

Video Series for Pruning and Training Dwarf Cherry Trees



RUTGERS
New Jersey Agricultural
Experiment Station

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Oregon State
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**UMASS
AMHERST**



Giselacherry.com is a collaborative
project of:

Greg Lang, Profess of Horticulture-
Michigan State University

Lynn Long, Extension Educator, Oregon
State University

Win Cowgill, Professor and Area Fruit
Agent-Rutgers, the State University

Jon Clements, Extension Educator-
University of Massachusetts Amherst

Gisela, Inc.- Wally Heuser and
Wanda Gale Heuser

Who We Are



Jon Clements, UMASS aka Mr. Liberty

www.virtualorchard.net



...we are the
Virtual Orchard
guys.



Dr. Greg Lang



Lynn Long



History of Project

- Began in 2005 at an IFTA meeting
- Began discussion on how to teach tree PRUNING/training on new dwarfing stocks to growers
- Outlined a plan: Win, Greg and Jon
- Wrote a proposal to IDFTA Research Fund and was turned down.
- Began filming at winter IFTA meeting in Michigan anyway



History Continued

- Continued filming at IFTA summer cherry tour in Oregon with Lynn Long
- Wrote a proposal to Gisela, INC.- Wally Heuser
- Made a Presentation to Wally and Wanda Heuser at the Michigan Hort Show, Dec. 2009
- Began rolling more film December, 2009 in Michigan- at the Southwest Michigan Station and at the Joe Klein Farm, Kent City, MI
- March 2009 Gisela accepted proposal
- Jon Clements assembled and posted 14 video clips from 2-8 minutes in length



2012 to date Efforts

February 2012 – Pre IFTA filming to Chile
hosted by Dr. Marlene Ayala-(summer)



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More 2012

March 2012- 3 day filming trip to Michigan- MSU Clarksville Station and 2 on grower meetings and MSU Northwest Michigan Horticultural Research Center- sponsored by Gissla, Inc. – Hosted my MSU Horticultural Agents



Gisela® cherry rootstocks

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giselacherry.com and video are a collaborative project of Win Cowgill (Rutgers Cooperative Extension), Lynn Long (Oregon State University), Jon Clements (UMass Extension) and Greg Lang (Michigan State University; and Gisela, Inc.

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Worldwide Choice - Gisela® Rootstocks

- Virus tolerant
- Precocious, Productive and Very Hardy
- Wide Soil Adaptability

Cherries grown on Gisela® dwarfing rootstocks are highly precocious, highly productive, and highly profitable! But, growing cherries on Gisela successfully requires attention to detail and specific horticultural skills. The goal of this website is to help you succeed in growing an orchard of cherry trees on Gisela rootstocks.



Gisela cherry rootstocks

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Cherry trees grown on on Gisela rootstocks are highly precocious, highly productive, highly profitable!

About

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- Win Cowgill, Rutgers Univeristy
- Jon Clements, University of Massachussts Amherst

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Cherry trees grown on on Gisela rootstocks are highly productive, highly profitable!

Links

Four Simple Steps top Pruning Cherry Trees on Gisela and Other Pr

Cherry Training Systems: Selection and Development (PNW 543)

