1

Steve Pennington - Vallonia Nursery

James R. Wichman - Weed Sanitation at the Vallonia Nursery

Mark V. Coggeshall and Walter F. Beineke - Short Term Progeny Tests for
Black Walnut and Tulip Poplar

Donald L. Westefer - Greetings from Jasper-Pulaski: Indiana's Northernmost
State Forest Nursery

Philip T. Marshall - Nursery Pest Management at the Vallonia Nursery

Harvey A. Holt - Mid-West Nursery Weed Control Administrative Study:
1979 Progress Report

BANQUET - Speaker - James Leigh, Lt. Governor

August 2

Dr. Earl Belcher - Small Lot Seed Processing Workshop