

Appendix M

Yolo County Agricultural Practices

This appendix provides additional information in support of the agriculture-related covered activities described in Chapter 3, *Covered Activities*. The tables on the following pages summarize the farming practices and their seasonal timing that are associated with cultivation and harvest of the major crop types cultivated in the Plan Area.

Crop Type: Alfalfa

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X		
	deep rip	X	X		
	shallow rip ¹		X		
	grade	X	X		
	leveling	X	X		
	bedding	X	X		
	plowing ¹		X		
Cultivation and planting					
	disc/harrow		X		
	drill/plug		X		X
	seeding		X		X
Fertilization					
	cover crop ¹				
	ground app.	X	X		X
	air app. ¹				
	water app.		X		
Irrigation					
	furrow ¹				
	flood	X	X		
	pressure (sprinkler/drip)		X		X
Spraying/pesticide use					
	herbicide	X	X	X	X
	insecticide	X			X
	fungicide ¹				
	fumigants ¹	X pre-replant	X pre-replant	X pre-replant	X pre-replant

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting	X	X		X
	picking ¹				
	digging ¹				
	combining ¹				
Pruning					
	hand ¹				
	mechanical ¹				
Residue Mgmt.					
	burning ¹				
	grinding ¹				
	chipping ¹				
	chopping ¹		X	X	X
	baling	X	X		X

¹Implementation of practice occurs at different times of year depending on conditions and management.

Crop Type: Field Crops

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X	X when dry	X
	deep rip ¹	X	X	X	
	shallow rip	X	X	X	X
	grade	X	X	X	X
	leveling	X	X	X	X
	bedding	X	X	X when dry	X
	plowing ¹		X		
Cultivation and planting					
	disc/harrow	X	X sugar beets	X	X
	drill/plug	X	X sugar beets	X	X
	seeding	X	X	X	X
Fertilization					
	cover crop		X	X	X
	ground app.	X	X sugar beets		X
	air app. ¹	X	X		X
	water app.	X	X		X
Irrigation					
	furrow	X	X		X
	flood	X sudan			X sudan
	pressure (sprinkler/drip) ¹	X	X		X
Spraying/pesticide use					
	herbicide	X	X	X beds	X
	insecticide	X	X		X
	fungicide	X	X sugar beets	X	X
	fumigants ¹				

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting	X	X		X
	picking	X	X		
	digging	X	X	?	
	combining	X	X		
Pruning					
	hand ¹				
	mechanical ¹				
Residue Mgmt.					
	burning ¹	X	X		X
	grinding ¹				
	chipping ¹				
	chopping	X	X		X
	baling	X	X		
Other					
	discing	X	X	X	X

¹Implementation of practice occurs at different times of year depending on conditions and management.

Crop Type: Oat Hay (Field Crop)

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X		
	deep rip ¹				
	shallow rip	X			
	grade ¹				
	leveling ¹		X		
	bedding ¹				
	plowing ¹	X	X		
Cultivation and planting					
	disc/harrow	X	X		X
	drill/plug		X		
	seeding		X		
Fertilization					
	cover crop ¹				X
	ground app.		X	X	X
	air app. ¹		X	X	X
	water app. ¹		X		X
Irrigation					
	furrow ¹		X	X	X
	flood ¹		X	X	X
	pressure (sprinkler/drip) ¹		X	X	X
Spraying/pesticide use					
	herbicide		X	X	X
	insecticide ¹			X	X
	fungicide ¹			X	X
	fumigants ¹				

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting				X
	picking ¹				
	digging ¹				
	combining ¹				
Pruning					
	hand ¹				
	mechanical ¹				
Residue Mgmt.					
	burning ¹	X			X
	grinding ¹				
	chipping ¹				
	chopping ¹				X
	baling				X

¹Implementation of practice occurs at different times of year depending on conditions and management.

