

Appendix M  
**Yolo County Agricultural Practices**

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This appendix provides additional information on routine agricultural practices in Yolo County. 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. Section M-1 lists the agriculture-related activities on Reserve System lands. Other than pesticide use, the activities in Section M-1 are covered activities for lands in the Reserve System, as described in Chapter 3, *Covered Activities*. Section M-2 lists additional agriculture-related activities that may occur on lands enrolled in the Neighboring Landowner Protection Program as described in Section 3.5.6, *Neighboring Landowners Protection Program*.

## Section M-1: Agricultural Activities with the Yolo HCP/NCCP Reserve System

Section M-1 lists the routine agriculture-related activities on Reserve System lands. Other than pesticide use, the activities in Section M-1 are covered agricultural activities for lands in the Reserve System, as described in Chapter 3, *Covered Activities*.

### Crop Type: Alfalfa

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X		
	deep rip	X	X		
	shallow rip		X		
	grade	X	X		
	leveling	X	X		
	bedding	X	X		
	plowing		X		
Cultivation and planting					
	disc/harrow		X		
	drill/plug		X		X
	seeding		X		X
Fertilization					
	cover crop				
	ground app.	X	X		X
	air app.				
	water app.		X		
Irrigation					
	furrow <sup>1</sup>				

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
	flood	X	X		
	pressure (sprinkler/drip)		X		X
	canal maintenance				
Spraying/pesticide use (although pesticides are allowed on cultivated lands in the reserve system if necessary, pesticide use is not a Covered Activity under the Yolo HCP/NCCP, therefore pesticide use cannot result in take of state or federally listed species.)					
	herbicide	X	X	X	X
	insecticide	X			X
	fungicide				
	fumigants	X pre-replant	X pre-replant	X pre-replant	X pre-replant
<b>Harvesting</b>					
	cutting	X	X		X
	picking				
	digging				
	combining				
<b>Pruning</b>					
	hand				
	mechanical				
<b>Residue Management</b>					
	burning				
	grinding				
	chipping				
	chopping		X	X	X
	baling	X	X		X

<sup>1</sup>Implementation of practice may occur at different times of year depending on conditions and management.

**Crop Type: Field (“Row”) Crops**

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
<b>Ground Prep: Pre-planting and Post-harvesting</b>					
	disc	X	X	X when dry	X
	deep rip	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		X		
<b>Cultivation and planting</b>					
	disc/harrow	X	X sugar beets	X	X
	drill/plug	X	X sugar beets	X	X
	seeding	X	X	X	X
<b>Fertilization</b>					
	cover crop		X	X	X
	ground app.	X	X sugar beets		X
	air app.	X	X		X
	water app.	X	X		X
<b>Irrigation</b>					
	furrow	X	X		X
	flood	X sudan			X sudan
	pressure (sprinkler/drip)	X	X		X
	canal maintenance				
<b>Spraying/pesticide use (although pesticides are allowed on cultivated lands in the reserve system if necessary, pesticide use is not a Covered Activity under the Yolo HCP/NCCP, therefore pesticide use cannot result in take of state or federally listed species)</b>					
	herbicide	X	X	X beds	X
	insecticide	X	X		X
	fungicide	X	X sugar beets	X	X

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
	fumigants				
<b>Harvesting</b>					
	cutting	X	X		X
	picking	X	X		
	digging	X	X	X	
	combining	X	X		
<b>Pruning</b>					
	hand				
	mechanical				
<b>Residue Management</b>					
	burning	X	X		X
	grinding				
	chipping				
	chopping	X	X		X
	baling	X	X		
<b>Other</b>					
	discing	X	X	X	X

<sup>1</sup>Implementation of practice may occur at different times of year depending on conditions and management.

**Crop Type: Oat Hay (“Pasture”) Crops**

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
<b>Ground Prep: Pre-planting and Post-harvesting</b>					
	disc	X	X		
	deep rip				
	shallow rip	X			
	grade				
	leveling		X		
	bedding				
	plowing	X	X		
<b>Cultivation and planting</b>					
	disc/harrow	X	X		X
	drill/plug		X		
	seeding		X		
<b>Fertilization</b>					
	cover crop				X
	ground app.		X	X	X
	air app.		X	X	X
	water app.		X		X
<b>Irrigation</b>					
	furrow		X	X	X
	flood		X	X	X
	pressure (sprinkler/drip)		X	X	X
	canal maintenance				
<b>Spraying/pesticide use (although pesticides are allowed on cultivated lands in the reserve system if necessary, pesticide use is not a Covered Activity under the Yolo HCP/NCCP, therefore pesticide use cannot result in take of state or federally listed species)</b>					
	herbicide		X	X	X
	insecticide			X	X
	fungicide			X	X
	fumigants				

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
<b>Harvesting</b>					
	cutting				X
	picking				
	digging				
	combining				
<b>Pruning</b>					
	hand				
	mechanical <sup>1</sup>				
<b>Residue Management</b>					
	burning	X			X
	grinding				
	chipping				
	chopping				X
	baling				X

<sup>1</sup>Implementation of practice may occur at different times of year depending on conditions and management.

