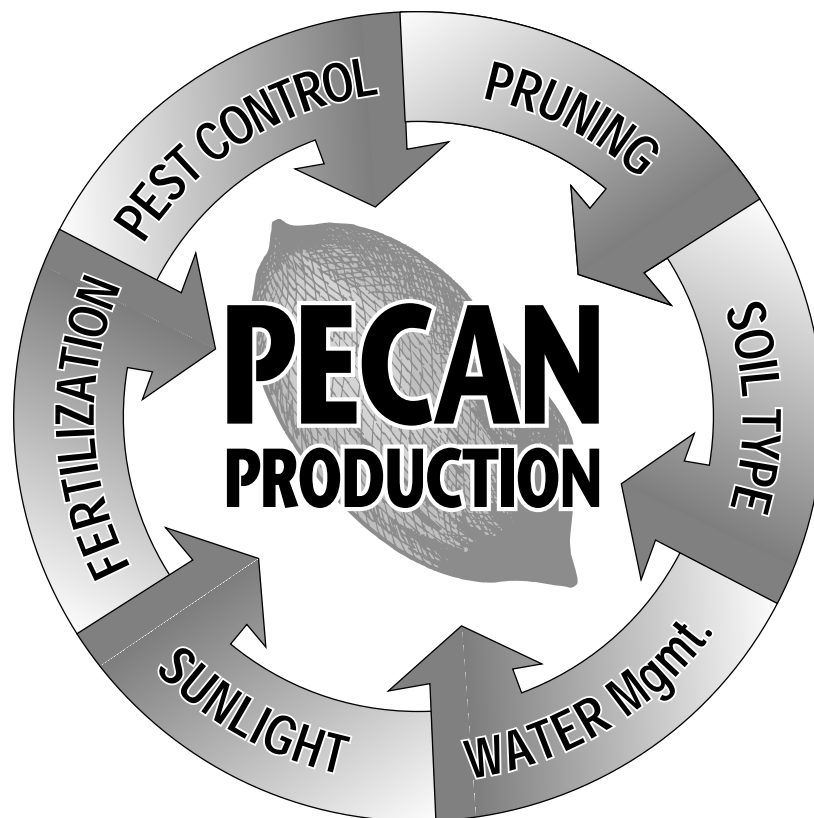


Pecan Orchard Management Schedule



Cooperative Extension Service
College of Agriculture and Home Economics

Calendar of Operations for Orchard Establishment

Year Prior to Planting

Time	Date Done	Operation	Comments
April		Weed control.	Spot weed control. Glyphosate applications to Johnson and Bermuda grass.
May		Weed control.	Continue as necessary.
June		Order trees.	
July		Weed control.	Continue as necessary.
Nov.		Install drip irrigation system.	
Dec.		Install drip irrigation system. Prepare land.	If not finished in November. Crossed plowing, discing, and laser nivelation. Subsoiling is necessary when soil drainage needs to be improved.

Year of Planting

Time	Date Done	Operation	Comments
Jan.		Prepare land. Install drip irrigation. Irrigation. Planting and head pruning. Transplant old trees. Irrigation.	Continue if not finished in December. Last call. Before planting or transplanting. If trees have not been pruned by nurseryman. After planting or transplanting.
Feb.		Prepare land. Irrigation Planting and head pruning. Transplant old trees. Irrigation. Pre-emergence herbicide application.	Continue if not finished in January. Before planting or transplanting If trees have not been pruned by nurseryman. After planting or transplanting. Apply Treflan.
March			
Early		Spot weed control. Irrigation.	Glyphosate applications.
Late		Irrigation.	
April			
Early		Irrigation.	
Late		Weed control. Irrigation.	Done by Glyphosate applications, discing, or mowing.

Year of Planting (continued)

Time	Date Done	Operation	Comments
May Early		Scout for yellow aphid infestation. Irrigation.	Chemical control is required if 30 or more yellow aphids are found per compound leaf.
Late		First zinc application. Yellow aphid control. Weed control. Irrigation.	If enough foliage is present. If 30 or more yellow aphids are found per compound leaf. Can be done by Glyphosate applications, discing, or mowing.
June Early		Second zinc application. Nitrogen fertilization. Irrigation.	Two weeks after first. Apply 1 pound of ammonium sulfate per tree by ground application only if trees are growing fast. Right after fertilizing.
Late		Third zinc application. Weed control. Irrigation.	Two weeks after second. Can be done by Glyphosate applications, discing, or mowing.
July Early		Fourth zinc application. Irrigation.	Two weeks after third.
Late		Black aphid control. Weed control. Irrigation.	If one or more black aphids are found per compound leaf. Can be done by Glyphosate applications, discing, or mowing.
Aug. Early		Yellow aphid control. Black aphid control. Irrigation.	If 20 or more yellow aphids per compound leaf are found. If one or more black aphids per compound leaf are found.
Late		Weed control. Irrigation.	Can be done by Glyphosate applications, discing, or mowing.
Sep. Early		Black aphid control. Irrigation.	Late infestation.
Late		Irrigation.	