Crop Type: Rice

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X	X	X
	deep rip ¹	X			
	shallow rip	X	X	X	X
	grade	X	X	X	X
	leveling	X if fallow	X	X	X
	bedding ¹				
	plowing		X		X
Cultivation and planting					
	disc/harrow		X		X
	drill/plug ¹				X
	seeding	X early April, May and June			X
Fertilization					
	cover crop		X	X	
	ground app. ¹	X early June			X
	air app.	X	X		X
	water app. ¹				
Irrigation					
	furrow ¹	X	X		
	flood	X	X	X	X
	pressure (sprinkler/drip) ¹				
Spraying/pesticide use					
	herbicide	X	X tule on checks	X	X
	insecticide	X			X
	fungicide ¹	X			X
	fumigants	X stem rot			

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting ¹				
	picking ¹				
	digging ¹				
	combining	X	X		
Pruning					
	hand ¹				
	mechanical ¹				
Residue Mgmt.					
	burning		X	X	
	grinding ¹		X	X	X
	chipping ¹				
	chopping		X	X	X
	baling		X		

¹Implementation of practice occurs at different times of year depending on conditions and management.

Crop Type: Tomatoes

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	Disc	X	X	X dry	X
	deep rip	X	X	X dry	X
	shallow rip ¹	X	X	X dry	X
	grade ¹	X	X	X dry	X
	Leveling	X	X	X dry	X
	Bedding	X	X	X dry	X
	plowing ¹		X		X
Cultivation and planting					
	disc/harrow ¹				X
Transplants	drill/plug	Early summer			X
	seeding ¹				X
Fertilization					
	cover crop ¹		X	X	
	ground app.	X			X
	air app. ¹	X			X
	water app.	X			X
Irrigation					
	furrow	X			X
	flood ¹				
	pressure (sprinkler/drip)	X			X
Spraying/pesticide use					
	herbicide	X	X	X	X
	insecticide	X			X
	fungicide	X			X
	fumigants ¹				X

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting ¹				
	picking	X	X Early fall		
	digging ¹				
	combining ¹				
Pruning					
	hand ¹				
	mechanical ¹				
Residue Mgmt.					
	burning ¹				
	grinding ¹				
	chipping ¹				
	chopping ¹		X		
	baling ¹				

¹Implementation of practice occurs at different times of year depending on conditions and management.

Crop Type: Almonds

Agricultural		Seasonal Timing			
Activity	Practices	Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc ¹	X	X	X	X
	deep rip ¹	X	X	X	X
	shallow rip ¹	X	X	X	X
	grade ¹	X	X	X	X
	leveling ¹	X	X	X	X
	bedding ¹	X	X	X	X
	plowing ¹				
Cultivation and planting					
	disc/harrow ¹	X	X	X	X
	drill/plug ¹				
	seeding ¹				
Fertilization					
	cover crop	X	X	X	X
	ground app.	X	X	X	X
	air app. ¹	X	X		X
	water app.	X			X
Irrigation					
	furrow ¹	X	X	X	X
	flood ¹		X	X	X
	pressure (sprinkler/drip)	X	X	X	X
Spraying/pesticide use					
	herbicide	X	X	X	X
	insecticide	X	X	X	X
	fungicide	X		X	X
	fumigants ¹		X	X	

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting ¹				
	picking	X	X		
	digging ¹				
	combining ¹				
Pruning					
	hand	X	X	X	X
	mechanical	X	X	X	X
Residue Mgmt.					
	burning ¹	X	X	X	X
	grinding ¹	X	X	X	X
	chipping	X	X	X	X
	chopping ¹	X	X	X	X
	bailing				
Other					
	mowing	X	X	X	X

¹Implementation of practice occurs at different times of year depending on conditions and management.

Crop Type: Deciduous Fruits

Agricultural		Seasonal Timing			
Activity	Practices	Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X		X
	deep rip ¹	X	X		X
	shallow rip ¹	X	X		X
	grade ¹	X	X		X
	leveling ¹	X	X		X
	bedding ¹				
	plowing ¹				
Cultivation and planting					
	disc/harrow ¹	X	X		X
	drill/plug ¹				
	seeding ¹	X	X		X
Fertilization					
	cover crop		X	X	
	ground app.	X	X		X
	air app. ¹	X			X
	water app. ¹	X	X		X
Irrigation					
	furrow	X	X		X
	flood	X	X		X
	pressure (sprinkler/drip)	X	X		X
Spraying/pesticide use					
	herbicide	X	X	X	X
	insecticide	X	X		X
	fungicide ¹	X	X	X	X
	fumigants ¹	X	X	X	X

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting ¹				
	picking	X	Oct.		X
	digging ¹				
	combining ¹				
Pruning					
	hand ¹	X	X	X	X
	mechanical	X	X	X	X
Residue Mgmt.					
	burning ¹	X	X	X	X
	grinding ¹	X	X	X	X
	chipping ¹	X	X	X	X
	chopping	X	X	X	X
	baling ¹				

¹Implementation of practice occurs at different times of year depending on conditions and management.

