

## Appendix B: Eligible (Direct) On-Farm Water Management Program Practices

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| <b>Irrigation Pipeline (430)</b>                        | Definition       | A water pipeline and associated components for use in irrigation  |
|   | Project examples | Main or secondary lines to deliver irrigation water to produce crops.   |
|   | Publication Link | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation_Pipeline_430_NHCP_CPS_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation Pipeline 430 NHCP CPS 2020.pdf</a>                                 |
| <b>Irrigation Reservoir (436)</b>                       | Definition       | An irrigation system that is designed for small, efficient applications of water to crops to improve the overall efficiency to irrigation   |
|   | Project Examples | Lined recovery or containment area to hold captured storm runoff and contain irrigation return water that has traveled through production areas and could contain chemical and biological contaminants.                                       |
|   | Publication Link | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation_Reservoir_436_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation Reservoir 436 CPS 9 2020.pdf</a>                                     |
| <b>Irrigation System, Microirrigation (441)</b>         | Definition       | An irrigation system that is designed for small, efficient applications of water to crops to improve overall efficiency of irrigation   |
|   | Project Examples | A low pressure, low volume irrigation system that applies water only to the plant root zone and saves water through high application efficiency and water distribution uniformity.  |
|   | Publication Link | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation_System_Microirrigation_441_NHCP_CPS_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation System Microirrigation 441 NHCP CPS 2020.pdf</a>     |
| <b>Irrigation System, Surface, and Subsurface (443)</b> | Definition       | A comprehensive irrigation system designed to address above and below ground irrigation practices to improve efficiency   |
|   | Project Examples | Center pivot, subsurface drip, drip tape  |
|   | Publication Link | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation_System_Surface_And_Subsurface_443_NHCP_CPS.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation System Surface And Subsurface 443 NHCP CPS.pdf</a> |
| <b>Irrigation Water Management (449)</b>                | Definition       | The process of fine tuning an irrigation system to optimize water use efficiency.   |
|   | Project Examples | Practices or technologies that increase irrigation efficiency/reduce runoff; variable rates of delivery facilitated by: soil moisture monitoring, GIS based irrigation application, remote sensing (drones).                                  |
|   | Publication Link | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation_Water_Management_449_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation Water Management 449 CPS 9 2020.pdf</a>                       |
| <b>Spring Development (574)</b>                         | Definition       | Harvesting water from a spring or other shallow groundwater source for beneficial use.  |
|   | Publication Link | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-10/Spring_Development_574_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-10/Spring Development 574 CPS 9 2020.pdf</a>   |
| <b>Sprinkler System (442)</b>                           | Definition       | A water application system that consists of nozzles and pipeline operating under pressure.  |
|   | Project Examples | Small-scale water application by sprinkler for vegetable plot irrigation.   |
|   | Publication Link | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-10/Sprinkler_System_442_NHCP_CPS_2021.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-10/Sprinkler System 442 NHCP CPS 2021.pdf</a>                                       |

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| <b>Stormwater Runoff Control (570)</b>  | Definition       | The management of rainwater by means of gutters, pipes, and diversions to manage the quality and quantity of stormwater runoff.   |
|   | Project Examples | Detention basins to reduce runoff with dual purpose as a water supply for irrigation; diversion of surplus runoff to existing ponds to keep water on the farm.  |
|   | Publication Link | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-10/Stormwater_Runoff_Control_570_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-10/Stormwater_Runoff_Control_570_CPS_9_2020.pdf</a>         |
| <b>Variable Rate Nozzles</b>            | Definition       | A spray system for apply agrochemicals or water that features an adjustable flow/application rate based on known or assumed parameters of the application environment.  |
| <b>Water Harvesting Catchment (636)</b> | Definition       | A collection and storage structure for harvested water.   |
|   | Project Example  | Creating an impervious surface to capture runoff (includes roof structures).  |
|   | Publication Link | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-10/Water_Harvesting_Catchment_636_NHCP_CPS_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-10/Water_Harvesting_Catchment_636_NHCP_CPS_2020.pdf</a> |

