National Elm Trial in Ohio- 2015

• Established: 2005- five replicates not planted for all cultivars so survival data is based on the number planted.
• Located at Indian Mound Park, 3901 Parsons Ave, City of Columbus, Ohio, 43207
• Visitors are welcome-please see attached map for cultivar locations.
• 14 cultivars in trial
• Insects and Diseases: The only insect damaged noted in 2015 was European elm flea weevil.
• Poor performing cultivars: ‘Emerald Sunshine’, ’Emer II' Allee, ‘Frontier’
National Elm Trial Contact

- Jim Gates/Arborist
- City of Columbus
- Recreation and Park, Forestry Division
- 1533 Alum Industrial Dr W
- Columbus, OH, 4309
- Phone: 614-645-8481
Ohio National Elm Trial
Ohio Site Map
‘Valley Forge’ (*Ulmus americana*)

Date: 7/2015
Survival: 100% (2/2)
Diameter at 1.4m (cm): 14.0
Height (m):
Crown shape: Vase
Insects: no major issues
Diseases: no major issues
Comments: nice vase shape, dense dark green foliage
Moderate choice for this region since we only have two trees here to observe.

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

Date: 7/2015
Survival: 100% (5/5)
Diameter at 1.4m (cm): 19.8
Height (m):
Crown shape: vase to oval
Insects: minor leaf feeding
Diseases: no major issues
Comments: good diameter and height growth, nice crown shape
Good choice for this region
**‘Frontier’ (Ulmus carpinifolia X U. parvifolia)**

Date: 7/2015  
Survival: 100% (3/3)  
Diameter at 1.4m (cm): 6.6  
Height (m):  
Crown shape: Vase, Oval  
Insects: moderate foliar insect feeding  
Diseases: no major issues  
Comments: Slow growing, thin crown, two trees are 50% dead and others are not looking good.  
Moderate recommendation for this region since we only have three trees at the site.

**‘Homestead’ (U. glabra X U. carpinifolia X U. pumila)**

Date: 7/2015  
Survival: 100% (4/4)  
Diameter at 1.4m (cm): 12.5  
Height (m):  
Crown shape: vase to oval  
Insects: 100% leaves with 40% damage from insect feeding  
Diseases: no major issues  
Comments: somewhat sparse canopy from insect damage  
Moderately suited for this region.
Patriot' (U. glabra X U. carpinifolia X U. pumila) X U. wilsoniana

- Date: 7/2015
- Survival: 100% (4/4)
- Diameter at 1.4m (cm): 16.5
- Height (m):
- Crown shape: Vase and Oval
- Insects: some scale on branches
- Diseases: no major issues
- Comments: nice form
- Good choice for region

Pioneer’ (U. glabra X U. carpinifolia)

- Date: 7/2015
- Survival: 100% (3/3)
- Diameter at 1.4m (cm): 19.8
- Height (m):
- Crown shape: vase to oval
- Insects: some minor insect feeding on leaves
- Diseases: no major issues
- Comments: good diameter and height growth
- Good choice for region
'Emer II' Allee® (*U. parvifolia*)

Date: 7/2015
Survival: only one tree
Diameter at 1.4m (cm): 11.6
Height (m):
Crown shape: vase
Insects: moderate leaf feeding
Diseases: no major issues
Comments: Not recommended for region since we only have one tree at the site.

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

Date: 7/2015
Survival: 100% (2/2)
Diameter at 1.4m (cm): 20.8
Height (m): 9.2
Crown shape: Round to vase
Insects: no major issues
Diseases: no major issues
Comments: Strong grower with uniform/upright habit Could be good choice for region but we only have two trees at this site so we cannot give a strong positive recommendation.
‘Morton Glossy’ Triumph™ (*U. pumila X U. japonica X U. wilsoniana*)

Date: 7/2015
Survival: 100% (4/4)
Diameter at 1.4m (cm): 21.3
Height (m):
Crown shape: Pyramid, Vase
Insects: minor foliar feeding
Diseases: no major issues
Comments: Tall with nice upright growth with nice leaves.
Good choice for region

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

Date: 7/2015
Survival: 100% (4/4)
Diameter at 1.4m (cm): 20.3
Height (m):
Crown shape: Vase, Pyramid,
Insects: no major issues
Diseases: no major issues
Comments: strong diameter and height growth.
Good choice for region
‘Morton’ Accolade® (*U. japonica* X *U. wilsoniana*)

- **Date**: 7/2015
- **Survival**: 100% (3/3)
- **Diameter at 1.4m (cm)**: 17.6
- **Height (m)**: 
- **Crown shape**: Vase to oval
- **Insects**: no major issues
- **Diseases**: no major issues
- **Comments**: Attractive, dark green foliage, full dense crowns
  - Might be good choice for this region but only three trees at this site.

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

- **Date**: 7/2015
- **Survival**: 100% (3/3)
- **Diameter at 1.4m (cm)**: 19.6
- **Height (m)**: 
- **Crown shape**: Vase and Pyramid
- **Insects**: no major issues
- **Diseases**: no major issues
- **Comments**: Strong grower, nice upright form, dark green/attractive foliage
  - Moderate choice for region since only three trees at this site.
‘Prospector’ (*U. wilsoniana*)

- **Date:** 7/2015
- **Survival:** 100% (4/4)
- **Diameter at 1.4m (cm):** 17.5
- **Height (m):**
- **Crown shape:** vase to pyramid
- **Insects:** some minor leaf feeding
- **Diseases:** no major issues
- **Comments:** Dense canopy with large leaves after insect defoliations
  
  *Good choice for this region*

‘Emerald Sunshine’ (*U. propinqua*)

- **Date:** 7/2015
- **Survival:** 100% (3/3)
- **Diameter at 1.4m (cm):** 9.2
- **Height (m):**
- **Crown shape:** Vase
- **Insects:** None
- **Comments:** Weak, stunted, thin canopy with ≤ 50% of the crowns dead on two trees
  
  *Not acceptable for this region*
‘Jefferson’ (*U. americana*)
These Jefferson reps were found to be the same cultivar as Princeton

No trees planted at this site

Date: 7/2015
Survival
Diameter at 1.4m (cm):
Height (m):
Crown shape:
Insects:
Diseases:
Comments:

‘Princeton’ (*U. americana*)

No trees planted at this site

Date: 7/2015
Survival
Diameter at 1.4m (cm):
Height (m):
Crown shape:
Insects:
Diseases:
Comments:
‘New Harmony’ (*U. americana*)

No trees planted at this site

Date: 7/2015
Survival
Diameter at 1.4m (cm):
Height (m):
Crown shape:
Insects:
Diseases:
Comments:

‘Lewis and Clark’ Prairie Expedition®
(*U. americana*)

No trees planted at this site

Date: 7/2015
Survival
Diameter at 1.4m (cm):
Height (m):
Crown shape:
Insects:
Diseases:
Comments:
‘Everclear’ (*U. americana*)

No trees planted at this site