**Calendar of Operations for Young Orchards
(from 2–8 years)**

Time	Date Done	Operation	Comments
Jan.			
Early		Pruning (tree training).	Central leader system.
Late		Heavy winter irrigation. Replace trees.	Add moisture and drain soluble salts. As necessary.
Feb.			
Early		Pre-emergence herbicide application. Pruning (tree training). Replace trees.	Apply Treflan. Continue as necessary. Continue as necessary.
Late		Replace trees. Training pruning.	Continue as necessary. Continue as necessary.
March			
Early		Nitrogen fertilization.	In trees two years or older, apply half of total nitrogen by ground application.
Late		Spot weed control. Irrigation.	Glyphosate applications. Right after fertilizing.
April			
Early		First zinc application.	When leaves are unfolding.
Late		Scout for early yellow aphid infestation. Second zinc application. Patch budding (or grafting). Weed control. Irrigation.	Usually when hot weather has prevailed. One week after first. Grower may begin to bud (or graft) if bark slips. Can be done by Glyphosate applications, discing, or mowing.
May			
Early		Third zinc application. Patch budding (or grafting). Irrigation. Force buds.	2–3 weeks after second. Continue as necessary. Buddings done last fall (after bud break has occurred).
Late		Fourth zinc application. Weed control. Yellow aphid control.	2–3 weeks after third. Can be done by Glyphosate applications, discing, or mowing. If 30 or more yellow aphids are found per compound leaf.

Time	Date Done	Operation	Comments
May Late	(cont'd)	Irrigation. Patch budding (or grafting). Force buds.	Continue as necessary. Current year's budding. Three weeks after budding if budpatch is green.
June Early		Fifth zinc application. Remaining 1/2 of nitrogen. Patch budding (or grafting). Force buds. Irrigation.	2–3 weeks after fourth. By ground application. Continue as necessary. Three weeks after budding if budpatch is green.
Late		Sixth zinc application. Weed control. Budding. Force buds Irrigation.	2 weeks after first. Can be done by Glyphosate applications, discing, or mowing. Continue as necessary. 3 weeks after budding if budpatch is green.
July Early		Irrigation.	
Late		Black aphid control. Weed control. Irrigation.	If one or more black aphids per compound leaf are found. Can be done by Glyphosate applications, discing, or mowing.
Aug. Early		Yellow aphid control. Black aphid control. Patch budding.	If 20 or more yellow aphids are found per compound leaf. If one or more black aphids per compound leaf are found. Using current year's buds.
Late		Weed control. Irrigation. Patch budding.	Can be done by Glyphosate applications, discing, or mowing. Last chance.
Sep. Early		Black aphid control. Irrigation.	Late infestation.
Late		Irrigation.	

**Calendar of Operations for Established Orchards
(9 years or more)**

Time	Date Done	Operation	Comments
Jan. Early		Selective pruning. Prune back trees to be transplanted. Remove dead branches.	To permit sunlight penetration. Leave a 7- to 9-ft trunk as necessary. As necessary.
Late		Heavy winter irrigation. Transplant trees. Prune back branches to be budded (August) or grafted (May to August).	Add moisture and drain soluble salts.
Feb. Early		Pre-emergence herbicide application. Selective pruning. Replace trees. Transplant trees.	Apply Treflan or Karmex. Continue as necessary. Continue as necessary. Continue as necessary.
Late		Collect budwood and graftwood. Replace trees. Transplant trees.	Continue as necessary. Continue as necessary.
March Early		Nitrogen fertilization. Maintain sprayers. Collect budwood and graftwood.	1/2 of total nitrogen by ground application. Continue as necessary.
Late		Spot weed control. First irrigation.	Glyphosate applications. Right after fertilizing.
April Early		First zinc application. Force buds.	When leaves are unfolding. Buddings done last fall.
Late		Scout for early yellow aphids. Second zinc application. Grafting. Second irrigation. Spot weed control.	Usually when hot weather has prevailed. One week after first. Grower may begin to graft. Continue Glyphosate applications.

Time	Date Done	Operation	Comments
May Early		Third zinc application. Grafting. Third irrigation.	2–3 weeks after second. (Minor elements can be added to zinc sprays.) Continue as necessary.
Late		Weed control. Fourth zinc application. Control early yellow aphid infestation. Pecan nut casebearer control (first generation). Fourth irrigation. Grafting. Spot weed control.	Can be done by Glyphosate application, discing, or mowing. 2–3 weeks after third. (Minor elements can be added to zinc sprays.) If more than 30 yellow aphids are found per compound leaf. When tips of the young nuts turn brown after pollination or if 3% of the nut clusters are infested with an egg or larvae. Last chance (to get some shoot growth this year). Glyphosate applications.
June Early		Remaining 1/2 of nitrogen. Fifth irrigation. Pecan nut casebearer control.	By ground application. Right after fertilizing. In cooler years (first generation).
Late		Sixth irrigation.	
July Early		Weed control. Seventh irrigation. Insect control.	Can be done by herbicide application, discing or mowing. Last chance to spray systemic insecticide to aphids (80 days limitation pre-harvest).
Late		Black aphid control. Pecan nut casebearer control. Take leaf samples. Patch budding. Eighth irrigation. Spot weed control.	If one or more black aphids are found per compound leaf. If 3% of the nut clusters are infested with eggs or larvae. New growth on pruned branches. (Use buds from current year's growth.) Continue Glyphosate applications.

Calendar of Operations for Established Orchards (continued)

Time	Date Done	Operation	Comments
Aug. Early		Weed control. Yellow aphid control. Black aphid control. Maintain harvest equipment. Patch budding. Ninth irrigation.	Can be done by herbicide application, discing, or mowing. If 20 or more yellow aphids are found per compound leaf. If one or more black aphids are found per compound leaf. Last chance.
Late		First pesticide application for hickory shuckworm. Tenth irrigation. Maintain harvest equipment.	Shell hardening. Continue as necessary.
Sep. Early		Black aphid control. Second pesticide application for hickory shuckworm. Eleventh irrigation.	Late infestation. Two weeks after first.
Late		Third pesticide application for hickory shuckworm. Preparation for harvest. Twelfth irrigation.	May not be needed.
Oct. Early		Thirteenth irrigation needed if hot weather prevails.	
Nov. Mid to Late		Harvest.	Begin.
Dec.		Harvest. Burn or incorporate shucks (husks).	Continue as necessary. Control cultural practice for shuckworm.

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NOTES

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