**Crop Type: Rice**

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
<b>Ground Prep: Pre-planting and Post-harvesting</b>					
	disc	X	X	X	X
	deep rip	X			
	shallow rip	X	X	X	X
	grade	X	X	X	X
	leveling	X if fallow	X	X	X
	bedding				
	plowing		X		X
<b>Cultivation and planting</b>					
	disc/harrow		X		X
	drill/plug				X
	seeding	X early April, May and June			X
<b>Fertilization</b>					
	cover crop		X	X	
	ground app.	X early June			X
	air app.	X	X		X
	water app.				
<b>Irrigation</b>					
	furrow	X	X		
	flood	X	X	X	X
	pressure (sprinkler/drip)				
	canal maintenance				
<b>Spraying/pesticide use (although pesticides are allowed on cultivated lands in the reserve system if necessary, pesticide use is not a Covered Activity under the Yolo HCP/NCCP, therefore pesticide use cannot result in take of state or federally listed species)</b>					
	herbicide	X	X tule on checks	X	X
	insecticide	X			X
	fungicide	X			X
	fumigants	X stem rot			



Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
<b>Harvesting</b>					
	cutting				
	picking				
	digging				
	combining	X	X		
<b>Pruning</b>					
	hand				
	mechanical				
<b>Residue Management</b>					
	burning		X	X	
	grinding		X	X	X
	chipping				
	chopping		X	X	X
	baling		X		

<sup>1</sup>Implementation of practice may occur at different times of year depending on conditions and management.

**Crop Type: Tomatoes**

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
<b>Ground Prep: Pre-planting and Post-harvesting</b>					
	Disc	X	X	X dry	X
	deep rip	X	X	X dry	X
	shallow rip <sup>1</sup>	X	X	X dry	X
	grade <sup>1</sup>	X	X	X dry	X
	Leveling	X	X	X dry	X
	Bedding	X	X	X dry	X
	plowing <sup>1</sup>		X		X
<b>Cultivation and planting</b>					
	disc/harrow <sup>1</sup>				X
Transplants	drill/plug	Early summer			X
	seeding <sup>1</sup>				X
<b>Fertilization</b>					
	cover crop <sup>1</sup>		X	X	
	ground app.	X			X
	air app. <sup>1</sup>	X			X
	water app.	X			X
<b>Irrigation</b>					
	furrow	X			X
	flood <sup>1</sup>				
	pressure (sprinkler/drip)	X			X
	canal maintenance				
<b>Spraying/pesticide use (although pesticides are allowed on cultivated lands in the reserve system if necessary, pesticide use is not a Covered Activity under the Yolo HCP/NCCP, therefore pesticide use cannot result in take of state or federally listed species)</b>					
	herbicide	X	X	X	X
	insecticide	X			X
	fungicide	X			X
	fumigants <sup>1</sup>				X

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
<b>Harvesting</b>					
	cutting				
	picking	X	X Early fall		
	digging				
	combining				
<b>Pruning</b>					
	hand				
	mechanical				
<b>Residue Management</b>					
	burning				
	grinding				
	chipping				
	chopping		X		
	baling				

<sup>1</sup>Implementation of practice may occur 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
<b>Ground Prep: Pre-planting and Post-harvesting</b>					
	disc	X	X	X when dry	X
	deep rip				
	shallow rip	X	X	X	X
	grade	X	X		X
	leveling	X	X		X
	bedding	X	X	X when dry	X
	plowing <sup>1</sup>		X		
<b>Cultivation and planting</b>					
	disc/harrow	X	X	X	X
	drill/plug	X	X	X	X
	seeding	X		X	X
<b>Fertilization</b>					
	cover crop	X	X	X	X
	ground app.	X	X	X	X
	air app.				
	water app.	X			X
<b>Irrigation</b>					
	furrow	X	X		X
	flood	X sudan			X sudan
	pressure (sprinkler/drip)	X sudan	X	X	
	canal maintenance				
<b>Spraying/pesticide use (although pesticides are allowed on cultivated lands enrolled in the Neighboring Landowner Program if necessary, pesticide use is not a Covered Activity under the Yolo HCP/NCCP, therefore pesticide use cannot result in take of state or federally listed species.)</b>					
	herbicide				
	insecticide	X	X	X	X
	fungicide			X	
	fumigants				

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
<b>Harvesting</b>					
	cutting	X	X	X	X
	picking	X	X	X	X
	digging	X	X	X	X
<b>Pruning</b>					
	hand				
	mechanical				
<b>Residue Management</b>					
	burning				
	grinding				
	chipping				
	chopping	X	X	X	X
	baling		X		
<b>Other</b>					
	discing	X	X	X	X

<sup>1</sup>Implementation of practice may occur at different times of year depending on conditions and management.

