

Management of Young Pecan Trees

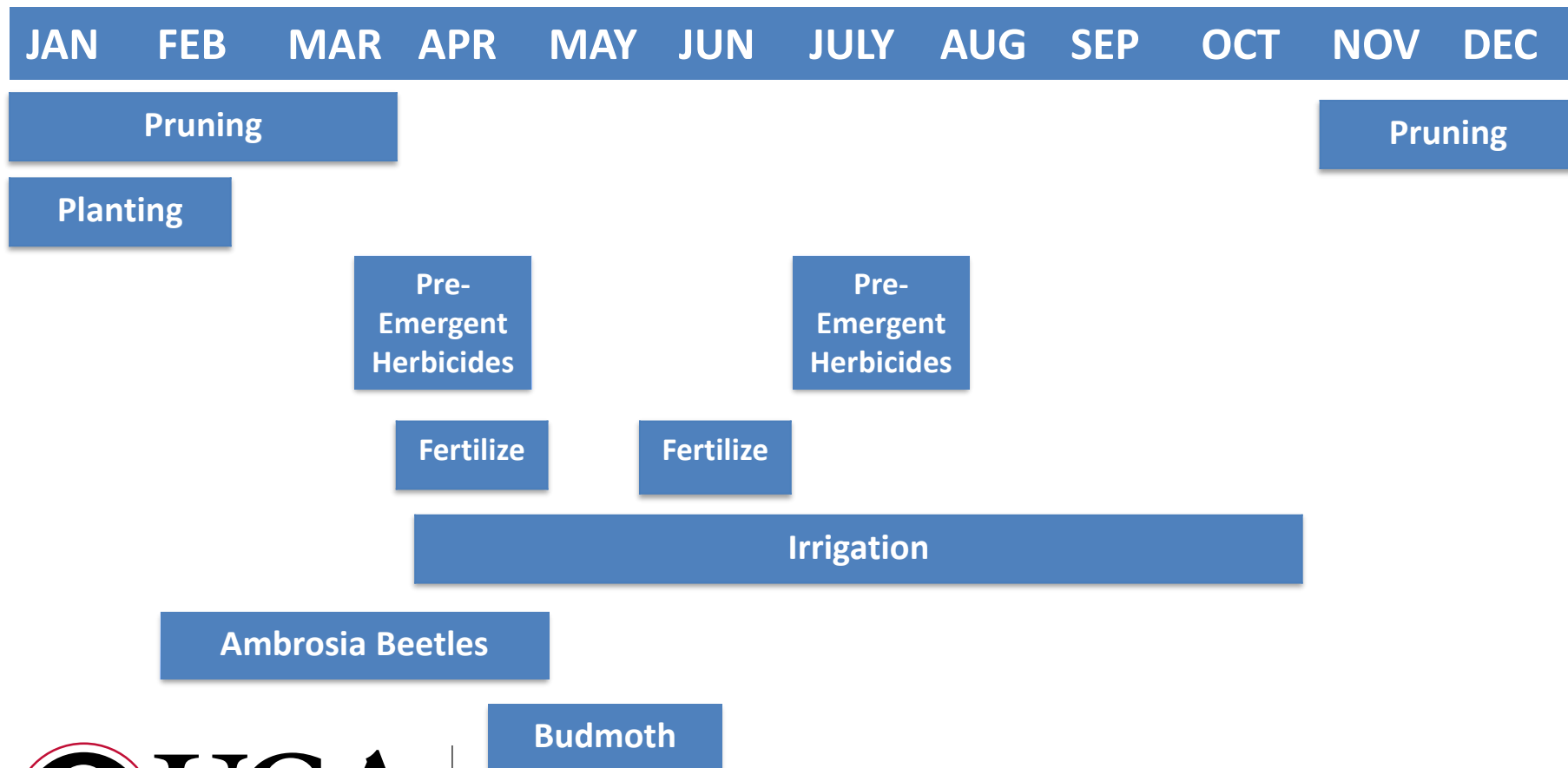
University of Georgia



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Young Tree Management



Young Tree Fertilization

GRANULAR APP/TREE

Year 1 = No Nitrogen

---Apply only P, K, and Zn

Year 2 = 1 lb balanced N,P,K/tree + 1 lb Zn

Year 3 = 1.5 lbs balanced/tree + 1 lb Zn

Year 4 = 3 lbs balanced/tree + 1 lb Zn

INJECTION

Year 1 = No Nitrogen

---Apply only P, K, and Zn

Year 2 & 3 = 5 lbs N/acre

- P,K, Zn broadcast toward strip

Year 4 = 10 lbs N/acre

- P,K, Zn broadcast toward strip

*Broadcast Blend for P,K, Zn
Yrs 1-4 = 40-40-5*

Rosette and Mouse Ear



Apply foliar Zinc at 1 quart / 100 gallons of water for Zn deficiency



Apply foliar Nickel at 1.5 quart / 100 gallons of water for Mouse Ear

Irrigating Young Trees

(< 4 years)

1. Drip

- 1 emitter within 1 ft of tree; another 3-4 ft away (2 gal / hr)
- April – 4 hrs two days per week (16 gal/week)
- May – 4 hrs three days per week (24 gal/week)
- June-Sept. – 6 hrs every other day (48 gal/week)
- Need to cover about 50% of the root zone with water

2. Microsprinkler

- 1 emitter 3-4 ft away (14.7 gal / hr)
- April – 3 hrs once per week – 45 gal/week
- May – 3 hrs twice per week (M & F) – 90 gal/week
- June-Sept. – 3 – 4 hrs watering time – one day on, two days off



Herbicide Program for 1 – 2 Year-Old Trees

At budbreak:

Glufosinate + Prowl H20

