

Cultivar tolerance to high pH soil

- Sensitive cultivars: Allstar, Chandler and Darselect
- · Tolerant cultivars: Wendy, Brunswick, Cavendish, Jewel and Honeoye.
- Mesabi has June yellow in the planting year and later the leaf color was acceptable after FeEDDHA treatment.
- * Cultivar recommendation/selection is not only based on leaf color.

Challenges of strawberry production in NM

- High pH soil- FeEDDHA application
- Late frosts
- · Winter damage



Frost Protection





Challenges of strawberry production in NM

- High pH soil- FeEDDHA application
- Late frosts- Overhead sprinkler and plants do have some compensation mechanism for frost damage.
- · Winter damage





Winter hardiness

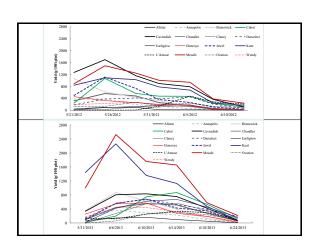
- Winter hardy cultivars: Kent, Mesabi, Cavendish, Honeoye, Brunswick and Cabot
- Winter tender cultivars: Wendy, Chandler, Clancy and Jewel

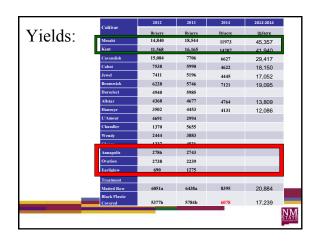
NM STATE

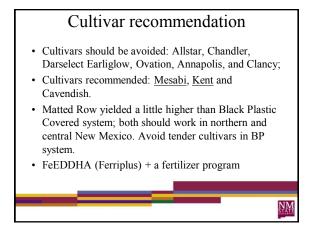
Challenges of strawberry production in NM

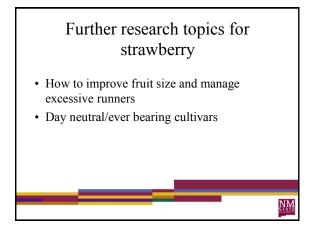
- High pH soil- FeEDDHA application
- Late frosts- Overhead sprinkler and plants do have some compensation mechanism for frost damage.
- Winter damage: cultivar selection

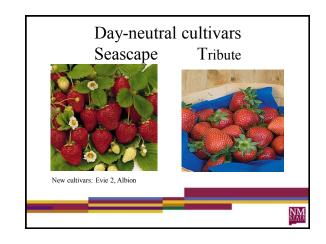




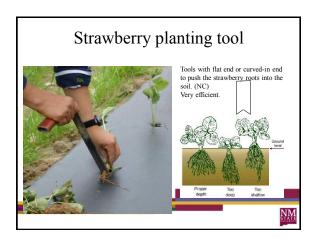


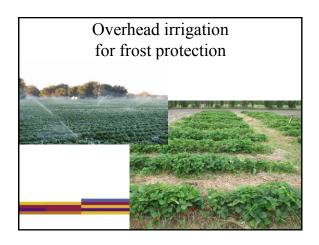


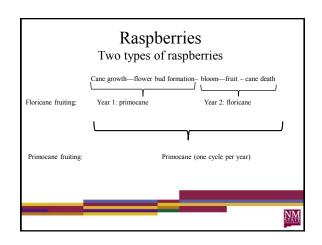




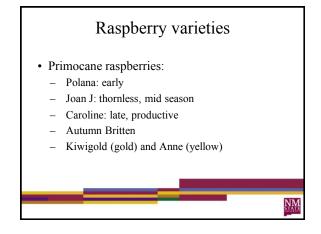


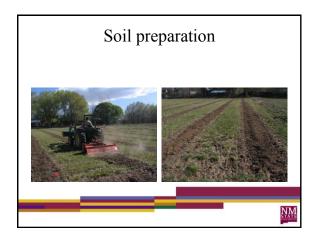


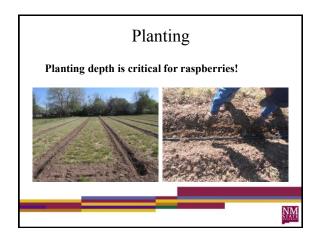


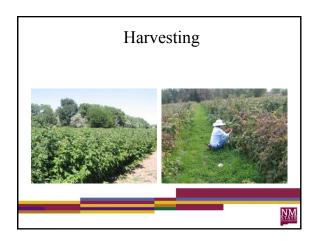


Floricane and Primocane Raspberries Floricane fruiting type Primocane fruiting type · Two-year cycle · One year cycle First year primocanes do not · First year primocanes flower produce flowers and fruit and produce fruits The second year floricanes · Fall raspberries, late in produce flowers and fruits Prune out the fruited · Prune all primocanes to the floricanes ONLY. ground

