



New Dried Plum Cultivars

**Research Supported by the California
Dried Plum Board and UC Davis**

**Ted DeJong , Carolyn DeBuse,
and Sarah Bradley**

Contact: cjdebuse@ucdavis.edu

New Dried Plums

Sutter



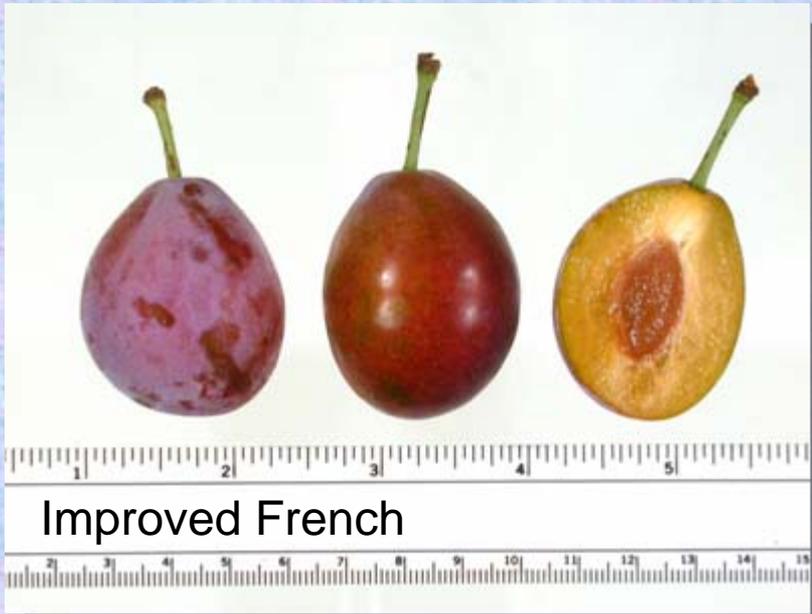
Muir Beauty



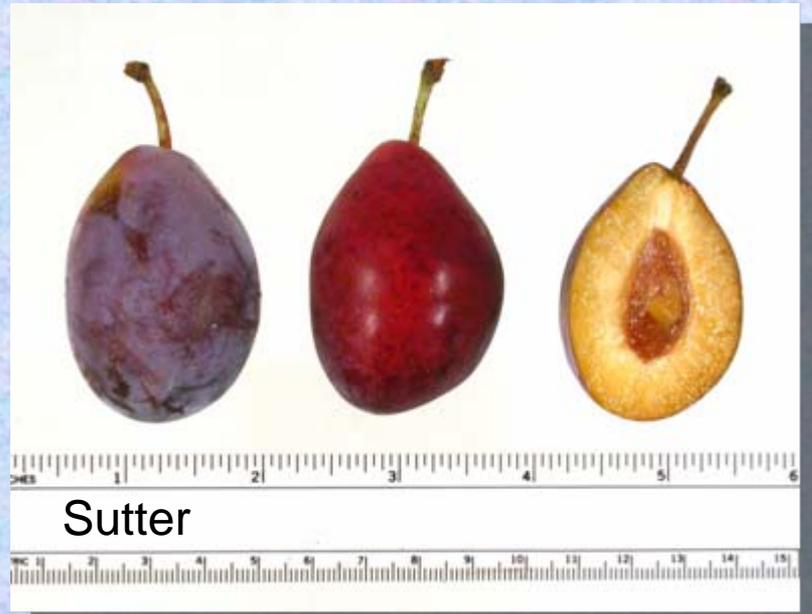
Fresh Market Sweet Plum

Tulare Giant





Improved French



Sutter



Muir Beauty

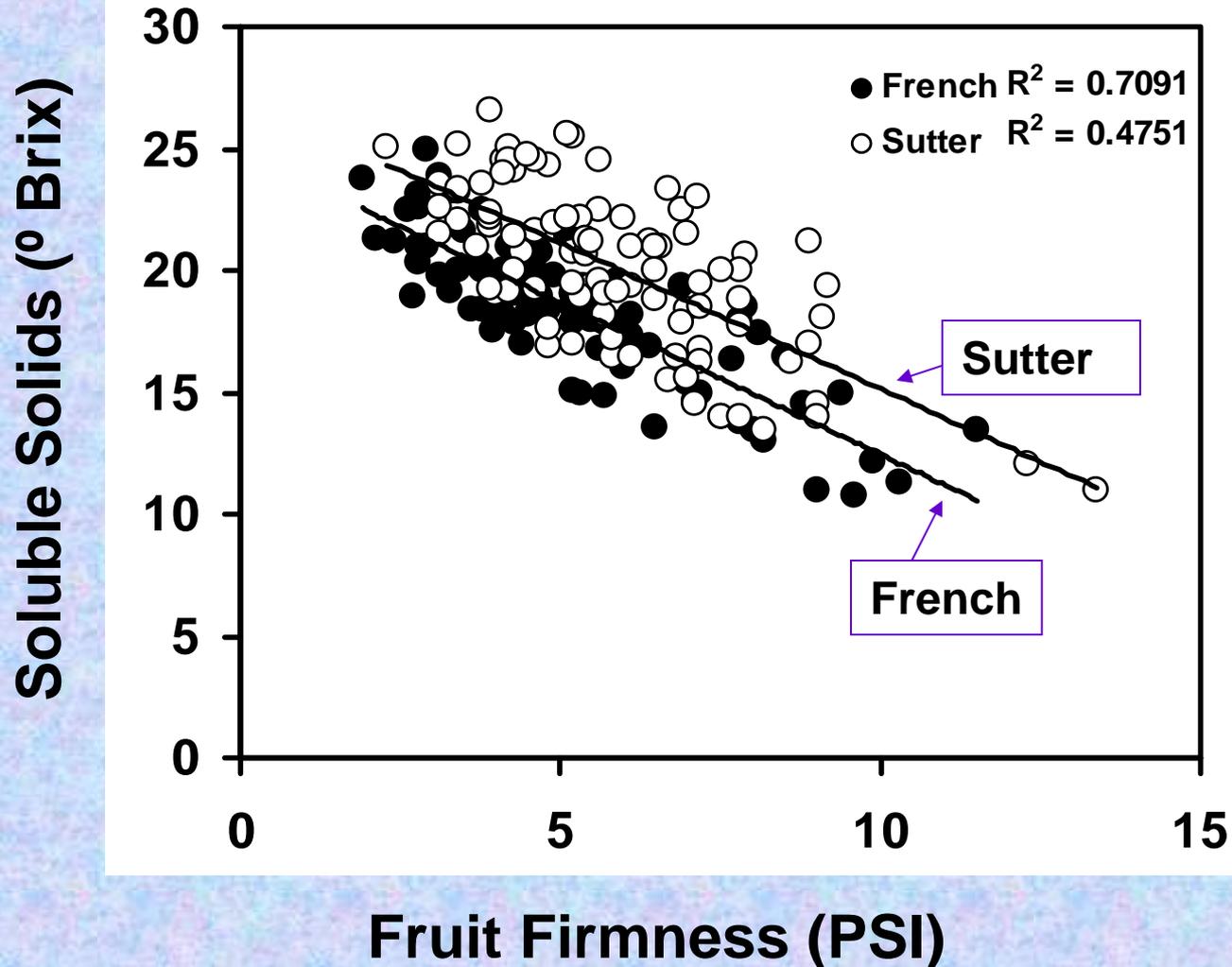


Tulare Giant

Fruit Quality

	Improved French	Sutter	Muir Beauty	Tulare Giant
Harvest dates	mid-August	7-10 days before French	10-15 days before French	early of July
Fruit Soluble Solids	20-25°Brix	21-28°Brix	20-24°Brix	18-23°Brix
Fresh Fruit weight	20-26 grams	24-30 grams	28-43 grams	43-60 grams
Cracking	some years tip and stem	less than French	some years slight stem	some tip cracking
Russet Scab	susceptible	susceptible	slight	none

Comparison of French and Sutter showing the relationship between Fruit Firmness and Soluble Solids at Kearney over many years





