



Pecan Management

Lenny Wells

UGA Horticulture

How Will 2013 Affect 2014?

- 2003 Pecan Crop: 75 million
- 2004 Pecan Crop: 45 million
- 2013 Pecan Crop: ~~55 million or less~~ 89 million

Trees attempted a good crop
Heavy Disease/Insect Pressure
Cloudy Conditions

Chance for good
return
crop

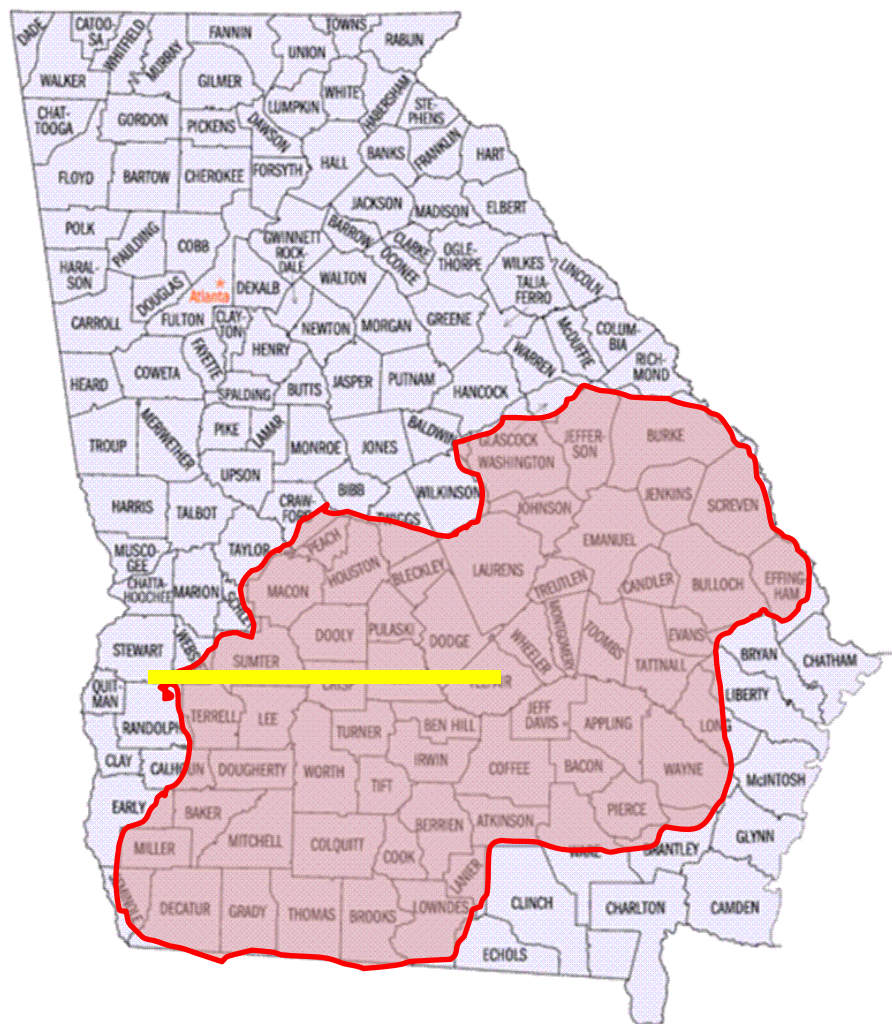
If Yields fair to good with good quality or
Trees never set crop

Poor return
crop potential

If Crop lost after August or Poor Quality=Stressed Trees

2014 Georgia Pecan Crop

- Carry-over of scab inoculum
- Cool, wet spring
- Late budbreak
- Heavy scab pressure prior to June
- Dry nut sizing period
- Short crop
- Small nut size/High % pops/reduced weight



