National Elm Trial in New York
SUNY Cobleskill, NY

• Established in 2005
• No major insect damages to date
• No major disease damages to date
• Winter damage is primary issue with a few cultivars
• The public is welcome to view trees located just below the dairy complex
• Outstanding cultivars at this location:
  Danada Charm, Morton Accolade, Morton Glossy Triumph, Morton Stalwart Commendation, New Horizon
2015 Update

- Tallest trees:
  - Danada Charm, Morton Stalwart Commendation

- Observations:
  1. Homestead: Thin crown
  2. Vanguard: Thin crown and bacterial wetwood
  3. Pioneer: some leaf anthracnose
  4. New Horizon: nice full crown, some elm scale
  5. Frontier: not hardy!
  6. Valley Forge: aphids, big branches, Dutch elm disease
National Elm Trial
New York State Contact

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Cobbleskill, New York Planting Site Map

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‘Emerald Sunshine’ (*Ulmus propinqua*)

- Date: 2012
- Survival: 80%
- Diameter at 1.4m (cm): 7.6
- Height (m): 5.3
- Crown shape: Vase
- Crown width (m): 5.2
- European Elm Leaf Weevil: 0% crown affected
- European Elm Scale: 0% crown affected
- Disease: None

‘Emerald II Allee’ (*U. parvifolia*)

- Date: 2012
- Survival: 0%
- Diameter at 1.4m (cm): NA
- Height (m): NA
- Crown shape: NA
- Crown width (m): NA
- European Elm Leaf Weevil: 0% crown affected
- European Elm Scale: 0% crown affected
- Disease: None
‘Frontier’ *(Ulmus carpinifolia X U. parvifolia)*

- **Date:** 2012
- **Survival:** 100%
- **Diameter at 1.4m (cm):** 10.4
- **Height (m):** 6.2
- **Crown shape:** Round
- **Crown width (m):** 4.3
- **European Elm Leaf Weevil:** 0% crown affected
- **European Elm Scale:** 0% crown affected
- **Disease:** None

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

- **Date:** 2012
- **Survival:** 100%
- **Diameter at 1.4m (cm):** 11.9
- **Height (m):** 8.4
- **Crown shape:** Pyramid, Oval
- **Crown width (m):** 5.8
- **European Elm Leaf Weevil:** 0% crown affected
- **European Elm Scale:** 0% crown affected
- **Disease:** None
- **Damages:** Leaf Beetles - up to 25% crown
‘Morton Glossy’ Triumph™ (*U. pumila* X *U. japonica* X *U. wilsoniana*)

Date: 2012
Survival: 100%
Diameter at 1.4m (cm): 13.0
Height (m): 7.1
Crown shape: Oval, Round and Vase
Crown width (m): 6.0
European Elm Leaf Weevil: 0% crown affected
0% leaf affected
European Elm Scale: 0% crown affected
0% leaf affected
Disease: None

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

Date: 2012
Survival: 80%
Diameter at 1.4m (cm): 13.3
Height (m): 7.5
Crown shape: Round and Vase
Crown width (m): 7.1
European Elm Leaf Weevil: 0% crown affected
0% leaf affected
European Elm Scale: 0% crown affected
0% leaf affected
Disease: None
‘Morton Red Tip’ Danada Charm™ (U. japonica × U. wilsoniana)

Date: 2012
Survival: 100%
Diameter at 1.4m (cm): 16.7
Height (m): 8.5
Crown shape: Oval, Round and Vase
Crown width (m): 5.8
European Elm Leaf Weevil: 0% crown affected
European Elm Scale: 0% crown affected
Disease: None

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

Date: 2012
Survival: 100%
Diameter at 1.4m (cm): 5.0
Height (m): 3.9
Crown shape: Oval, Pyramid and Round
Crown width (m): 2.0
European Elm Leaf Weevil: 72% crown affected
European Elm Scale: 0% crown affected
Disease: None
‘Morton’ Acolade ® (U. japonica X U. wilsoniana)