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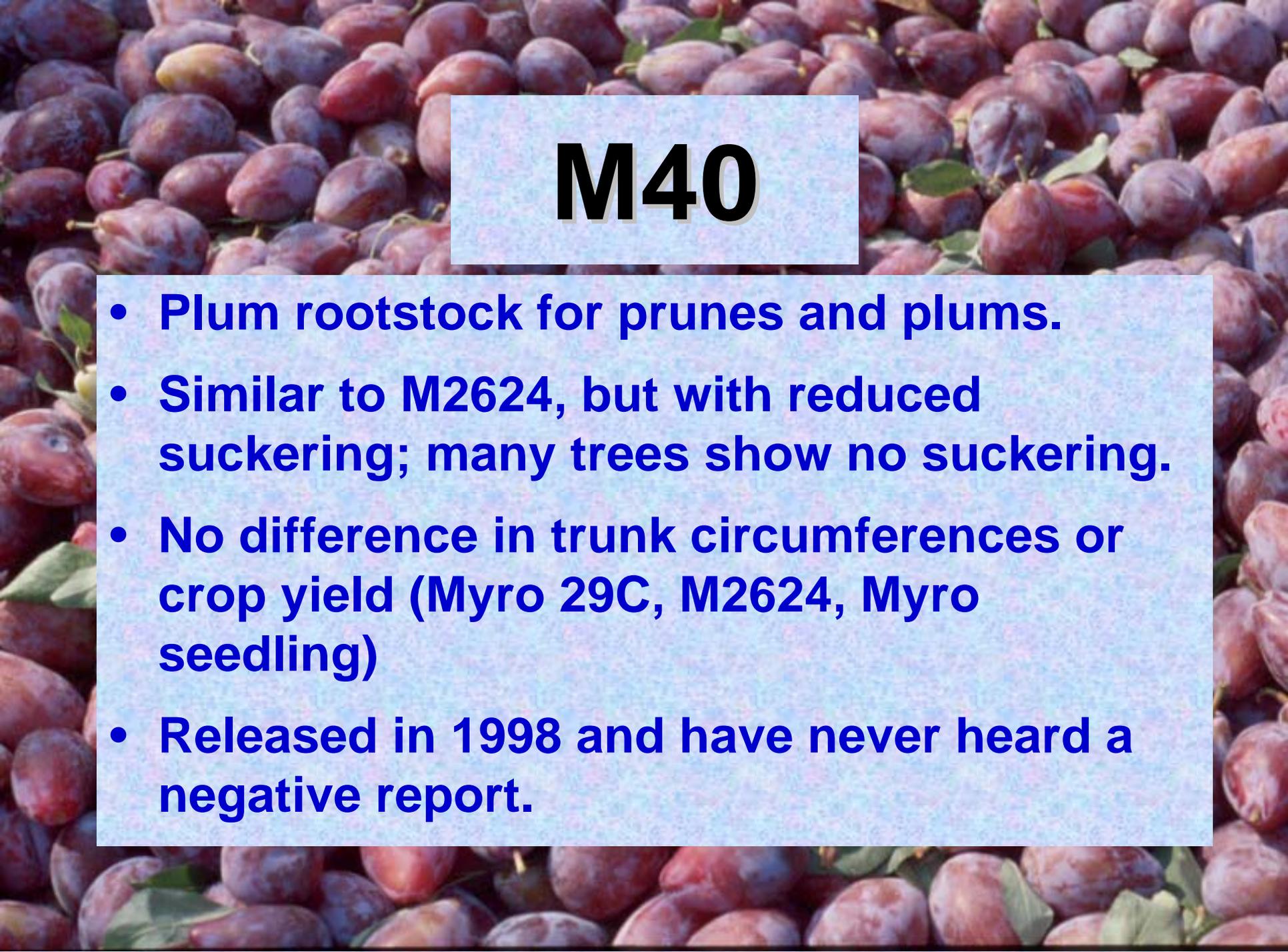


Rootstocks

French	Sutter	Muir Beauty	Tulare Giant
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M2624	M2624	M2624	M2624
Myro Seed	Myro Seed	Myro Seed	Myro Seed
Myro 29C	Myro 29C	Myro 29C	Myro 29C
M40	M40	M40	M40
Peach		Peach	

Note: Hybrid rootstocks are not recommended for our programs prune because they have not been tested and may contain Peach.
Viking and Citation are not compatible with Sutter.



