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Pecan Cultivars for Oklahoma

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Planting or grafting cultivars

Things to think about selecting the right cultivars

- Where are you **located**?
- What is the **site** like?
- What is your **goal** of these trees?
- How much **management** are you planning to do with these trees?
- Are you planning to **irrigate** the trees long term?

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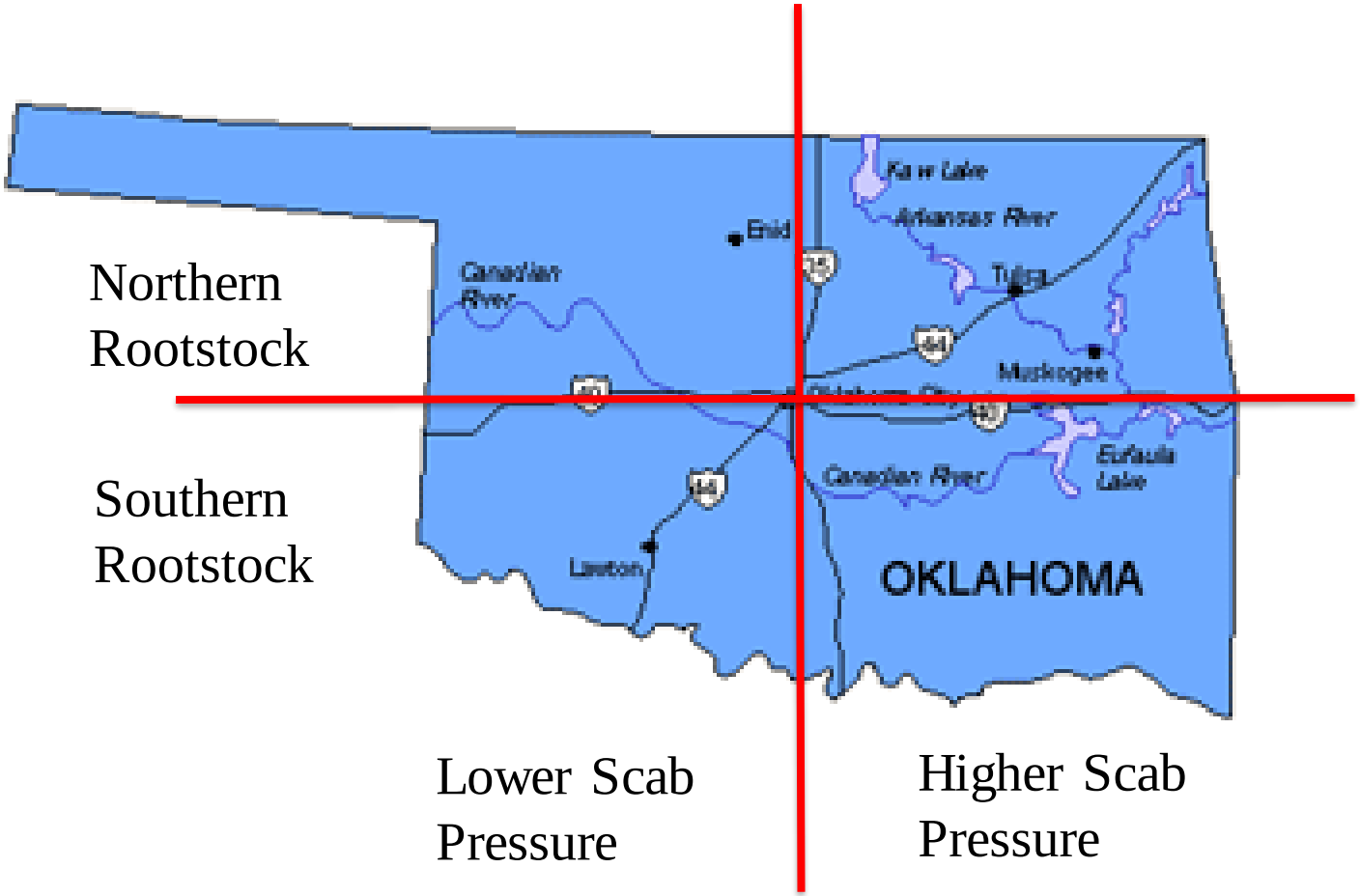
Northern Rootstock
Southern Rootstock
Lower Scab Pressure
Higher Scab Pressure
Enid
Canadian River
Arkansas River
Tulsa
Muskogee
Canadian River
Eufaula Lake
Lawton
OKLAHOMA