## Appendix C: Complimentary (Indirect) Water Management Practices

| Practice Title (NRCS Conservation Code)                     | Guidelines  |
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| Access Control (472)  | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-08/Access_Control_472_CPS_Oct_2017.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-08/Access_Control_472_CPS_Oct_2017.pdf</a>             |
| Access Road (560)   | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-08/Access_Road_560_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-08/Access_Road_560_CPS_9_2020.pdf</a>                       |
| Agricultural Water Quality Plan                             | <a href="https://soilandwater.ca.uky.edu/awq">https://soilandwater.ca.uky.edu/awq</a>   |
| Building a Grade Stabilization Structure to Control Erosion | <a href="https://publications.ca.uky.edu/sites/publications.ca.uky.edu/files/aen100.pdf">https://publications.ca.uky.edu/sites/publications.ca.uky.edu/files/aen100.pdf</a>                                   |
| Composting Facility (317)                                   | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Composting_Facility_317_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Composting_Facility_317_CPS_9_2020.pdf</a>       |
| Conservation Cover (327)                                    | <a href="https://www.nrcs.usda.gov/sites/default/files/2024-06/327-nhcp-cps-conservation-cover-2024.pdf">https://www.nrcs.usda.gov/sites/default/files/2024-06/327-nhcp-cps-conservation-cover-2024.pdf</a>   |
| Conservation Crop Rotation (328)                            | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Conservation_Crop_Rotation_328_CPS.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Conservation_Crop_Rotation_328_CPS.pdf</a>       |
| Conservation Plan   | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-10/FY23_CPA%20199_Conservation%20Plan.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-10/FY23_CPA%20199_Conservation%20Plan.pdf</a>       |
| Constructed Wetland (656)                                   | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Constructed_Wetland_656_NHCP_CPS_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Constructed_Wetland_656_NHCP_CPS_2020.pdf</a> |
| Contour Buffer Strips (332)                                 | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Contour_Buffer_Strips_332_CPS_9-14.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Contour_Buffer_Strips_332_CPS_9-14.pdf</a>       |
| Contour Farming (330)                                       | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Contour_Farming_330_CPS_Oct_2017.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Contour_Farming_330_CPS_Oct_2017.pdf</a>           |
| Controlled Traffic Farming (334)                            | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Controlled_Traffic_Farming_334_CPS.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Controlled_Traffic_Farming_334_CPS.pdf</a>       |
| Cover Crop (340)  | <a href="https://www.nrcs.usda.gov/sites/default/files/2024-06/340-nhcp-cps-cover-crop-2024.pdf">https://www.nrcs.usda.gov/sites/default/files/2024-06/340-nhcp-cps-cover-crop-2024.pdf</a>                   |
| Critical Area Planting (342)                                | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Critical_Area_Planting_342_CPS.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Critical_Area_Planting_342_CPS.pdf</a>               |

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| Deep Tillage (324)                                       | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-11/324-NHCP-CPS-Deep-Tillage.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-11/324-NHCP-CPS-Deep-Tillage.pdf</a>   |
| Denitrifying Bioreactor (605)                            | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Denitrifying_Bioreactor_605_NHCP_CPS_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Denitrifying_Bioreactor_605_NHCP_CPS_2020.pdf</a>                                 |
| Diversion (362)  | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Diversion_362_NHCP_CPS_2022.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Diversion_362_NHCP_CPS_2022.pdf</a>   |
| Drainage Water Management (554)                          | <a href="https://www.nrcs.usda.gov/sites/default/files/2023-08/554_NHCP_CPS_Drainage_Water_Management_2023.pdf">https://www.nrcs.usda.gov/sites/default/files/2023-08/554_NHCP_CPS_Drainage_Water_Management_2023.pdf</a>                             |
| Dry Hydrant (432)  | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Dry_Hydrant_432_NHCP_CPS_2021.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Dry_Hydrant_432_NHCP_CPS_2021.pdf</a>   |
| Farmstead Energy Improvement (374)                       | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Energy_Efficient_Agricultural_Operation_374_NHCP_CPS_2021.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Energy_Efficient_Agricultural_Operation_374_NHCP_CPS_2021.pdf</a> |
| Field Border (386)                                       | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Field_Border_386_CPS.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Field_Border_386_CPS.pdf</a>   |
| Filter Strip (393)                                       | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Filter_Strip_393_CPS.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Filter_Strip_393_CPS.pdf</a>   |
| Grade Stabilization Structure (410)                      | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Grade_Stabilization_Structure_410_CPS_10_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Grade_Stabilization_Structure_410_CPS_10_2020.pdf</a>                         |
| Grassed Waterway (412)                                   | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Grassed_Waterway_412_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Grassed_Waterway_412_CPS_9_2020.pdf</a>   |
| Heavy Use Area Protection (561)                          | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Heavy_Use_Area_Protection_561_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Heavy_Use_Area_Protection_561_CPS_9_2020.pdf</a>                                   |
| Hillside Ditch (423)                                     | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Hillside_Ditch_423_NHCP_CPS_2022.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Hillside_Ditch_423_NHCP_CPS_2022.pdf</a>   |
| Irrigation Land Leveling (464)                           | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation_Land_Leveling_464_CPS_10_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Irrigation_Land_Leveling_464_CPS_10_2020.pdf</a>                                   |
| Kentucky Forest Stewardship Program                      | <a href="https://eec.ky.gov/Natural-Resources/Forestry/forest-stewardship-program-and-landowner-services/Pages/default.aspx">https://eec.ky.gov/Natural-Resources/Forestry/forest-stewardship-program-and-landowner-services/Pages/default.aspx</a>   |
| Kentucky Nutrient Management Planning Guidelines (KyNMP) | <a href="https://publications.ca.uky.edu/sites/publications.ca.uky.edu/files/ID211.pdf">https://publications.ca.uky.edu/sites/publications.ca.uky.edu/files/ID211.pdf</a>   |
| Mulching (484)   | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Mulching_CPS_484_Oct_2017.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Mulching_CPS_484_Oct_2017.pdf</a>   |
| Nutrient Management (590)                                | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Nutrient_Management_590_NHCP_CPS_2017.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Nutrient_Management_590_NHCP_CPS_2017.pdf</a>   |
| Residue and Tillage Management, no-till (329)            | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Residue_And_Tillage_Management_No_Till_329_CPS_0.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Residue_And_Tillage_Management_No_Till_329_CPS_0.pdf</a>                   |
| Residue and Tillage Management, reduced till (345)       | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Residue_And_Tillage_Management_Reduced_Till_345_CPS.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Residue_And_Tillage_Management_Reduced_Till_345_CPS.pdf</a>             |
| Riparian Forest Buffer (391)                             | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Riparian_Forest_Buffer_391_CPS_10_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Riparian_Forest_Buffer_391_CPS_10_2020.pdf</a>                                       |
| Roof Runoff Structure (558)                              | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Roof_Runoff_Structure_558_NHCP_CPS_2021.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Roof_Runoff_Structure_558_NHCP_CPS_2021.pdf</a>                                     |
| Roofs and Covers (367)                                   | <a href="https://www.nrcs.usda.gov/sites/default/files/2023-04/367-NHCP-CPS-Roofs-and-Covers-2023.pdf">https://www.nrcs.usda.gov/sites/default/files/2023-04/367-NHCP-CPS-Roofs-and-Covers-2023.pdf</a>   |
| Saturated Buffer (604)                                   | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Saturated_Buffer_604_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Saturated_Buffer_604_CPS_9_2020.pdf</a>   |