OSU Extension Service Wasco County -- Lynn E. Long

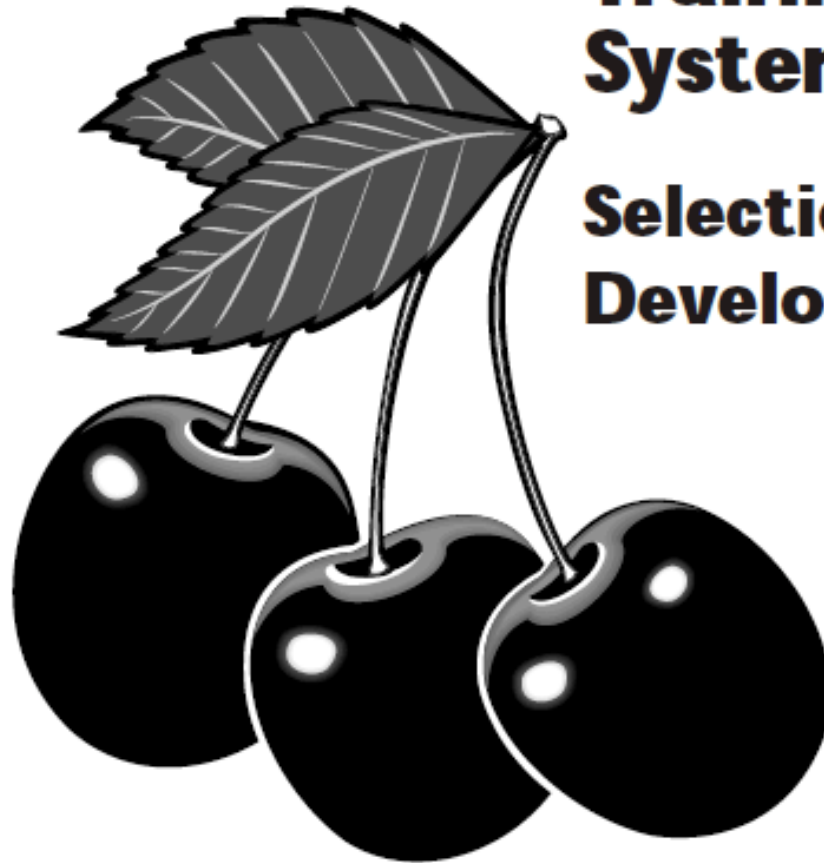
Great cherries in Michigan and beyond (cherries.msu.edu)

Dr. Gregory Lang, Professor, MSU Horticulture

Washington State University SCRI Sweet Cherry Research on Faceb

Cherry Training Systems:

Selection and Development



Four Simple Steps to Pruning Cherry Trees on Gisela and Other Productive Rootstocks

L.E. Long

Pruning and training trees on productive rootstocks, such as Gisela® 6 or 12, requires techniques that are completely counter to pruning trees on Mazzard rootstock. When producing cherries on Mazzard rootstock, orchardists must constantly think about how to encourage precocity and productivity in the tree, whereas when producing cherries on productive rootstocks, they must focus on reducing crop load and increasing vigor.



Corinne Daman

Tree vigor is important because more leaves mean more carbohydrate production and larger cherries. The production of high-quality cherries requires a gross canopy leaf area-to-fruit (LA:F) ratio of at least 200 cm² of leaf area per fruit, which roughly translates to five leaves per fruit (Whiting and Lang, 2004). Trees with a lower LA:F ratio are unable to manufacture enough carbohydrates to produce premium cherries.

Pruning strategies for trees on productive rootstocks should focus on the following:

- Thinning cuts to remove pendant (downward-hanging) and weak wood and to improve light penetration into the tree
- Stub cuts to reduce crop load and renew spurs
- Heading cuts to encourage branching (leaf

Also reduce branches in the top of the tree and on the perimeter to a single shoot.

These thinning cuts will allow light to reach the inner and lower portions of the tree. Only leaves in full sunlight can photosynthesize at maximum capacity.

Stub cuts

The current season's crop can be reduced by heading with stub cuts. Stub cuts also replace branches and renew old spurs.

The highest quality cherries grow at the base of last year's growth and on young spurs. Therefore, no spur should be older than 5 years old. To keep spurs within this age range, stub back and renew 20 percent of all fruiting branches each year.

Adequate light must reach the area around the cut in order for a new branch to form. For this

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Contact

If you are an Oregon grower, contact **Lynn Long**.

If you are a Michigan grower, contact **Greg Lang**.

If you are a western New York grower, contact Terence Robinson.

If you are an eastern NewYork grower, contact Steve Hoying.

If you are a Washington grower, contact Matt Whiting.

If you are a New Jersey grower, contact **Win Cowgill**.

If you are a New England grower, contact **Jon Clements**.

All others (including international) contact **Summit Tree Sales**.

You Tube



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Growing the Upright Fruiting Offshoot (UFO)

giselacherry 58 views 1 week ago

A discussion on growing the Upright Fruiting Offshoot (UFO) sweet cherry tree on Gisela rootstock. 28-March, 2012. At Williams Orchards, Cedar, MI. Thanks to Greg Williams,...