Rootstock

Northern

- **Giles**
- **Peruque**
- **Colby**
- **Kanza**
- **Native**

Southern

- **Apache**
- **Burkett**
- **VC1-68**
- **Elliott**
- **Curtis**
- **Native**

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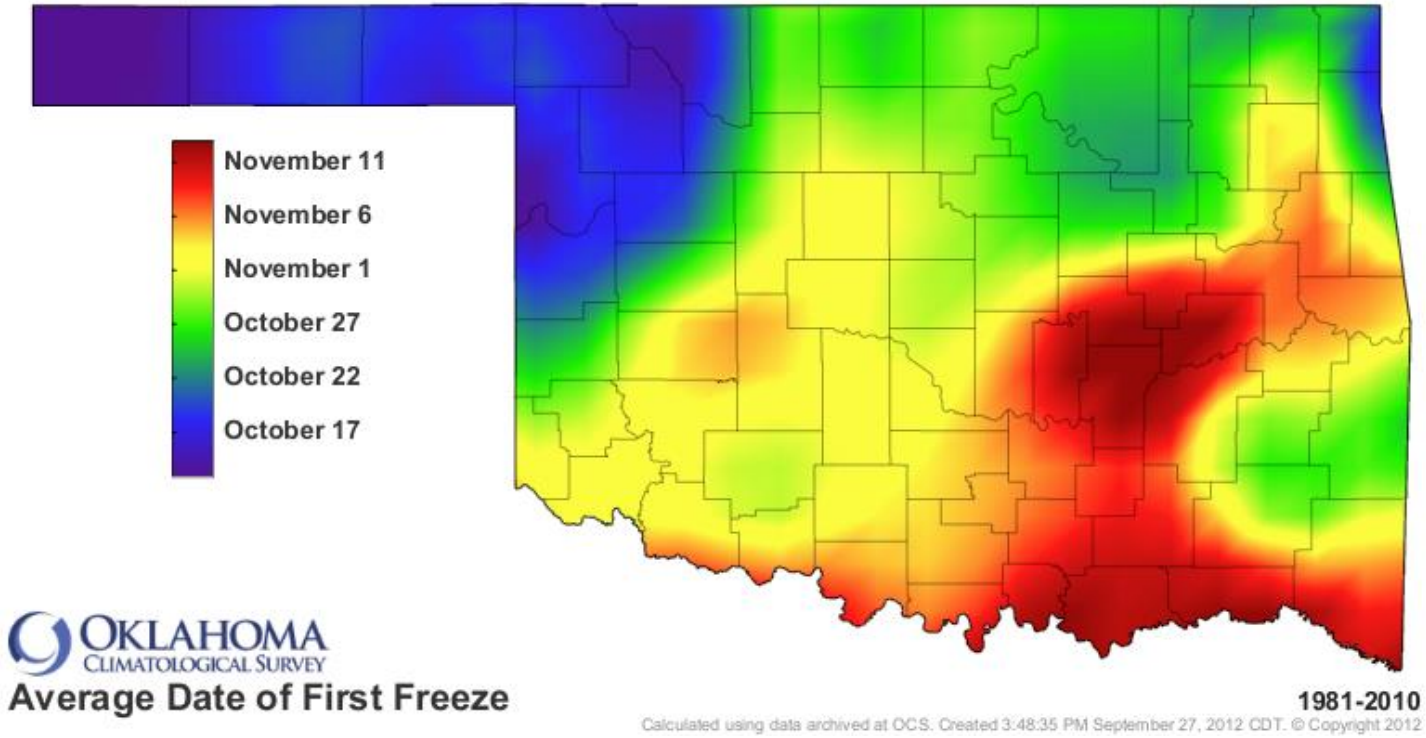
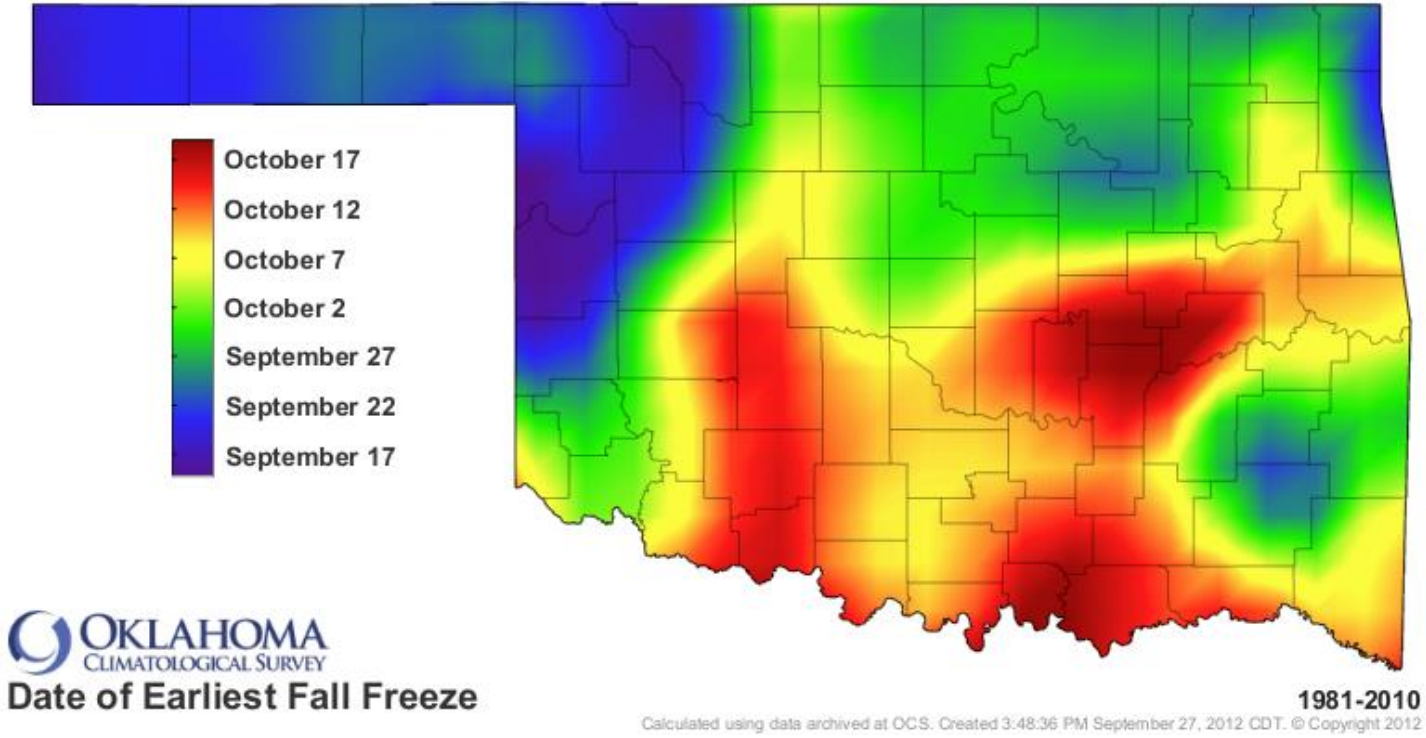
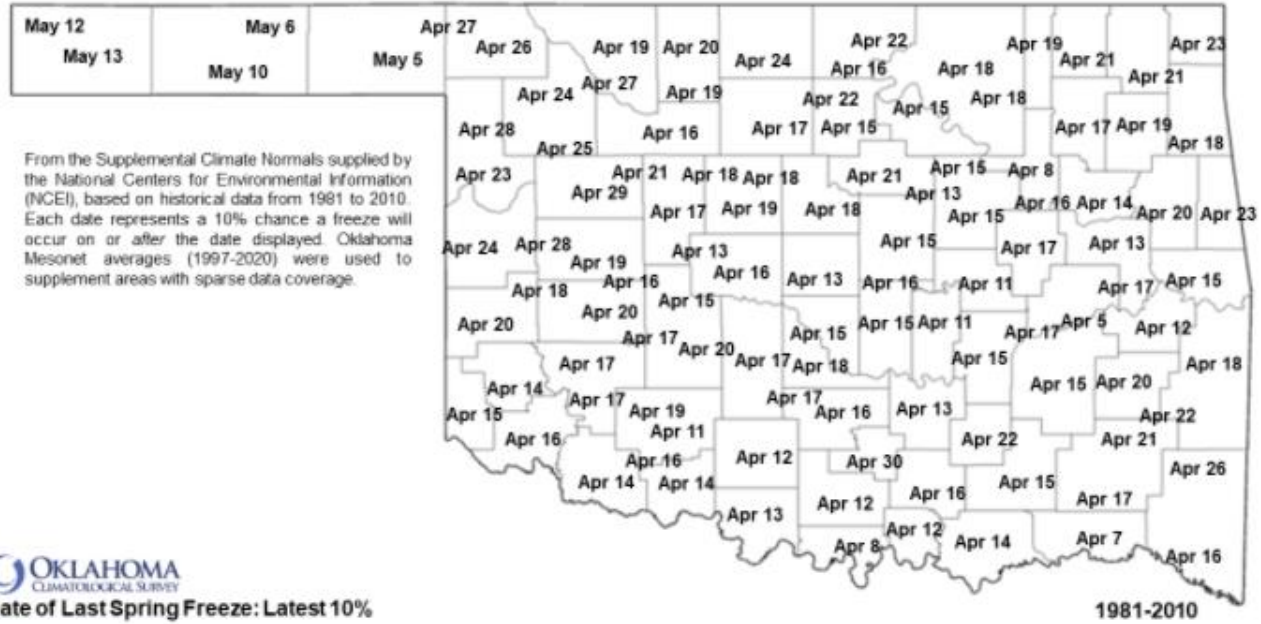
Average First Freeze



