

National Elm Trial in Alabama

- Established April 2007
- Located in Auburn, Alabama
 - Ag Heritage Park-at the southwest corner of Samford Ave. and Donahue Drive
 - Visitors are welcome
- 15 species of Elm trees in trial
- Gently sloping site with mowed turf
- No irrigation
- Insects: Minor incidence of flea beetles, soft scale, and sap suckers (no significant effects)
- Best Cultivars to date:
 - *U.* 'Morton Red Tip' Danada Charm®
 - *U.* 'Morton Stalwart' Commendation®
 - *U.* 'Homestead'

Soccer Field																					
Row	Line	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Barn	E				19 Lewis & Clark Prairie Expedition	18 Emerald Sunshine	17 Everclear	16 Emer I Athena Classic	15 Morton Plainsman Vanguard	14 Morton Glossy Triumph	13 Prospector	12 Pioneer	11 Patriot	10 New Horizon	9 Homestea d	8 Frontier	7 Morton Red Tip Danada Charm	6 Morton Stalwart Commendation	5 Morton Accolade	3 Princeton	3 Princeton
	D				6 Morton Stalwart Commendation	7 Morton Red Tip Danada Charm	8 Frontier	9 Homestea d	10 New Horizon	11 Patriot	12 Pioneer	13 Prospector	14 Morton Glossy Triumph	15 Morton Plainsman Vanguard	16 Emer I Athena Classic	17 Everclear	18 Emerald Sunshine	19 Lewis & Clark Prairie Expedition	20 Emer II Allee	7 Morton Red Tip Danada Charm	2 Jefferson
	C			20 Emer II Allee	18 Emerald Sunshine	17 Everclear	16 Emer I Athena Classic	15 Morton Plainsman Vanguard	14 Morton Glossy Triumph	13 Prospector	13 Prospector	11 Patriot	10 New Horizon	9 Homestead	8 Frontier	7 Morton Red Tip Danada Charm	6 Morton Stalwart Commendation	5 Morton Accolade	4 Valley Forge	3 Princeton	
	B		3 Princeton	18 Emerald Sunshine	5 Morton Accolade	6 Morton Stalwart Commendatio n	7 Morton Red Tip Danada Charm	8 Frontier	5? Morton Accolade	10 New Horizon	11 Patriot	12 Pioneer	13 Prospector	14 Morton Glossy Triumph	15 Morton Plainsman Vanguard	16 Emer I Athena Classic	17 Everclear	18 Emerald Sunshine			
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Ag Heritage Park																					

Samford

Avenue

Alabama Cultivar List

Cultivar #	Cultivar names	Trademark	Parentage
3	<i>U. americana</i> 'Princeton'		
5	<i>U.</i> 'Morton'	Accolade™	
6	<i>U.</i> 'Morton Stalwart' Commendation™	Commendation™	
7	<i>U.</i> 'Morton Red Tip'	Danada Charm	Ulmus japonica x wilsoniana 'Morton Red Tip'
8	<i>U.</i> 'Frontier'		Ulmus (carpinifolia x parvifolia) 'Frontier'
9	<i>U.</i> 'Homestead'		<i>U. pumila</i> x hybrid N 215
10	<i>U.</i> 'New Horizon'		<i>U. pumila</i> x <i>U. davidiana</i> var. japonica
11	<i>U.</i> 'Patriot'		Ulmus ('Urban' x wilsoniana 'Prospector') 'Patriot'
12	<i>U.</i> 'Pioneer'		<i>U. glabra</i> x <i>U. carpinifolia</i>
13	<i>U. wilsoniana</i> 'Prospector'		
14	<i>U.</i> 'Morton Triumph'	Triumph	<i>U. pumila</i> x <i>U. japonica</i> x <i>U. wilsoniana</i>
15	<i>U.</i> 'Morton Plainsman'	Vanguard	
16	<i>U. parvifolia</i> 'Emer I'	Athena®	
17	<i>U. parvifolia</i> 'BSNUPF'	Everclear®	
18	<i>U. propinqua</i> 'JFS-Bieberich'	Emerald Sunshine®	
19	<i>U. americana</i> 'Lewis & Clark'	Prairie Expedition® Elm	