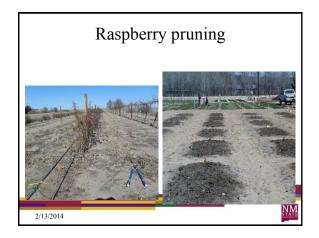




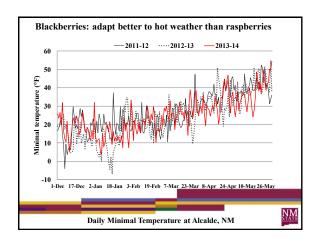


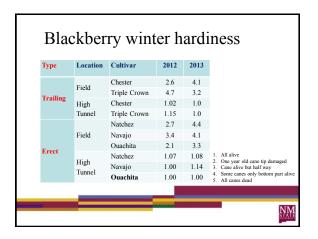


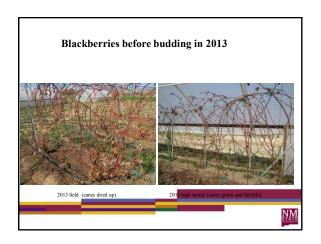


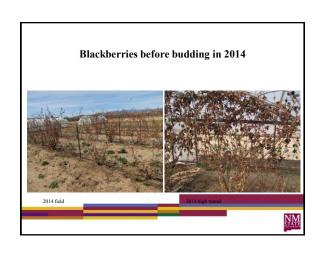


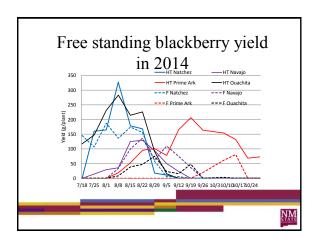
Blackberry trial both in high tunnel and field • Planted in 2011 • Cultivars: - Semi-trailing: Triple Crown and Chester - Free standing: Nachetz, Ouachita, and Navajo - Fall blackberry: Prime Ark 45. • Planting density: - Free standing: 2 x 5.5 ft - Semi-trailing: 5 x 8.5 ft

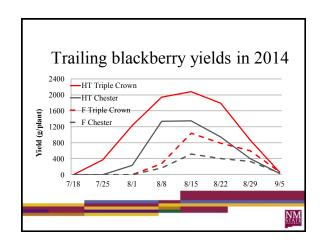


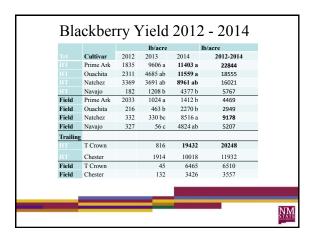


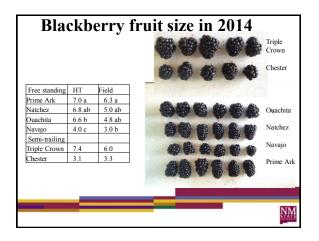


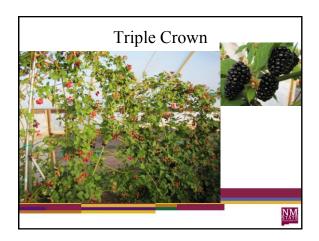


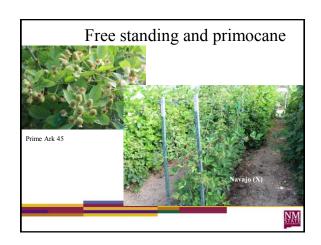








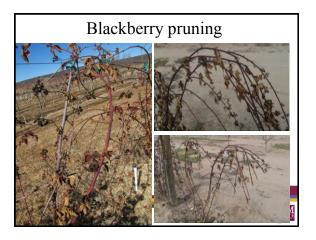


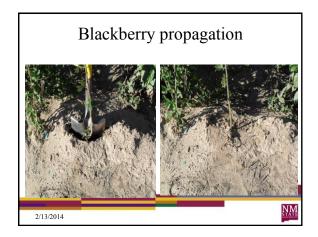


Blackberry trial summary

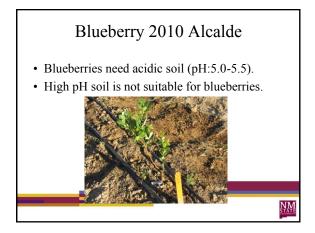
- Floricane blackberry is still risky in northern New Mexico.
- Select a protective area for your blackberries.
- If minimal temperature drops to 0°F, winter damage could occur.
- Primocane cultivar Prime Ark 45 has big fruit and reliable crops in high tunnels.
- Blackberries produced higher yield in high tunnels than in the field.
- High tunnel also extended fruit harvest season especially for primocane cultivars.
- Triple Crown produced twice the yield of Chester both in the field
- Navajo was sensitive to high pH soil. Ouachita produced more fruit in high tunnel than Natchez while Natchez had higher yield than Ouachita in the field.