Earliest Fall Freeze



Latest Spring Freeze



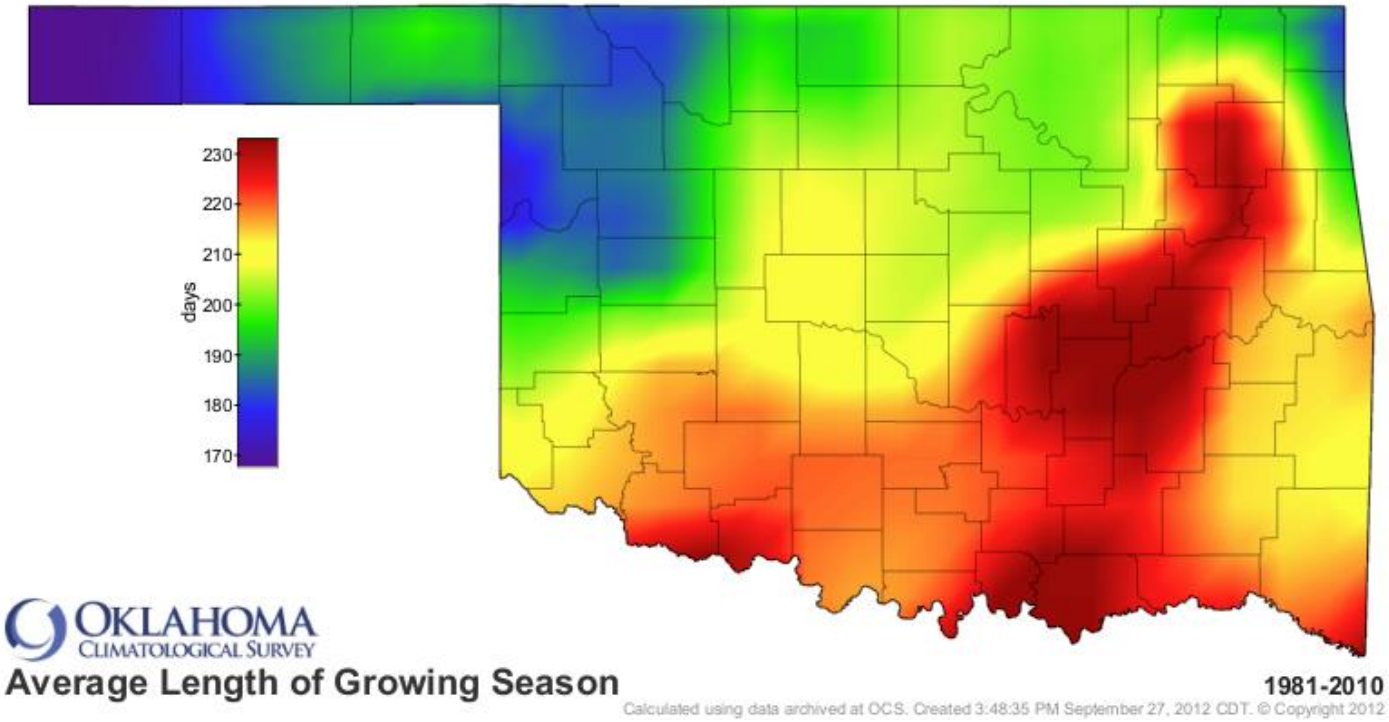
From the Supplemental Climate Normals supplied by the National Centers for Environmental Information (NCEI), based on historical data from 1981 to 2010. Each date represents a 10% chance a freeze will occur on or after the date displayed. Oklahoma Mesonet averages (1997-2020) were used to supplement areas with sparse data coverage.

OKLAHOMA CLIMATOLOGICAL SURVEY

Date of Last Spring Freeze: Latest 10%

1981-2010

Average Length of Growing Season



Management Goals

Things to think about selecting the right cultivars

- If your goal is to have **reduced inputs** think about
  - **Smaller nut** cultivars
  - **High resistance** to scab and insects
  - Trees that do not **overcropping** regularly
- You may want to stay away from large, high % kernel nuts