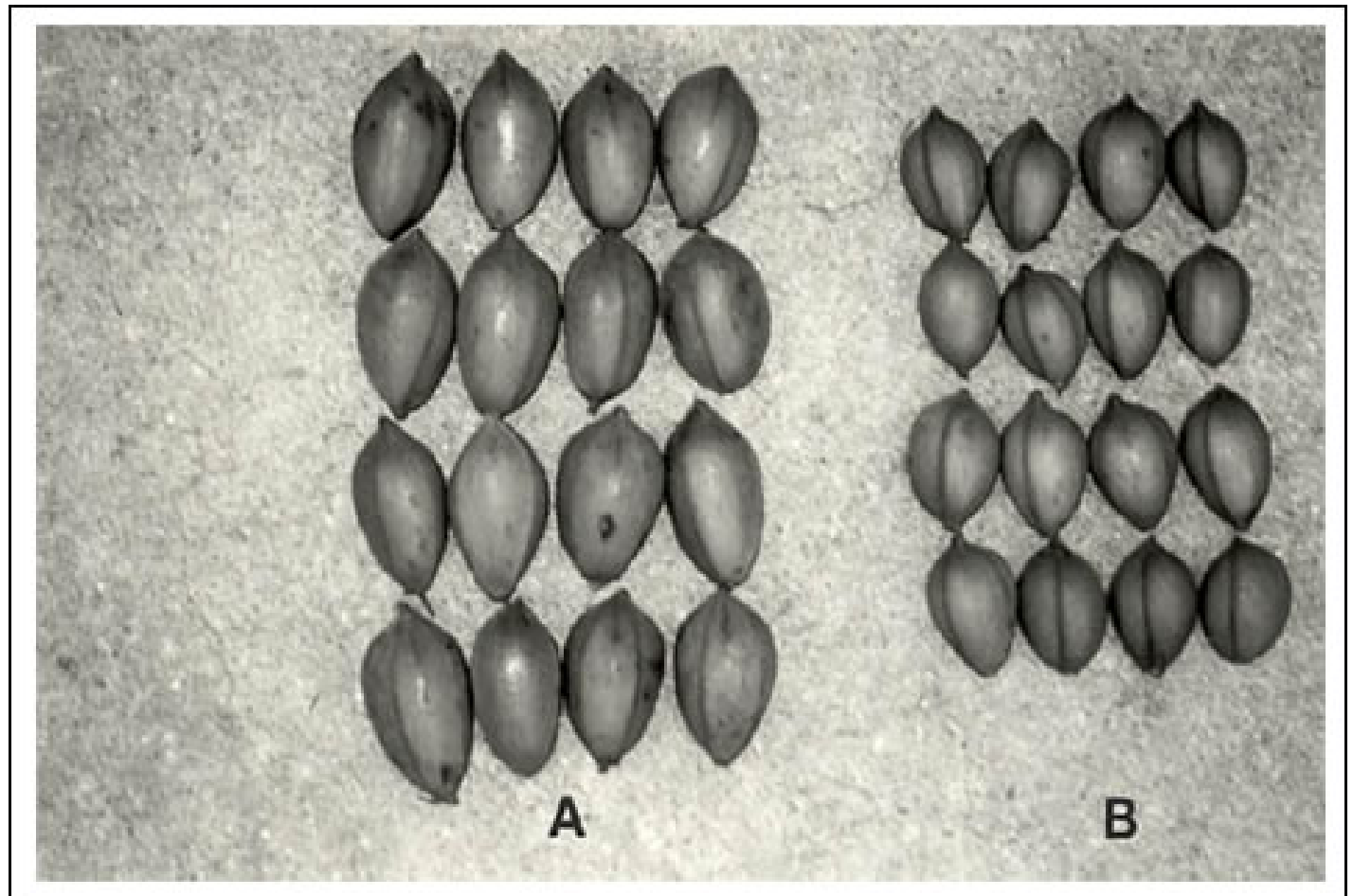
Nut Size Determined By:

Soil moisture during sizing

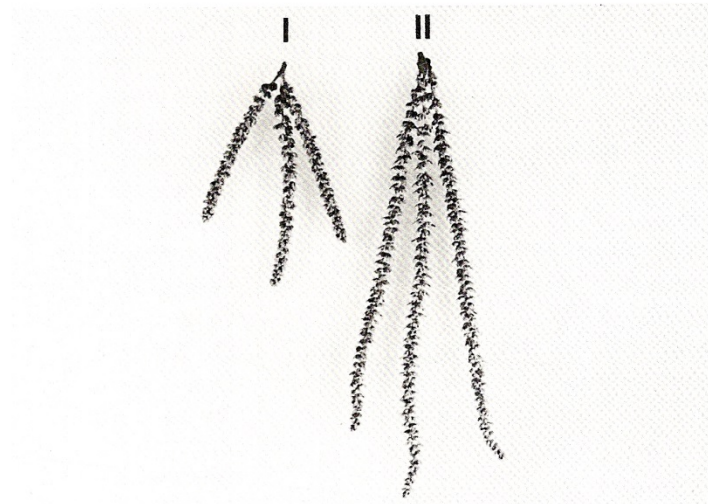
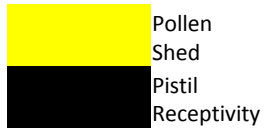
Crop Load

Temperature

Sunlight



Pollination Dates





Ovule was not fertilized (poor pollination)

OR

Fruit aborted following nut sizing (pollen incompatibility or insufficient carbohydrates)