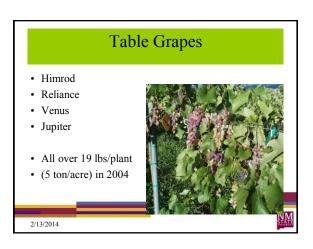


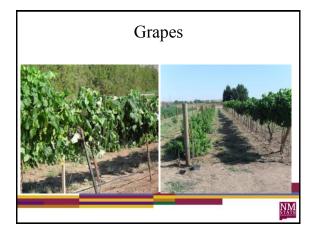


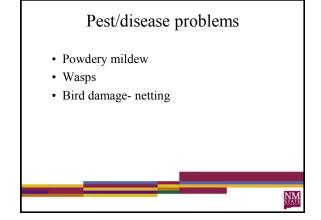










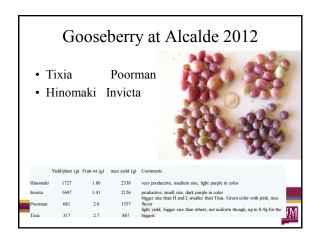


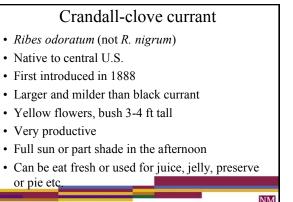
Gooseberry and currant

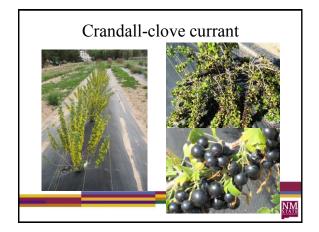
- From our demonstration plot, gooseberry performed better than currant.
- Gooseberry has better plants and produce higher yield than currants.
- Black currant 'Crandall' was a good performer at Alcalde with very heavy crop.
- Red and white currants: juice and jelly? fresh eating
- Gooseberry: fresh eating, pie, jelly?



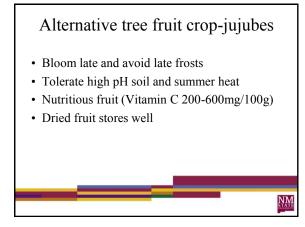


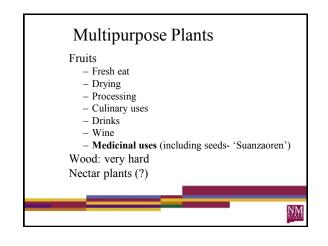










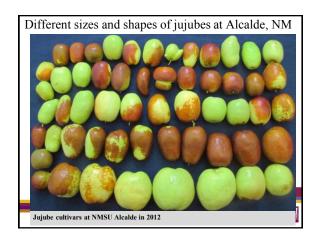


Adaptability

- Wide adaptability to soil and weather conditions
- Late season startup—leaf out in late April or May at Alcalde
- · Heat and drought tolerance
- · Precocious, reliable crop, and long-lived plants
- Varied tree shapes, fruit shapes and sizes
- Winter hardy in NM (-20°F?)
- NO insect and disease problems (so far)

Avoid late cultivars in northern NM and high elevations.



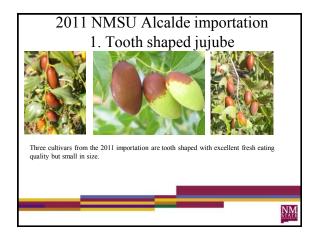


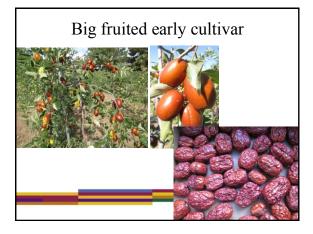
When to harvest the fruit?

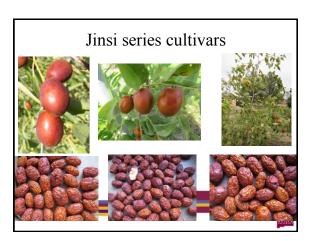
Green fruit→creamy in color (white mature stage) → half creamy/half red in color (half red stage) → fully red in color (fully red stage) →

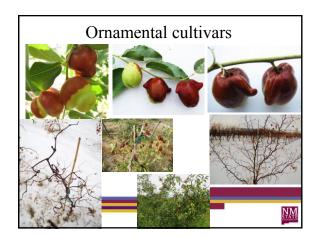


















References

NMSU Cooperative Extension Publications

- H310: Fruits and Nuts for New Mexico Orchards aces.nmsu.edu/pubs/_h/H310.pdf
- H324: Home Garden Strawberry Production in New Mexico aces.nmsu.edu/pubs/_h/H324.pdf
- H330: Jujube: Chinese Date in New Mexico aces.nmsu.edu/pubs/_h/H330.pdf
- H333: Training Young Apple Trees to the Central Leader System aces.nmsu.edu/pubs/_h/H333.pdf
- H335: Jujube (Ziziphus jujuba) Grafting aces.nmsu.edu/pubs/_h/H335.pdf