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Northern

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Kanza

1996

Major x Shoshoni

77 nuts/lb

54% kernel

Early ripening

late pollen shed

excellent scab resistance

Pawnee

1984

Mohawk x Starking hardy giant

44 nuts/lb

58% kernel

Early ripening

early to mid-season pollen shed

Moderate susceptibility to scab

Lakota

2007

Mahan X Major

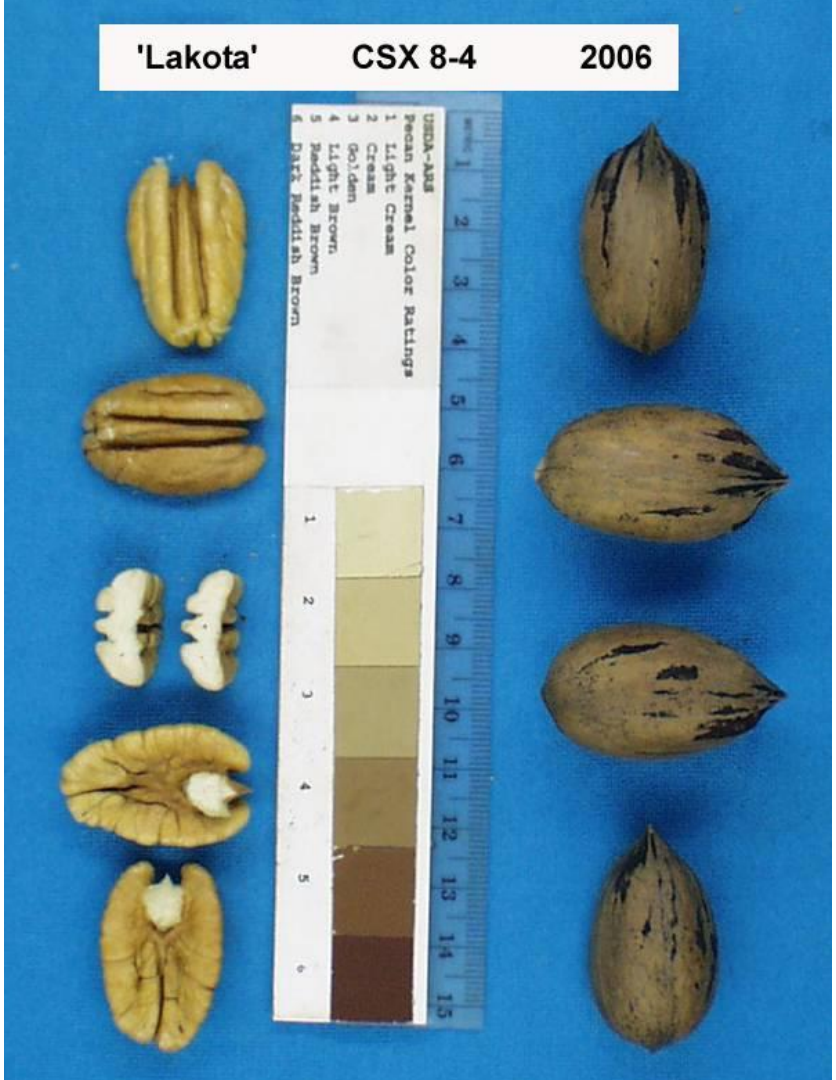
59 nuts/lb

62% kernel

Early ripening

mid to late season pollen shed

excellent scab resistance



Hark

Seedling from Ill.