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| Sediment Basin (350)                   | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-09/Sediment-Basin_350_CPS-May-2016.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-09/Sediment-Basin_350_CPS-May-2016.pdf</a>   |
| Stripcropping (585)                    | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-10/Stripcropping_585_CPS_Oct_2017.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-10/Stripcropping_585_CPS_Oct_2017.pdf</a>   |
| Structure for Water Control (587)      | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-10/Structure_for_Water_Control_587_CPS_Oct_2017.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-10/Structure for Water Control 587 CPS Oct 2017.pdf</a>                                 |
| Tailwater Recovery (447)               | <a href="https://www.nrcs.usda.gov/sites/default/files/2023-04/447-NHCP-CPS-Irrigation-and-Drainage-Tailwater-Recovery-2023.pdf">https://www.nrcs.usda.gov/sites/default/files/2023-04/447-NHCP-CPS-Irrigation-and-Drainage-Tailwater-Recovery-2023.pdf</a> |
| Terrace (600)                          | <a href="https://www.nrcs.usda.gov/sites/default/files/2023-08/600_NHCP_CPS_Terrace_2023.pdf">https://www.nrcs.usda.gov/sites/default/files/2023-08/600_NHCP_CPS_Terrace_2023.pdf</a>   |
| Trails and Walkways (575)              | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-10/Trails_and_Walkways_575_CPS_9_2020.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-10/Trails and Walkways 575 CPS 9 2020.pdf</a>   |
| Tree/Shrub Establishment (612)         | <a href="https://www.nrcs.usda.gov/sites/default/files/2023-08/612_NHCP_CPS_Tree-Shrub_Establishment_2023.pdf">https://www.nrcs.usda.gov/sites/default/files/2023-08/612_NHCP_CPS_Tree-Shrub_Establishment_2023.pdf</a>                                     |
| Vegetated Treatment Area (635)         | <a href="https://www.nrcs.usda.gov/sites/default/files/2022-10/Vegetated_Treatment_Area_635_NHCP_CPS_2021.pdf">https://www.nrcs.usda.gov/sites/default/files/2022-10/Vegetated Treatment Area 635 NHCP CPS 2021.pdf</a>                                     |
| Water and Sediment Control Basin (638) | <a href="https://www.nrcs.usda.gov/sites/default/files/2023-08/638_NHCP_CPS_Water_and_Sediment_Control_Basin_2023.pdf">https://www.nrcs.usda.gov/sites/default/files/2023-08/638_NHCP_CPS_Water_and_Sediment_Control_Basin_2023.pdf</a>                     |