National Elm Trial Contacts- Alabama

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- Department of Horticulture
- Auburn University
- Auburn, Alabama 36849
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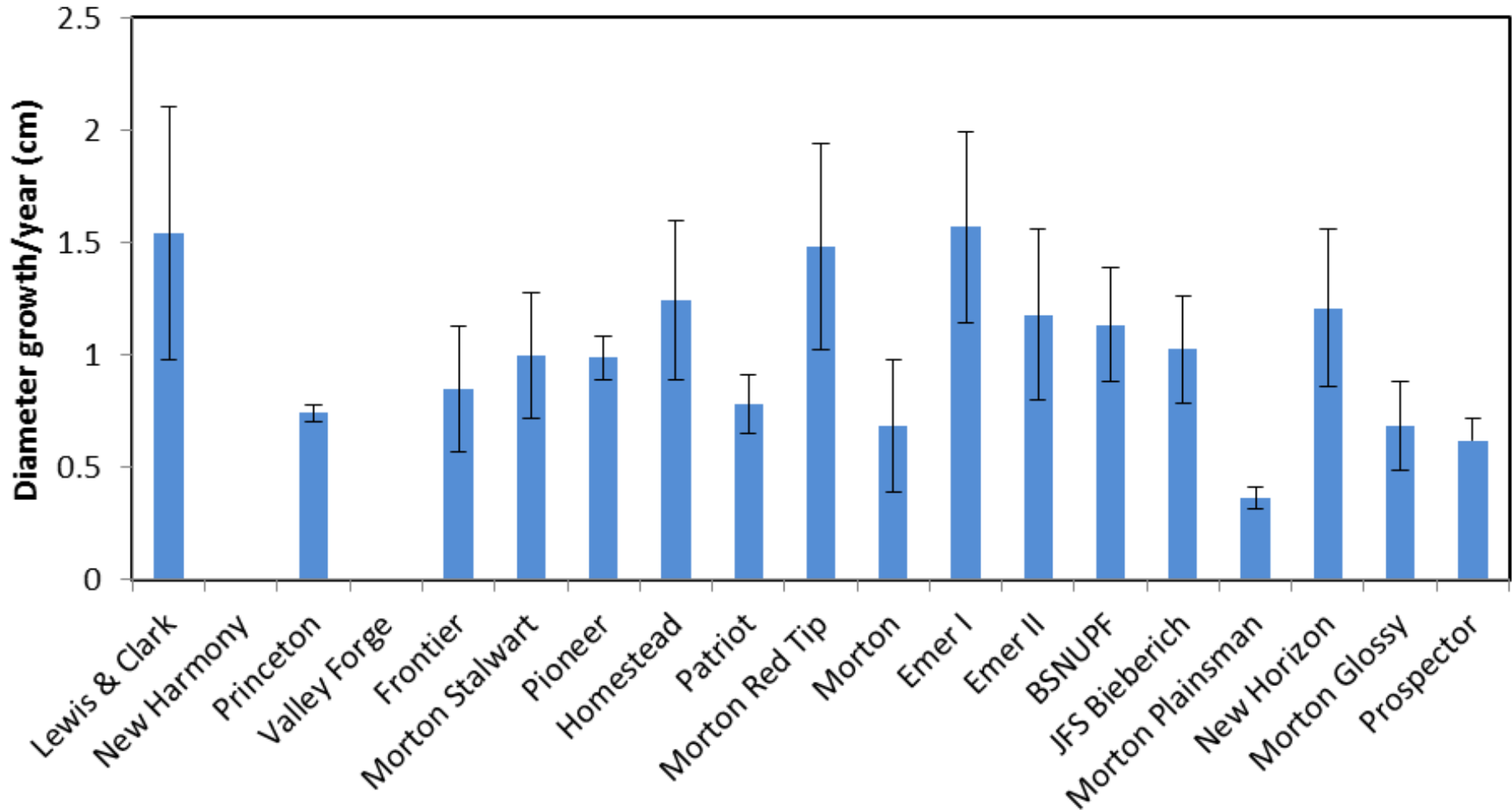