May have Major parentage

70 nuts/lb

54% kernel

Early ripening

Scab resistant

Southern

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Oconee

1989

Schley x Barton

48 nuts/lb

56% kernel

Mid season ripening

early to mid-season pollen shed

Moderate scab resistance

Caddo

1968

Brooks x Alley

60 nuts/lb

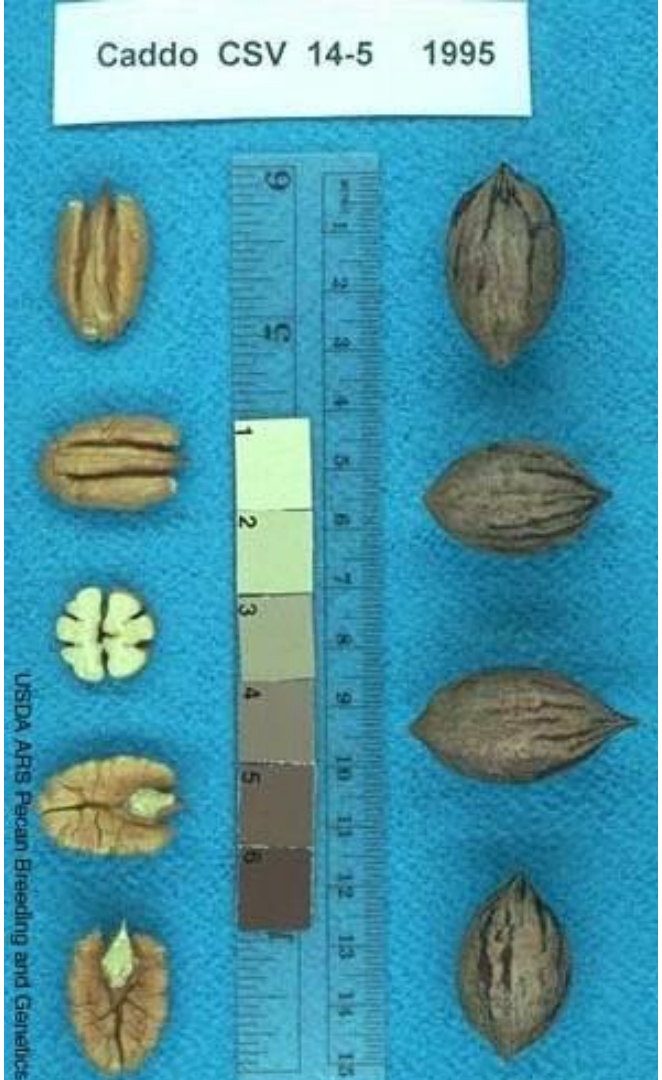
56% kernel

Ripens mid-season

early pollen shed

Moderate scab resistance

Early production



Nacono

2000

Cheyenne x Sioux

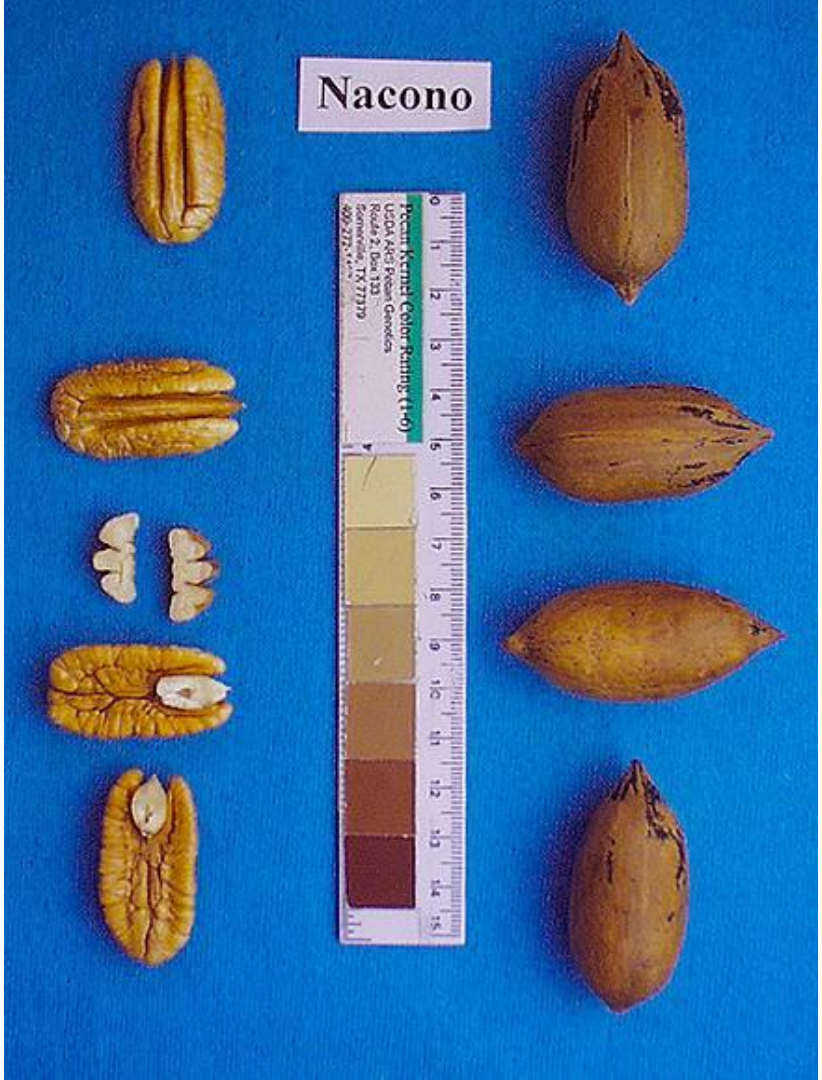
44 nuts/lb

56% kernel

Mid season ripening

late season pollen shed

Resistant to scab



Other Cultivars

Major

- Native from KY
- 77 nuts/lb
- 50 % kernel
- Scab resistant
- Early harvest
- Slow to come into bearing

Shepherd

Native from Mo.

