

APPENDIX B: Approved Management Practices

Management practices approved for ARI grant funding are aligned with those eligible under the California Department of Food and Agriculture’s Healthy Soils Program and quantifiable under the US Department of Agriculture’s Natural Resources Conservation Service (NRCS) [COMET Planner](#) online tool.

COMET Planner quickly evaluates the potential carbon sequestration and greenhouse gas reductions from adopting NRCS conservation practices, standardized through Conservation Practice Standards (CPS). Each ARI grant must be implemented following the CPS assigned to each practice.

There are currently 27 different eligible practices and many can be implemented concurrently. Some are annual practices, like compost application or cover-cropping, and some are perennial improvements, like planting woody plants as a hedgerow. The practices are categorized below by type of agricultural land

Additional information on these practices can be found by clicking the hyperlinks for each practice below, using the online [COMET Planner](#) tool, and in Appendix D (CA Healthy Soils Program Implementation Guidelines).

Grazing Lands

	Practice	Initial Implementation Timeline⁷	Estimated Sequestration Timeline⁸
1.	Compost Application*	1 - 3 years	1 - 3 years
2.	Hedgerow Planting	18 months	10 years
3.	Prescribed Grazing*	1 - 3 years	1 - 3 years
4.	Range Planting	18 months	10 years
5.	Riparian Forest Buffer	18 months	10 years
6.	Silvopasture	18 months	10 years
7.	Tree/Shrub Establishment	18 months	10 years
8.	Windbreak/Shelterbelt Establishment	18 months	10 years

* Denotes annual practices, which may be proposed to recur for up to three years.

⁷ This is the initial window of time for the practice to be implemented.

⁸ This is the number of years used to estimate carbon sequestration for each practice.

Annual Cropland

	Practice	Initial Implementation Timeline⁹	Estimated Sequestration Timeline¹⁰
1.	Alley Cropping	18 months	10 years
2.	Conservation Cover	18 months	3 years
3.	Compost Application*	1 - 3 years	1 - 3 years
4.	Conservation Crop Rotation*	1 - 3 years	1 - 3 years
5.	Contour Buffer Strips	18 months	3 years
6.	Cover Crop*	1 - 3 years	1 - 3 years
7.	Field Border	18 months	3 years
8.	Filter Strip	18 months	3 years
9.	Forage and Biomass Planting	18 months	3 years
10.	Grassed Waterway	18 months	3 years
11.	Hedgerow Planting	18 months	10 years
12.	Herbaceous Wind Barriers	18 months	3 years
13.	Mulching*	1 - 3 years	1 - 3 years
14.	Multistory Cropping	18 months	10 years
15.	Nutrient Management*	1 - 3 years	1 - 3 years
16.	No-Till*	1 - 3 years	1 - 3 years
17.	Reduced-Till*	1 - 3 years	1 - 3 years
18.	Riparian Forest Buffer	18 months	10 years
19.	Riparian Herbaceous Cover	18 months	3 years
20.	Strip-Cropping	18 months	3 years
21.	Tree/Shrub Establishment	18 months	10 years
22.	Vegetative Barriers	18 months	3 years
23.	Windbreak/Shelterbelt Establishment	18 months	10 years

* Denotes annual practices, which may be proposed to recur for up to three years.

⁹ This is the initial window of time for the practice to be implemented.

¹⁰ This is the number of years used to estimate carbon sequestration for each practice.

Perennial Cropland (i.e. Orchards and Vineyards)

	Practice	Initial Implementation Timeline¹¹	Estimated Sequestration Timeline¹²
1.	Compost Application*	1 - 3 years	1 - 3 years
2.	Conservation Cover	18 months	3 years
3.	Cover Crop*	1 - 3 years	1 - 3 years
4.	Filter Strip	18 months	3 years
5.	Hedgerow Planting	18 months	10 years
6.	Mulching*	1 - 3 years	1 - 3 years
7.	Nutrient Management*	1 - 3 years	1 - 3 years
8.	No-Till*	1 - 3 years	1 - 3 years
9.	Reduced-Till*	1 - 3 years	1 - 3 years
10.	Whole Orchard Recycling	18 months	3 years
11.	Windbreak/Shelterbelt Establishment	18 months	10 years

* Denotes annual practices, which may be proposed to recur for up to three years.

¹¹ This is the initial window of time for the practice to be implemented.

¹² This is the number of years used to estimate carbon sequestration for each practice.