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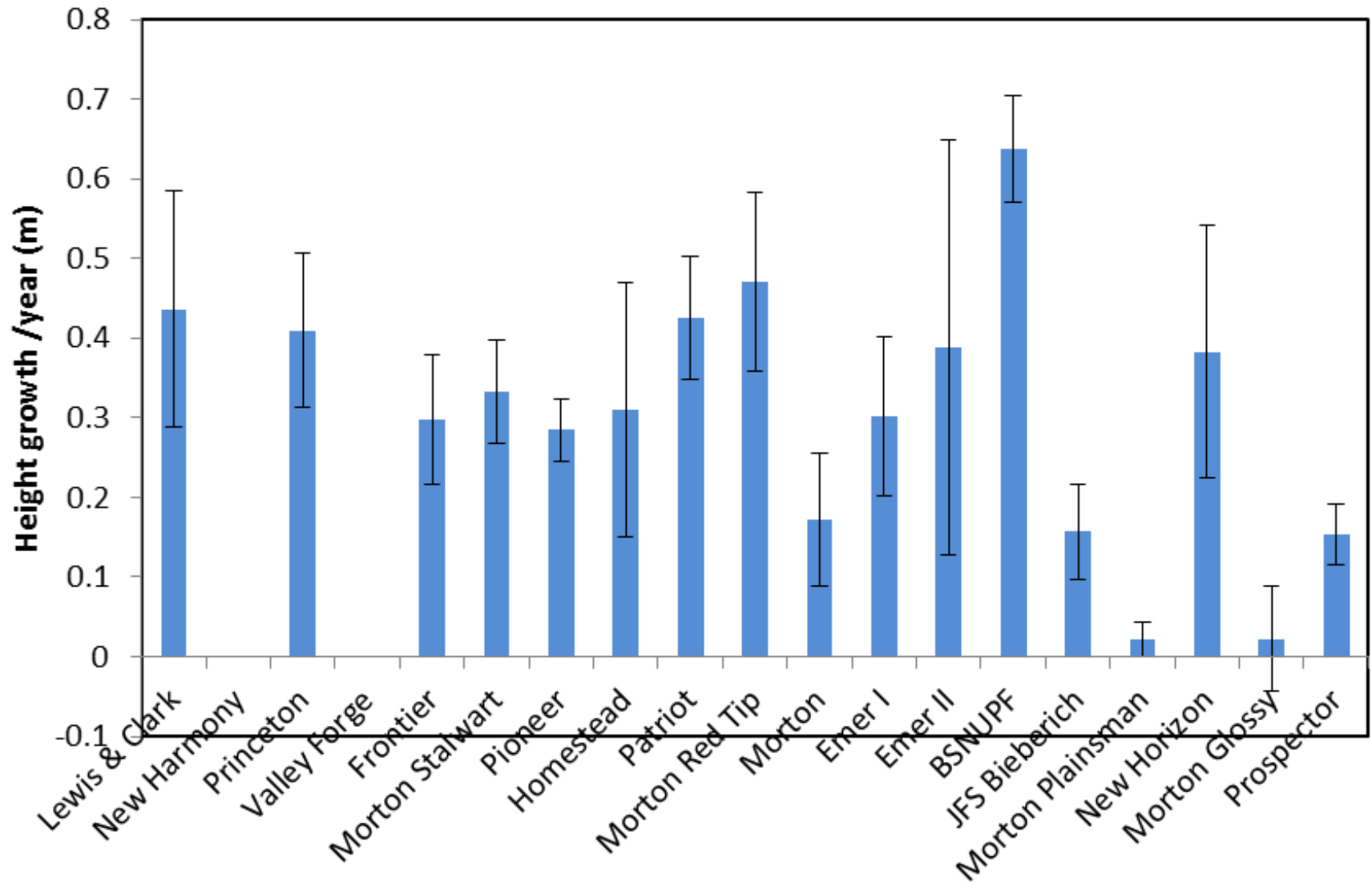
- Dr. Adam Newby, Assistant Professor
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Alabama Diameter Growth Rate/Year



Alabama Height Growth/Year



'Princeton' (*Ulmus americana*)



Date: 5/2014

Survival: 60%

Diameter at 1.4m (cm): 2.3

Height (m): 5.1

Crown Shape: Vase, Pyramid

Insects: Information 11/2014

Disease: None

'Morton' Acolade[®] (*U. japonica* X *U. wilsoniana*)