12:03



Pruning the Mature Cherry Tree on Gisela F

giselacherry 117 views 1 week ago

Pruning the Mature Cherry Tree on Gisela Rootstock. At Klenk Orchards, Sparta, MI. 27-March, 2012. Thanks to Rodney Klenk, Klenk Orchards and Phil Schwaller and Amy

10:15



Growing & pruning Super Slender Axe (SS)

giselacherry 153 views 2 weeks ago

Growing and pruning young Super Slender Axe (SSA) cherry trees on Gisela rootstock. At Klenk Orchards, Sparta, MI. 27-March, 2012. Thanks to Rodney Klenk, Klenk Orchards

9:09



Pruning young spindle Gisela cherry trees

giselacherry 137 views 2 weeks ago

About Pruning Cherry Trees on Gisela Rootstocks

A collaborative project of Greg Lang, Michigan State University; Lynn Long, Oregon State University; Win Cowgill, Rutgers University; and Jon Clements, University of Massachusetts Amherst.

Gisela Cherry website

by giselacherry

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Gisela cherry rootstocks: pruning step 1
by [giselacherry](#) • 3 years ago • 16,396 views
Lynn Long, Oregon State University Extension explains step 1 – stubbing cuts – in pruning dwarf [Gisela](#) rootstock [cherry](#) ...




7:29

Gisela Cherry rootstocks: Greg Lang 2
by [giselacherry](#) • 3 years ago • 2,500 views
Greg Lang, Michigan State University, talks about dwarf [cherry](#) nursery trees on [Gisela](#) rootstocks and how to prune and train ...




3:20

Pruning Gisela cherry -- steps 1 and 2
by [giselacherry](#) • 2 years ago • 3,736 views
Lynn Long, Oregon State University, explains pruning steps 1 & 2 for [Gisela](#) rootstock [cherry](#) trees. At the Joe Klein Orchard ...




8:18

Gisela Cherry rootstocks: Greg Lang 3
by [giselacherry](#) • 3 years ago • 2,445 views
Greg Lang, Michigan State University, talks about dwarf [cherry](#) nursery trees on [Gisela](#) rootstocks and how to prune and train ...



3:54

Pruning Cherry Trees on Gisela Rootstocks
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Video

Some videos require **QuickTime** installed on your computer to watch the videos. Video can be watched in any order, however, it is recommended you watch the video in the order presented here by Series. You can also watch/subscribe to the **Gisela Cherry YouTube channel**.

[Jump to March 26, 2012 Michigan videos \(Clarksville, pruning the UFO, KGB, SSA, and TSA\)](#)

[Jump to March 26, 2012 Michigan video \(Fruit Acres, pruning mature Gisela cherry trees\)](#)

[Jump to March 27, 2012 Michigan videos \(Klenk Orchards, growing and pruning SSA; pruning young spindle and leader bud removal; step-by-step process to prune mature tree\)](#)

Series I -- Southwest Michigan Research & Extension Center, Benton Harbor, MI. December 2008.

Lynn Long-intro

In this video, Lynn Long, Oregon State University Extension introduces the dwarf sweet cherry tree structure on Gisela rootstock. 3 minutes 20 seconds.

Greg Lang-intro

In this video, Greg Lang, Michigan State University expounds upon the dwarf sweet cherry tree structure as introduced by Lynn Long. 4 minutes 40 seconds.

Greg Lang - nursery trees (part 1)

In this video, Greg Lang, Michigan State University, talks about dwarf cherry nursery trees on Gisela rootstocks and how to prune and train them 1st leaf in the orchard. Part 1. 3 minutes 20 seconds.

What's coming next? – Chile Video







Coming Soon

- Pruning and Training Cherries in Chile
- Summer vs all other clips in winter

- 2012 clips tracking the NC140 sweet cherry System trial in NY –with Cornell’s Steve Hoying
 - Monthly clips from April- Dormant
 - Translations of Audio to Spanish
 - Enhancements of web interface

How fast and how comprehensive will depend on future funding

Websites

<http://www.GiselaCherry.com>

They are also available at

<http://www.youtube.com/>

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