

2018 Pecan Update

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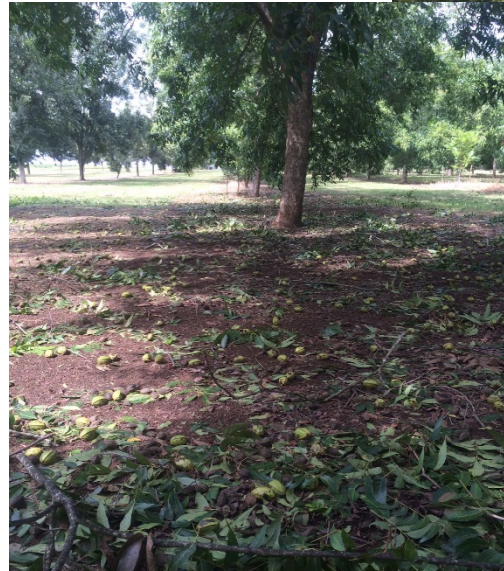


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IRMA

- Est. 30% damage
- Final 2017 GA pecan crop numbers approx. 110,000,000 lbs
- High % B grades



Hedging and Wind



Fertilization Recommendations for Young Trees

- Focus on P,K, Zn---not N!

Rate of 10-10-10/per tree

Year	April	June
1	0	0.5-1 lb
2	1-2 lbs	1-2 lbs
3	2-3 lbs	2-3 lbs
4	3-4 lbs	3-4 lbs

- Apply Zinc Sulfate at 1-3lb per tree for the 1st 3-4 yrs
- 2-3 sprays foliar Zn if deficiency symptoms show
- Mouse Ear Trees:
 - Apply Ni at rate of 1.5 qts/100 gallons



If You Fertigate

Amount of N/acre

Year	April	May	June
1	0	0	5 lbs N
2-4	5 lbs	5 lbs	5 lbs

- Apply granular P,K, Zn over the tree row in March or April of years 1 and 2
 - 40 lbs P
 - 40 lbs K **Increase K application to 60-100 lbs on sandy soil or behind pines**
 - 25 lbs Zn Sulfate

Planting Pecans on New Ground or on very sandy soils

- Prior to planting (if possible) over whole field
 - Lime to 6.5
 - Apply 40 lbs P, 60 lbs K, and up to 25 lbs Zn Sulfate/acre
 - **1 ton chicken litter**
- After Planting (Year 1-4) broadcast toward herbicide strip:
 - Lime to 6.5
 - Apply 40 lbs P, 60 lbs K, and up to **25 lbs Zn Sulfate/acre***
 - 1 ton chicken litter (Jan/Feb/March)

What Source of N do pecan trees prefer?

- No differences between Amm. Nitrate, Amm. Sulfate, Urea
- High N rates reduce leaf K
- No benefit of Ammonium Sulfate for leaf S

Movento Nematode Trial 2016

	Eggs/gram root May 2016	Eggs/gram root October 2016	Caliper Growth during 2016 season
Movento 7oz---April	452a	3887a	9.54ab
Movento 7oz--- Sept	200a	6719a	13.64a
Movento 7oz--- April/Sept	508a	637a	11.15a
Control	507a	1225a	6.49b

Movento Nematode Trial 2017

	Eggs/gram root October 2017	% increase in eggs/gram root 2016-2017	Caliper Growth during 2017 season (mm)
Movento 7oz--- April	9609a	147a	30a
Movento 7oz--- Sept	10886a	62a	27.7a
Movento 7oz--- April/Sept	9480a	1388a	26.38a
Control	12276a	902a	17.5a

Pollinators

- Pawnee
 - Lakota, Sumner, Zinner, Desirable, Elliott, Ellis
- Creek
 - Cape Fear, Caddo, Desirable, Oconee, Pawnee
- Cape Fear
 - Caddo, Cherryle, Creek, Desirable, Elliott, Kanza, Kiowa, Lakota, Oconee, Pawnee, Sumner, Zinner, Avalon, Ellis
- Caddo
 - Cape Fear, Creek, Cherryle, Desirable, Elliott, Kanza, Kiowa, Lakota, Oconee, Pawnee, Zinner, Avalon, Ellis*
- Oconee
 - Caddo, Cape Fear, Creek, Cherryle, Desirable, Elliott, Pawnee, Avalon
- Sumner
 - Cape Fear, Cherryle, Creek, Desirable, Oconee, Pawnee
- Zinner
 - Caddo, Cape Fear, Cherryle, Creek, Desirable, Oconee, Pawnee
- Ellis
 - Caddo, Cape Fear, Cherryle, Creek, Desirable, Oconee, Pawnee
- Lakota
 - Caddo, Cape Fear, Creek, Desirable, Oconee, Pawnee
- Avalon
 - Caddo, Cape Fear, Cherryle, Creek, Desirable, Oconee, Pawnee



Avalon

- Selected by Dr. Patrick Conner from a cross between 'Gloria Grande' and 'Barton'.
- Selected for large size, good quality, and lack of scab.
- Good scab resistance
 - (similar to Elliott)
- Harvest date abt 1 wk before Desirable
- 47 nuts/lb, 54% kernel
- Mod. Cluster Size/Average Precocity
- Monitor black aphids
- Type II
- Licensed Nurseries:
 - Nut Tree Pecan Nursery (Albany)
 - Shiloh Pecan Farms (Ray City)
 - Hampton Pecan Farms (Tifton)
 - Georgia Pecan Nursery (Valdosta)



Cherryle

- Large nut with excellent quality.
- Can have suture split.
- A little dark in color some years.
- Heavy yields
- 40 nuts/lb
- 56% kernel
- Oct. 11
- Scab similar to Creek or Oconee
- Type II
- Requires fruit thinning when mature