M40

- **Plum rootstock for prunes and plums.**
- **Similar to M2624, but with reduced suckering; many trees show no suckering.**
- **No difference in trunk circumferences or crop yield (Myro 29C, M2624, Myro seedling)**
- **Released in 1998 and have never heard a negative report.**

Fruit Thinning

Muir Beauty



Tulare Giant



Bloom Characteristics

- Pollination requirements
- Time of bloom
- Sensitivity to heat at bloom

Pollination requirements

Self Pollinating

Improved French

Sutter

Muir Beauty

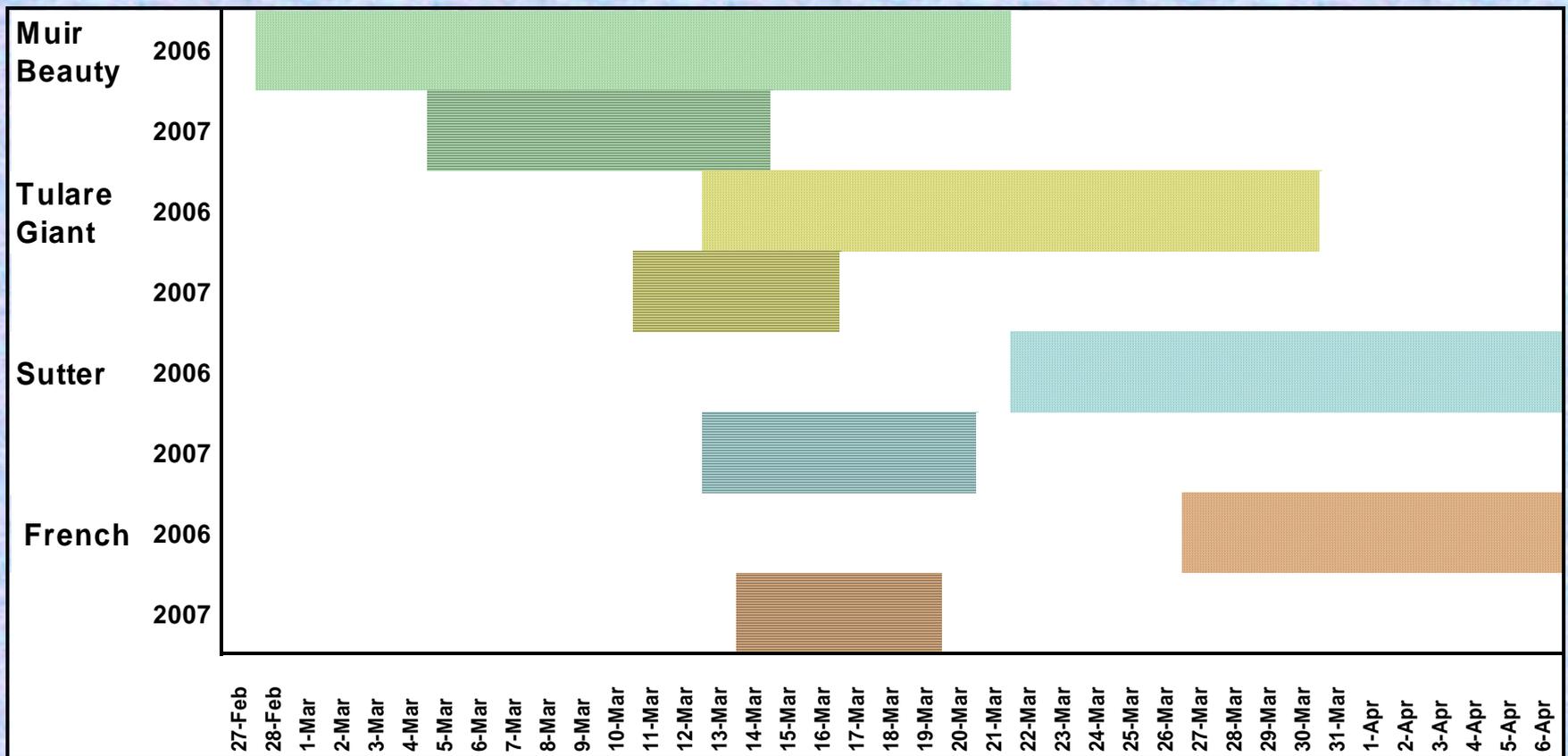
NOT Self Pollinating

Tulare Giant

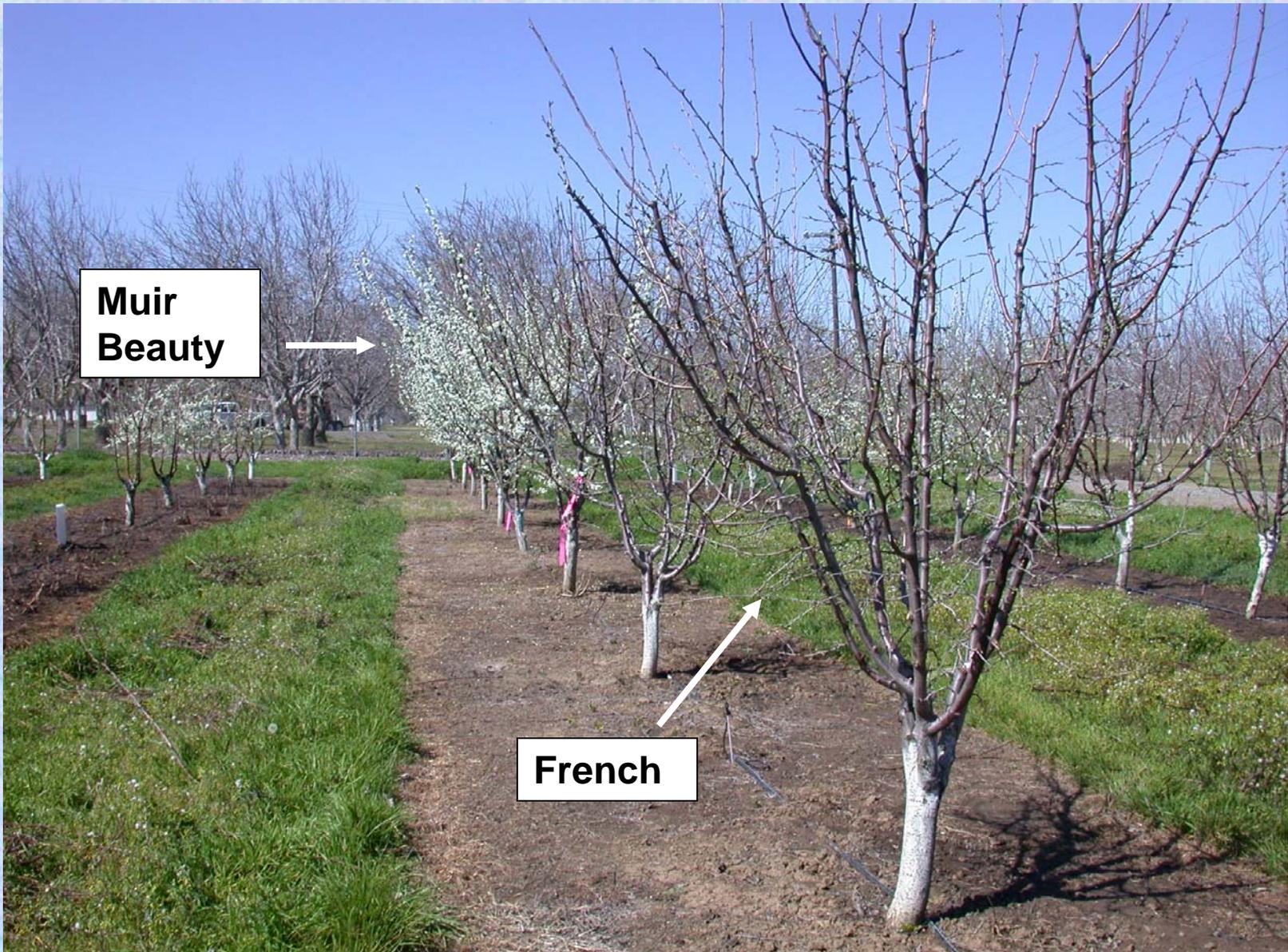
Pollinizer =Muir Beauty

Timing of Bloom

Table of 2006 and 2007 bloom dates of present cultivars



Wolfskill Research station, Winter, CA



**Muir
Beauty**



French



Sensitivity to Heat at Bloom

Higher Temperatures Lower Fruit set

**Improved French
Sutter**

Unknown affect

**Muir Beauty
Tulare Giant**



Harvest Discussion

Sutter

- Pitting trials went well
- Working out maturity standards

Muir Beauty

- Pitting trials went well
- No large scale harvest yet

Tulare Giant

- Pressures should be 7-9 PSI sugars >18°Brix



**Getting Involved with new
varieties and the breeding
program**

**The Dried Plum/Prune
Testing Group**

Dried Plum/Prune Testing Group



Inclusion of all interested growers, processors, farm advisors and researchers



Contact Carolyn at cjdebuse@ucdavis.edu



F13N- 24

- **French x 6-22-51**
- **Bloom Date averages -7.8 days before French (range of -13 to 0 days)**
- **“Similar to French”**



**Thank You
Questions?**

Compton 2008pruneday1.ppt