## Section M-2: Additional Activities on Lands Enrolled in the Neighboring Landowners Protection Program

Section M-2 lists the additional [routine agricultural practices on land enrolled in the Neighboring Landowner Protection Program](#). The activities in Sections M-1 and M-2 are covered agricultural activities for [lands enrolled in the Neighboring Landowner Protection Program as described in Section 3.5.6.](#)

### Crop Type: Almonds

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
Ground Prep: Pre-planting and Post-harvesting					
	disc	X	X	X	X
	deep rip	X	X	X	X
	shallow rip	X	X	X	X
	grade	X	X	X	X
	leveling	X	X	X	X
	bedding	X	X	X	X
	plowing				
Cultivation and planting					
	disc/harrow	X	X	X	X
	drill/plug				
	seeding				
Fertilization					
	cover crop	X	X	X	X
	ground app.	X	X	X	X
	air app.	X	X		X
	water app.	X			X
Irrigation					
	furrow	X	X	X	X
	flood		X	X	X
	pressure (sprinkler/drip)	X	X	X	X
	canal maintenance				
Spraying/pesticide use (although pesticides are allowed on cultivated lands enrolled in the Neighboring Landowner Program if necessary, pesticide use is not a Covered Activity under the Yolo HCP/NCCP, therefore pesticide use cannot result in take of state or federally listed species.)					

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
	herbicide	X	X	X	X
	insecticide	X	X	X	X
	fungicide	X		X	X
	fumigants		X	X	
<b>Harvesting</b>					
	cutting				
	picking	X	X		
	digging				
	combining				
<b>Pruning</b>					
	hand	X	X	X	X
	mechanical	X	X	X	X
<b>Residue Management</b>					
	burning	X	X	X	X
	grinding	X	X	X	X
	chipping	X	X	X	X
	chopping	X	X	X	X
	baling				
<b>Other</b>					
	mowing	X	X	X	X

<sup>1</sup>Implementation of practice occurs at different times of year depending on conditions and management.

**Crop Type: Deciduous Fruits**

Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
<b>Ground Prep: Pre-planting and Post-harvesting</b>					
	disc	X	X		X
	deep rip	X	X		X
	shallow rip	X	X		X
	grade	X	X		X
	leveling	X	X		X
	bedding				
	plowing				
<b>Cultivation and planting</b>					
	disc/harrow	X	X		X
	drill/plug				
	seeding <sup>1</sup>	X	X		X
<b>Fertilization</b>					
	cover crop		X	X	
	ground app.	X	X		X
	air app.	X			X
	water app.	X	X		X
<b>Irrigation</b>					
	furrow	X	X		X
	flood	X	X		X
	pressure (sprinkler/drip)	X	X		X
	canal maintenance				
<b>Spraying/pesticide use (although pesticides are allowed on cultivated lands enrolled in the Neighboring Landowner Program if necessary, pesticide use is not a Covered Activity under the Yolo HCP/NCCP, therefore pesticide use cannot result in take of state or federally listed species.)</b>					
	herbicide	X	X	X	X
	insecticide	X	X		X
	fungicide	X	X	X	X
	fumigants	X	X	X	X



Agricultural Activity	Practices	Seasonal Timing <sup>1</sup>			
		Summer	Fall	Winter	Spring
<b>Harvesting</b>					
	cutting				
	picking	X	Oct.		X
	digging				
	combining				
<b>Pruning</b>					
	hand	X	X	X	X
	mechanical	X	X	X	X
<b>Residue Management</b>					
	burning	X	X	X	X
	grinding	X	X	X	X
	chipping	X	X	X	X
	chopping	X	X	X	X
	baling				

<sup>1</sup>Implementation of practice may occur at different times of year depending on conditions and management.

**Crop Type: Walnuts**

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
<b>Ground Prep: Pre-planting and Post-harvesting</b>					
	disc	X	X	X	X
	deep rip	X	X	X	
	shallow rip	X	X	X	
	grade	X	X	X	X
	leveling	X	X	X	X
	bedding tree-removal	X	X	X	X
	plowing	X	X		
	fumigating	X	X	X	X
<b>Cultivation and planting</b>					
	disc/harrow	X	X	X	X
	drill/plug/dig			X	X
	seeding				
<b>Fertilization</b>					
	cover crop	X	X	X	X
	ground app.	X	X	X	X
	air app.	X	X	X	X
	water app.	X	X	X	X
<b>Irrigation</b>					
	furrow	X	X	X	X
	flood	X	X	X	X
	pressure (sprinkler/drip)	X	X	X	X
	canal maintenance				
<b>Spraying/pesticide use (although pesticides are allowed on cultivated lands enrolled in the Neighboring Landowner Program if necessary, pesticide use is not a Covered Activity under the Yolo HCP/NCCP, therefore pesticide use cannot result in take of state or federally listed species.)</b>					
	herbicide	X	X	X	X
	insecticide by air	X	X	X	X
	fungicide by air			X	X
	fumigants		X	X	X

Agricultural Activity	Practices	Seasonal Timing			
		Summer	Fall	Winter	Spring
<b>Harvesting</b>					
	cutting				
	picking		X	X	
	digging				
	combining				
<b>Pruning</b>					
	hand	X	X	X	X
	mechanical	X	X	X	X
<b>Residue Management</b>					
	burning	X	X	X	X
	grinding	X	X	X	X
	chipping	X	X	X	X
	chopping	X	X	X	X
	Baling				

<sup>1</sup>Implementation of practice may occur at different times of year depending on conditions and management.