75 nuts/lb

51% kernel

Early ripening

Scab resistant

Consistent producer

Eclipse

Patented

Mohawk x Starking
hardy giant

65 nuts/lb

55% kernel

scab resistant

2 weeks before
Pawnee

Creek

1961

Mohawk x Starking hardy giant

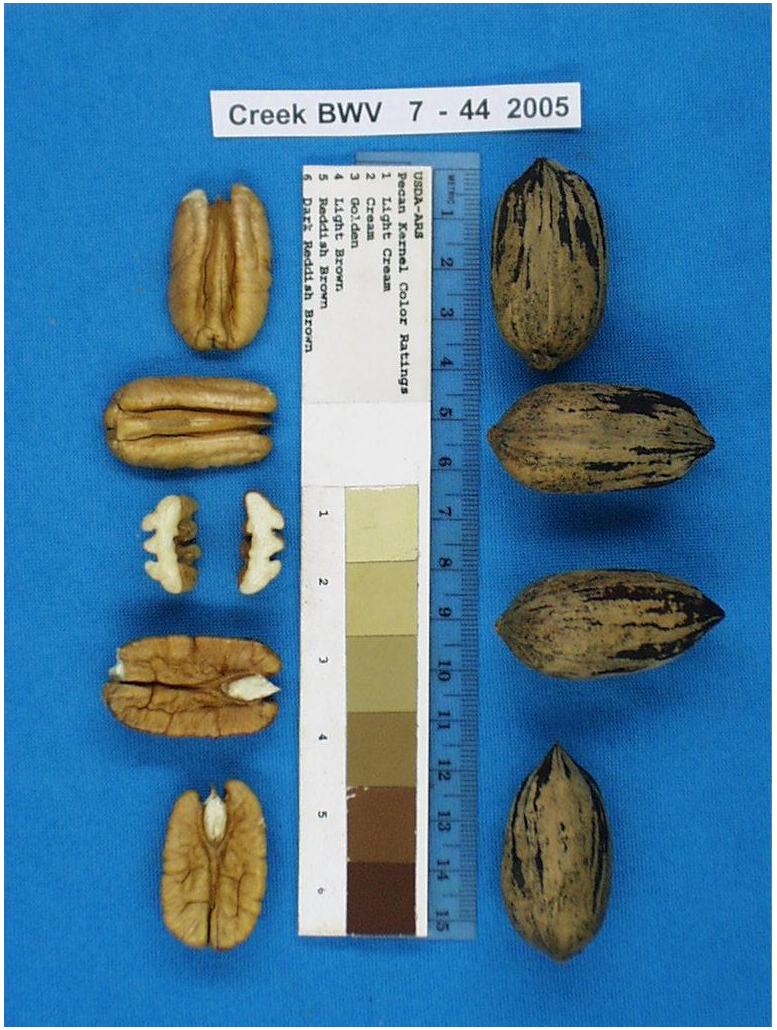
54 nuts/lb

49% kernel

Moderate scab resistant

Precocity & productive

Used as a temporary cultivar



Avalon

2018

Barton x Gloria Grande

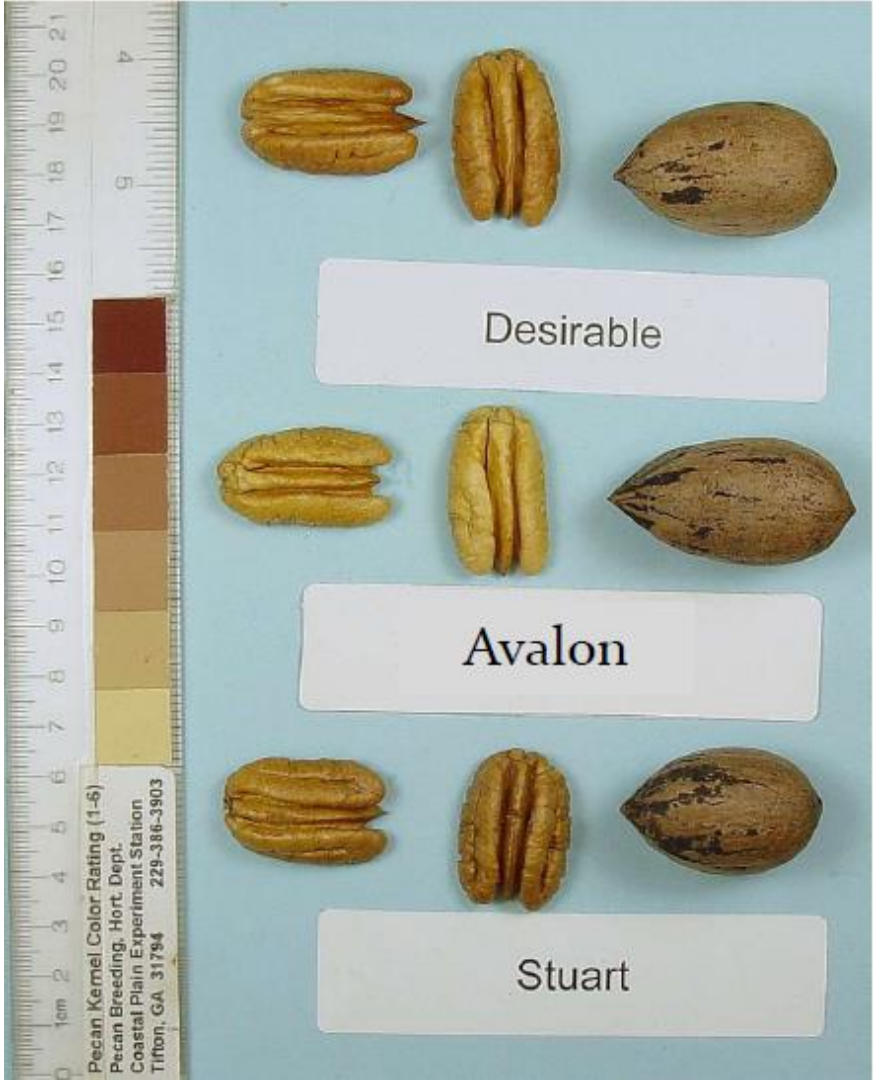
47 nuts/lb

54% kernel

Excellent scab resistance

Med. Season harvest

Black Aphids



Liberty

Kansas Pecan Breeding Program

- Pawnee X Major
- 60 nuts/lb
- 55 % kernel
- appears resistant
- Early harvest
  - -9 days before Kanza
- Protandrous

Labette

Kansas Pecan Breeding Program

- Pawnee X Greenriver
- 53 nuts/lb
- 59 % kernel
- Scab - Un-tested
- Early harvest
  - 6 days after Kanza
- Protogynous

