

Appendix 1. Table shows Environmental Quality Incentives Program (EQIP) drought-related conservation practices and their Conservation Practice Physical Effects (CPPE) values. The CPPE is a ranking system that provides a relative value, ranging from negative 5 to positive 5 (highest value), indicating the effect of a particular conservation practice on a resource concern. Positive values indicate positive effects or improvements on the resource concern, whereas negative values indicate adverse effects on the resource, and a value of zero indicates no effect. A ranking of values greater than 2 was determined as an adequate ranking for the Caribbean agricultural landscape. The 'X' indicates the resource concern category under which the practice falls based on their CPPE valuation >2.

Practice	Water availability	Inefficient moisture management	Inefficient use of irrigation water	Inadequate livestock water	Soil health	Wind erosion	Organic matter depletion	Plant health	Undesirable plant productivity and health	Inadequate feed and forage
1. Access Control	x	3	0	0		1	1	x	3	3
2. Alley Cropping	x	0	3	0	x	5	5	x	5	1
3. Brush Management		2	0	0		1	0	x	2	4
4. Conservation Crop Rotation		2	2	0	x	4	4	x	4	2
5. Cover Crop		2	1	0	x	4	2		2	2
6. Critical Area Planting		0	0	0	x	5	5	x	5	0
7. Fence		0	0	0		0	0	x	2	3
8. Field Border		0	0	0	x	4	4	x	5	0
9. Filter Strip		0	0	0	x	0	5	x	5	0
10. Firebreak		0	0	0		-1	-2	x	3	0
11. Forage and Biomass Planting		0	0	0		1	1	x	1	5
12. Grassed Waterway		0	0	0	x	0	3	x	5	1
13. Grazing Land Mechanical Treatment		2	0	0		1	1	x	4	1
14. Herbaceous Weed Control		0	2	0	x	4	0	x	2	4
15. Herbaceous Wind Barriers	x	3	0	0	x	4	2		2	0
16. Integrated Pest Management (IPM)		0	0	0	x	3	2		0	0
17. Irrigation Reservoir	x	0	2	4		0	0		2	0
18. Irrigation System, Microirrigation		0	2	0		0	0	x	2	4
19. Irrigation Water Management		0	2	0		2	1	x	2	4
20. Livestock Pipeline	x	0	0	5		0	0		2	0
21. Mulching		2	2	0	x	4	2		2	0
22. Multi-Story Cropping		0	0	0	x	1	5	x	5	0
23. Nutrient Management		0	0	2		0	2	x	2	4
24. Pond	x	2	2	5		0	0		2	0
25. Pond Sealing or Lining, Flexible Membrane	x	2	2	4		0	0		1	0
26. Prescribed Grazing		2	0	0	x	4	4	x	5	5
27. Pumping Plant	x	2	2	5		0	0		2	0
28. Residue and Tillage Management, No-Till		2	2	0	x	4	2		2	0
29. Residue and Tillage Management, Reduced Till		2	1	0	x	4	2		2	0
30. Residue Management, No-Till/Strip Till		2	2	0	x	4	2		2	0
31. Riparian Forest Buffer		0	0	0	x	2	4	x	5	0
32. Roof Runoff Structure	x	3	0	2		0	0		0	0
33. Row Arrangement	x	4	4	0		1	1		1	0
34. Silvopasture Establishment		2	0	0	x	3	3	x	5	3
35. Spring Development	x	2	2	5		0	0		2	2
36. Sprinkler System	x	0	5	0		2	0	x	2	4
37. Streambank and Shoreline Protection		0	0	0		0	0	x	4	1
38. Tree/Shrub Establishment		1	0	0	x	5	4	x	5	0
39. Tree/Shrub Pruning		0	0	0		0	1	x	5	0
40. Tree/Shrub Site Preparation		2	0	0		-1	-2	x	5	0
41. Waste Recycling		2	2	0		1	2	x	2	4
42. Water Well	x	0	2	5		2	0		1	2
43. Watering Facility	x	0	0	5		2	0		2	2
44. Windbreak/Shelterbelt Renovation	x	3	5	0	x	5	4	x	5	1