The conservation practices and associated details in this document are applicable to fiscal year 2020 contracts.

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**NOTE:** Payment rates listed represent the standard unit payment rate for the scenario. Refer to the EQIP cost list for the Historically Underserved (Beginning Farmer or Rancher, Socially Disadvantaged and Limited Resource Farmer) payment rates. Historically Underserved are ***generally*** 15% higher than the regular payment rate.

General EQIP includes: Cropland, Pastureland, Forestland, Confined Livestock, Historically Underserved (BFR, LRF, SD)

EQIP Specialty Crop includes: Specialty Crops, Orchards and Vineyards

Organic Initiative includes: Certified, Transitioning or Exempt from Certification

Wildlife Habitat Fund Pools include: General Wildlife, Pollinators, Invasive Species Treatment & WLFW 2.0 Bobwhite Quail Habitat, and Monarch Butterfly Habitat Development Project (aka Monarch Butterfly HDP)

Regional Conservation Partnership Program includes: RCPP-Western Lake Erie Basin (WLEB), Big Pine Watershed Partnership (Big Pine), Notre Dame Project, Working Lands for Monarch Butterfly (aka Working Lands Monarch) the Southern Indiana Young Forest Initiative (aka Young Forest) and the Grasslands for Gamebirds and Songbirds (GSS).

472 Access Control

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 472 | Animal Exclusion from Sensitive Areas | AC | $50.20 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | RCPP- |
| EQIP Specialty Crop | GLRI Nearshore Health |
| MRBI (Middle Wabash Deer) | Wildlife Habitat Fund Pools |

Planning Requirements:

* Livestock must currently be present in the area planned to be protected to be eligible for this payment. Payment is to **permanently** exclude livestock only.
* In the case of wetlands, the area protected is the portion of wetland present on the contract acres that is protected by the exclusion.

Implementation Requirements:

* Area protected must have a minimum of 30 FT distance to water in the case of streams, measured from barrier to water’s edge.
* Only eligible for one-time payment on the land where this scenario is scheduled. Payment cap is per contract. Participants may not use multiple contracts to exceed payment cap.
* Practice Lifespan: 10 years

Documentation for Payment:

* Assistance notes from NRCS field verification.

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560 Access Road

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 560 | New gravel road, 6in, wet level terrain | FT | $7.52 | $2,256 | $2,706 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General |  EQIP Specialty Crop |

Planning Requirements

* Practice extent is limited to only the actual area needing treatment (i.e. area where the existing resource concern such as gully erosion is occurring).
* If using access road in conjunction with the relocation of an existing livestock feeding HUAP from a sensitive area to a more suitable location, the entire length of the access road is eligible, but the maximum payment cap still applies.

Implementation Requirements:

* Payment cap is applicable per contract as well as a maximum for any participant on multiple contracts.
* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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309 Agrichemical Handling Facility

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 309 | Concrete Agrichemical Handling Pad for mixing and loading | SQ FT | $6.59 |  |  | N |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
| EQIP General |   |

Planning Requirements:

* When determining the location of a 309, planning considerations must be made to minimize the risk to ground and surface water (depth to water table, depth to bedrock, surface runoff, etc.).
* Secondary containment, if required by law, must be in place or installed with the handling and mixing pad. Secondary containment design and installation is at the expense of the participant and no NRCS design or TSP TA assistance will be provided.
* NRCS will provide only a standard drawing design for installation of this practice. Participants who choose to install a facility other than the standard drawing must bear the cost of engineering design, installation and checkout without TSP TA assistance. A P.E is required for these services but would not be required to be a TSP since no FA or TA is being offered.
* Payment rate does not include roof. Schedule (367) Roofs and Covers as appropriate.