Crop Type: Walnuts

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X	X	X
	deep rip ¹	X	X	X	
	shallow rip ¹	X	X	X	
	grade ¹	X	X	X	X
	leveling ¹	X	X	X	X
	bedding tree-removal ¹	X	X	X	X
	plowing ¹	X	X		
	fumigating	X	X	X	X
Cultivation and planting					
	disc/harrow ¹	X	X	X	X
	drill/plug/dig ¹			X	X
	seeding ¹				
Fertilization					
	cover crop	X	X	X	X
	ground app.	X	X	X	X
	air app. ¹	X	X	X	X
	water app.	X	X	X	X
Irrigation					
	furrow	X	X	X	X
	flood ¹	X	X	X	X
	pressure (sprinkler/drip)	X	X	X	X
Spraying/pesticide use					
	herbicide	X	X	X	X
	insecticide by air	X	X	X	X
	fungicide by air			X	X
	fumigants ¹		X	X	X

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting ¹				
	picking		X	X	
	digging ¹				
	combining ¹				
Pruning					
	hand	X	X	X	X
	mechanical	X	X	X	X
Residue Mgmt.					
	burning ¹	X	X	X	X
	grinding ¹	X	X	X	X
	chipping	X	X	X	X
	chopping ¹	X	X	X	X
	baling ¹				

¹Implementation of practice occurs at different times of year depending on conditions and management.

Crop Type: Wine Grapes

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X	X	X
	deep rip ¹		X	X	X
	shallow rip ¹		X	X	X
	grade ¹	X	X		X
	leveling ¹	X	X		X
	bedding ¹				
	plowing ¹		X	X	X
Cultivation and planting					
	disc/harrow ¹	X	X	X	X
	drill/plug ¹				
	seeding	X	X	X	X
Fertilization					
	cover crop ¹	X	X	X	X
	ground app.	X	X	X	X
	air app. ¹				
	water app.	X	X	X	X
Irrigation					
	furrow ¹	X	X		X
	flood	X	X		X
	pressure (sprinkler/drip)	X	X		X
Spraying/pesticide use					
	herbicide	X	X	X	X
	insecticide	X	X	X	X
	fungicide	X	X	X	X
	fumigants ¹				

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting ¹	X	X	X	
	picking	X	X	X	
	digging ¹				
	combining ¹				
Pruning					
	hand ¹			X	X
	mechanical ¹			X	X
Residue Mgmt.					
	burning ¹	X	X	X	X
	grinding ¹		X	X	X
	chipping ¹		X	X	X
	chopping	X	X	X	X
	baling ¹				

¹Implementation of practice occurs at different times of year depending on conditions and management.

Crop Type: Organic Vegetables, Melons, and Berries

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X	X when dry	X
	deep rip				
	shallow rip ¹	X	X	X	X
	grade	X	X		X
	leveling	X	X		X
	bedding	X	X	X when dry	X
	plowing ¹		X		
Cultivation and planting					
	disc/harrow	X	X	X	X
	drill/plug	X	X	X	X
	seeding	X		X	X
Fertilization					
	cover crop ¹	X	X	X	X
	ground app.	X	X	X	X
	air app. ¹				
	water app.	X			X
Irrigation					
	furrow ¹	X	X		X
	flood	X sudan			X sudan
	pressure (sprinkler/drip)	X sudan	X	X	
Spraying/pesticide use					
	herbicide				
	insecticide	X	X	X	X
	fungicide ¹			X	
	fumigants ¹				

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
Harvesting					
	cutting	X	X	X	X
	picking ¹	X	X	X	X
	digging ¹	X	X	?X	X
Pruning					
	hand ¹				
	mechanical ¹				
Residue Mgmt.					
	burning ¹				
	grinding ¹				
	chipping ¹				
	chopping ¹	X	X	X	X
	baling		X		
Other					
	discing?	X	X	X	X

¹Implementation of practice occurs at different times of year depending on conditions and management.