May/June:

Glufosinate **or** Glyphosate **or** Paraquat +
Flumioxazen (Tuscany, Chateau)

August/September

Glufosinate **or** Glyphosate **or** Paraquat +
Flumioxazen (Tuscany, Chateau)

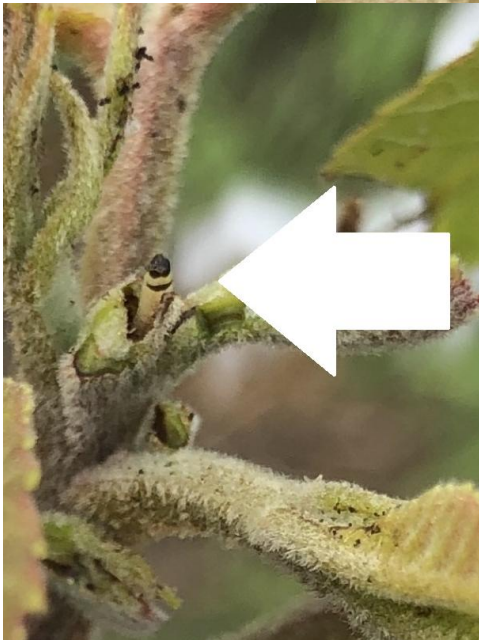


Ambrosia Beetles

- Pecan trees 1 – 3 years-old
- Flights begin in late Feb to early March and continue through early May. No flights after June.
- Set traps on Valentines Days to determine AAB flights in spring
- Pour ethonal or denatured alcohol into ½ inch drill hole on hardwood log. Set 1 trap every 100 yards.
- Treat with pyrethroid at 1 – 2 oz per 10 gallons of water every 10 – 14 days when beetles are active.



Pecan Budmoth



Biology

- 1) One month life cycle
- 2) 5 – 6 generations / year
- 3) Trees 1 – 2 years old

Control

- 1) Spray at budbreak
- 2) Insecticides to use:
 - Intrepid 2F or Intrepid Edge
 - Minecto Pro
- 3) Spray once / month through June

Insecticide	Plant Uptake	Rate / 10 gallons
Intrepid 2F	Not absorbed into leaf; not translocated	1 oz
Intrepid Edge	Absorbed into leaf; not translocated	1 oz
Dimlin	Absorbed into leaf; not translocated	1.5 oz
Minecto Pro	Systemic	1.5 oz

Nitrogen Rates for Year 5 – 10

Year	Total N / acre
5 – 6	50 lbs
7 – 8	65 lbs
9	75 lbs
10 +	100 lbs

- ❖ Split N application twice with granular and every 10 days starting in April with fertigation.
- ❖ Apply P, K, and Zn according to leaf tissue analysis and soil sample calculator.