2015 Fertilization

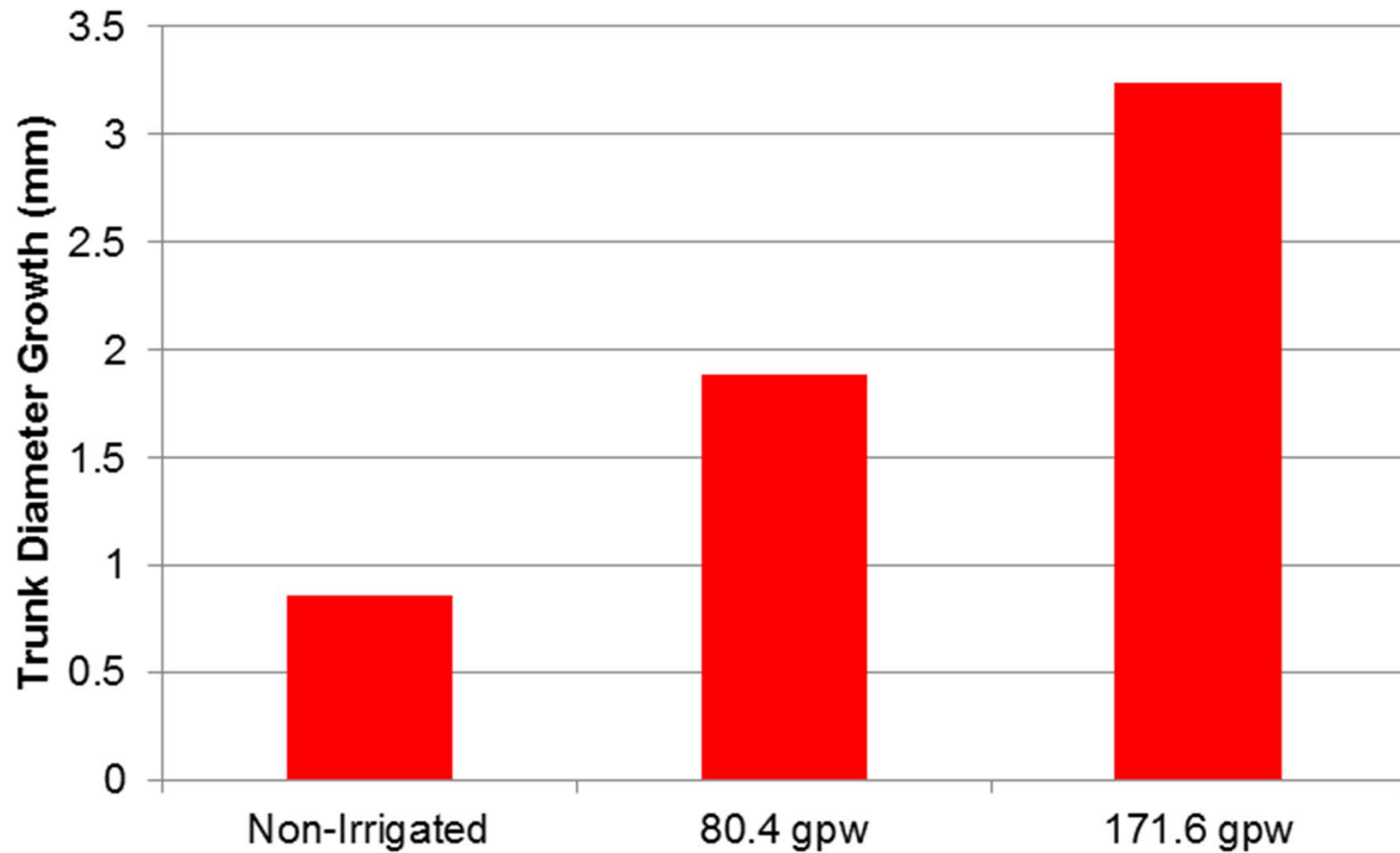


What Herbicides are Safe to Use Around Young Trees?

- Postmergence:
 - Glyphosate, Paraquat, or Glufosinate ---burndown
 - Sandea---nutsedge, pigweed, wild radish
 - Aim---pigweed/morning glory
 - Venue---wild radish, pigweed, morning glory
 - Basagran—some broadleafs and yellow nutsedge
 - Poast---annual and perennial grasses
 - Select---annual/perennial grasses
 - Fusilade---annual/perennial grasses
- Pre-emergence:
 - Surflan
 - Prowl
 - Chateau
 - Alion can be used after year 3.
 - Simazine can be used after year 2
 - Diuron can be used after year 3 (avoid on sandy soils)



Young Tree Irrigation



Hedging Trial

Cultivar	Hedged Lbs/acre	Non-Hedged Lbs/acre	Thinned by Tree Removal
Desirable	842	895	1012
Sumner	802	831	-----

Cultivar	Hedged Lbs/acre	Non-Hedged Lbs/acre	Thinned by Tree Removal
Desirable	1420	1744	Approx. 1500
Sumner	1860	2100	-----

Where does hedging fit?

2,4-D and Dicamba



2,4-D and Dicamba



2,4-D and Dicamba



2,4-D and Dicamba

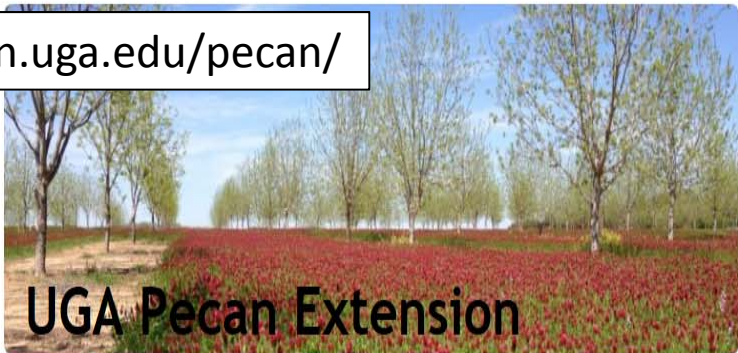


2,4-D and Dicamba



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Shoot Die-back

Written by [Lenny Wells](#)

When the temperatures heat up in late May and early June, the calls begin to come in from growers who are noticing the new shoots of their young trees, which had looked so healthy, are beginning to die-back. This is a problem that is not necessarily restricted to young [...]

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Leaf Scab Thriving in Georgia

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The UGA Pecan Extension Blog is designed to provide timely information relevant to pecan production in Georgia for use by county extension agents and pecan producers.

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