Date: 5/2014

Survival: 100%

Diameter at 1.4m (cm): 2.6

Height (m): 3.7

Crown Shape: Oval

Insects: Information 11/2014

Disease: None

'Morton Stalwart' Commendation™ (*U. carpinifolia*
X U. pumila X U. wilsoniana)



Date: 5/2014
Survival: 100%
Diameter at 1.4m (cm): 3.6
Height (m): 5.0
Shape: Vase
Insects: Information 11/2014
Disease: None

'Morton Red Tip' Danada Charm™ (*U. japonica X*
U. wilsoniana)



Date: 5/2014
Survival: 100%
Diameter at 1.4m (cm): 4.6
Height (m): 5.8
Crown Shape: Vase, Pyramid
Insects: Information 11/2014
Disease: None

'Frontier' (*Ulmus carpinifolia* X *U. parvifolia*)



Date: 5/2014

Survival: 100%

Diameter at 1.4m (cm): 3.2

Height (m): 4.5

Crown Shape: Round, Oval

Insects: Information 11/2014

Disease: None

'Homestead' (*U. glabra* X *U. carpinifolia* X *U. pumila*)



Date: 5/2014

Survival: 100%

Diameter at 1.4m (cm): 3.9

Height (m):4.9

Crown Shape: Oval

Insects: Information 11/2014

Disease: None

New Horizon (*U. pumila* X *U. japonica*)



Date: 5/2014
Survival: 80%
Diameter at 1.4m (cm): 3.5
Height (m): 4.7
Crown Shape: Vase
Insects: Information 11/2014
Disease: None

'Patriot' (*U. glabra* X *U. carpinifolia* X *U. pumila*) X *U. wilsoniana*



Date: 5/2014
Survival: 100%
Diameter at 1.4m (cm): 2.9
Height (m): 5.8
Crown Shape: Pyramid, Vase
Insects: Information 11/2014
Disease: None

'Pioneer' (*U. glabra* X *U. carpinifolia*)



Date: 5/2014
Survival: 75%
Diameter at 1.4m (cm): 3.1
Height (m): 4.5
Crown Shape: Round
Insects: Information 11/2014
Disease: None

'Prospector' (*U. wilsoniana*)



Date: 5/2014
Survival: 70%
Diameter at 1.4m (cm): 3.0
Height (m): 3.8
Crown Shape: Oval, Vase
Insects: Information 11/2014
Disease: None

'Morton Glossy' Triumph™ (*U. pumila* X *U. japonica* X *U. wilsoniana*)



Date: 5/2014
Survival: 80%
Diameter at 1.4m (cm): 2.4
Height (m): 2.9
Crown Shape: Round
Insects: Information 11/2014
Disease: None

'Morton Plainsman' Vanguard™ (*U. pumila* X *U. japonica*)



Date: 5/2014
Survival: 75%
Diameter at 1.4m (cm): 1.6
Height (m): 1.7
Crown Shape: Round
Insects: Information 11/2014
Disease: None

'Emer I Athena Classic'
Lacebark Elm (*U. parvifolia*)



Date: 5/2014
Survival: 75%
Diameter at 1.4m (cm): 3.6
Height (m): 3.6
Crown Shape: Round
Insects: Information 11/2014
Disease: None

'Everclear' Lacebark Elm (*U. parvifolia*)



Date: 5/2014
Survival: 100%
Diameter at 1.4m (cm): 3.3
Height (m): 5.6
Crown Shape: Vase, Oval
Insects: Information 11/2014
Disease: None

'Emerald Sunshine' (*Ulmus propinqua*)



Date: 5/2014

Survival: 80%

Diameter at 1.4m (cm): 2.0

Height (m): 3.8

Crown Shape: Oval

Insects: Information 11/2014

Disease: None

'Lewis and Clark' Prairie Expedition [®](*U.americana*)



Date: Fall 2013

Survival: 100%

Diameter at 1.4m (cm): 3.8

Height (m): 4.6

Crown Shape:

Insects: Information 11/2014

Disease: None

'Emer II Allee' [®] (*U. parvifolia*)



Date: 5/2014

Survival: 80%

Diameter at 1.4m (cm): 4.1

Height (m): 4.0

Crown Shape: Round

Insects: Information 11/2014

Disease: None