Date: 2012
Survival: 100%
Diameter at 1.4m (cm): 13.9
Height (m): 7.1
Crown shape: Round and Vase
Crown width (m): 6.6
European Elm Leaf Weevil: 0% crown affected
0% leaf affected
European Elm Scale: 0% crown affected
0% leaf affected
Disease: None

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

Date: 2012
Survival: 80%
Diameter at 1.4m (cm): 14.3
Height (m): 7.7
Crown shape: Oval and Vase
Crown width (m): 5.1
European Elm Leaf Weevil: 0% crown affected
0% leaf affected
European Elm Scale: 0% crown affected
0% leaf affected
Disease: None
‘Patriot’ (*U. glabra* X *U. carpinifolia* X *U. pumila*) X *U. wilsoniana*

- Date: 2012
- Survival: 100%
- Diameter at 1.4m (cm): 15.1
- Height (m): 9.0
- Crown shape: Oval, Pyramid and Round
- Crown width (m): 7.4
- European Elm Leaf Weevil: 0% crown affected
  0% leaf affected
- European Elm Scale: 0% crown affected
  0% leaf affected
- Disease: None

‘Pioneer’ (*U. glabra* X *U. carpinifolia*)

- Date: 2012
- Survival: 100%
- Diameter at 1.4m (cm): 11.5
- Height (m): 7
- Crown shape: Round and Oval
- Crown width (m): 5.4
- European Elm Leaf Weevil: 0% crown affected
  0% leaf affected
- European Elm Scale: 0% crown affected
  0% leaf affected
- Disease: None
‘Prospector’ (*U. wilsoniana*)

- Date: 2012
- Survival: 80%
- Diameter at 1.4m (cm): 12.2
- Height (m): 6.5
- Crown shape: Oval
- Crown width (m): 6.6
- European Elm Leaf Weevil: 0% crown affected
- European Elm Scale: 0% crown affected
- Disease: None

‘Valley Forge’ (*U. americana*)

- Date: 2012
- Survival: 60%
- Diameter at 1.4m (cm): 11.7
- Height (m): 4.9
- Crown shape: Round and Vase
- Crown width (m): 4.6
- European Elm Leaf Weevil: 0% crown affected
- European Elm Scale: 0% crown affected
- Disease: None
Damages

Frontier-Anthracnose

Homestead-Anthracnose

Pioneer-Anthracnose

Morton Glossy Triumph- Leaf Insect Blister
Trial Area
Suspected Dutch elm disease symptoms on one Valley Forge tree- summer of 2014. This tree had broken branches probably from snow load and possibly attracted beetle vectors.
Frontier with winter dieback

New Horizon with minor amount of fungal leaf spots

Trial in summer 2014
2015: Rated 3
Emerald Sunshine
Thin Crown, Stunted, few secondary branches

2015: Rated 5
Danada Charm
Clean, upright, nice foliage
Heavy sapsucker damage
2015: Rated 4
Prospector
Nice tree, new foliage yellow green, some interior dieback

2015: Rated 1
Homestead
Heavy seed set, thin crown with few small leaves
2015 Rated 5
Morton Accolade
Full crown, wide and glossy leaves

2015 Rated 5
Morton Glossy Triumph
Nice crown, upright form and dark glossy leaves
2015 Rated 5
Morton Stalwart Commendation
Nice tree, wide crown, full
Old branches hand down and new upper branches upright

2015 Rated 4
Patriot
Good tree, large, loose open crown
Some interior twig dieback
New growth yellow green
2015 Rated 3.5
Pioneer
Ok tree, lots of seeds, upright, new growth good, open crown

2015 Rated 4.5
Morton Plainsman Vanguard
Nice tree, wide upright crown, medium luster leaves, some seeds
2015 Rated 1
Frontier
Severe winter damage, Decent fall color - purple

2015 Rated 2
Valley Forge
Crooked young growth, evidence of storm breakage and Dutch elm disease
2015 Rated 4
Prairie Expedition
Nice tree, top heavy grower