Earlton

Kansas Pecan Breeding Program

- Pawnee x Greenriver
- 69 nuts/lb
- 56 % kernel
- appears resistant
- Early harvest
  - 14 days before Kanza
- Protogynous

Pleasanton

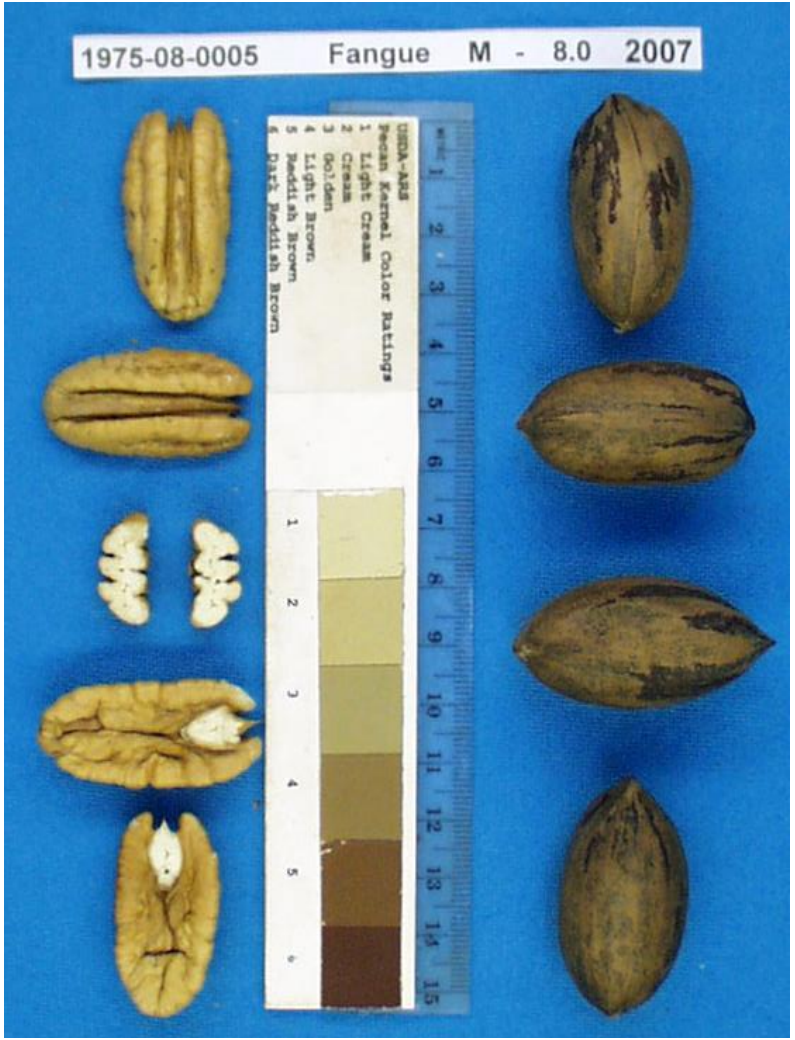
Kansas Pecan Breeding Program

- Pawnee x Major
- 63 nuts/lb
- 57 % kernel
- appears resistant
- Early harvest
  - 3 days before Kanza
- Protogynous

Pueblo

USDA Breeding Program

- Osage x Creek
- 57 nuts/lb
- 56 % kernel
- appears resistant
- Early harvest
  - 3 days after Pawnee
- Protandrous



Seneca

USDA Breeding Program

- NC-2B x NC-4
- 65 nuts/lb
- 57 % kernel
- appears resistant
- Early harvest
  - 5 days before Pawnee
- Protandrous

Zuni

USDA Breeding Program

- Pawnee x Waco
- 46 nuts/lb
- 56 % kernel
- appears resistant
- Early harvest
  - 5 days after Pawnee
- Protandrous

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