Implementation Requirements:

* All Agrichemical Handling Facilities will be for non-commercial use only.
* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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136 Agricultural Energy Design Plan Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 136 | AgEDP Low Complexity, One Design | No | $1,915.98  |  |  | Y |
| 136 | AgEDP Medium Complexity, One Design | No | $2,869.20  |  |  | Y |
| 136 | AgEDP High Complexity, One Design | No | $3,822.42  |  |  | Y |
| 136 | AgEDP Low Complexity, 2-3 Designs | No | $2,954.29  |  |  | Y |
| 136 | AgEDP Medium Complexity, 2-3 Designs | No | $3,907.51  |  |  | Y |
| 136 | AgEDP High Complexity, 2-3 Designs | No | $4,860.72  |  |  | Y |
| 136 | AgEDP Low Complexity, 4-5 Designs | No | $3,992.60  |  |  | Y |
| 136 | AgEDP Medium Complexity, 4-5 Designs | No | $4,945.82  |  |  | Y |
| 136 | AgEDP High Complexity, 4-5 Designs | No | $5,899.03  |  |  | Y |
| 136 | AgEDP Low Complexity, 6+ Designs | No | $5,030.91  |  |  | Y |
| 136 | AgEDP Medium Complexity, 6+ Designs | No | $5,984.12  |  |  | Y |
| 136 | AgEDP High Complexity, 6+ Designs | No | $6,937.34  |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National On-Farm Energy Initiative |

Planning Requirements:

* **Additional criteria will be provided. Practice will not be available until March 2020.**
* Utilize the Low Complexity Scenarios for the following:
	+ Low complexity is for one-to-one device replacements
	+ Scenario is for a new component to modify the operation of an existing device. Output of existing devices should be maintained with 10%
	+ New devices should be installed in the same location as existing devices
	+ Does not require substantive changes to electrical, mechanical, plumbing, or structural systems
	+ Ex: Light bulb or fixture replacements, controllers, attic insulation
* Utilize Medium Complexity Scenarios for the following:
	+ Medium complexity includes a change in the service level of more than 10%.
	+ Scenario is for new devices installed in new locations.
	+ Requires substantive changes to either electrical, mechanical, plumbing, or structural systems
	+ Ex: Adding light fixtures, wall insulation, grain dryers, evaporative cooling
* Utilize High Complexity Scenarios for the following:
	+ High complexity includes a change in service level of more than 30%. The change cannot be evaluated or designed with simple tools or manual calculations.
	+ New devices should be installed in new locations.
	+ Requires substantive changes to two or more electrical, mechanical, plumbing, or structural systems.
	+ Ex: Comprehensive lighting system redesign, radiant heating, conversion to tunnel ventilation or bench heating.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan
* CAP Checklist

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128 Agricultural Energy Management Plan Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 128 | AgEMP Small, One Enterprise | NO | $1,721.55 |  |  | Y |
| 128 | AgEMP Medium, One Enterprise | NO | $2,139.30 |  |  | Y |
| 128 | AgEMP Large, One Enterprise | NO | $2,776.37 |  |  | Y |
| 128 | AgEMP Small, Two Enterprise | NO | $2,666.5 |  |  | Y |
| 128 | AgEMP Medium, Two Enterprise | NO | $3,611.45 |  |  | Y |
| 128 | AgEMP Large, Two Enterprise | NO | $4,895.10 |  |  | Y |
| 128 | AgEMP Small, Three Enterprise | NO | $3,084.25 |  |  | Y |
| 128 | AgEMP Medium, Three Enterprise | NO | $4,029.2  |  |  | Y |
| 128 | AgEMP Large, Three Enterprise | NO | $5,380.59 |  |  | Y |
| 128 | AgEMP Small, Four Enterprise | NO | $3,721.32 |  |  | Y |
| 128 | AgEMP Medium, Four Enterprise | NO | $4,666.27 |  |  | Y |
| 128 | AgEMP Large, Four Enterprise | NO | $6,085.40 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National On-Farm Energy Initiative |

Planning Requirements:

* An agricultural energy management plan (AgEMP) is a detailed documentation of energy-consuming components and practices of the current operation, the previous year’s on-farm energy consumption and the strategy by which the producer will explore and address their on-farm energy conservation concerns, objectives, and opportunities.
* The scenario size is determined by the largest enterprise in the operation and as defined below:

|  |  |  |
| --- | --- | --- |
| **Small** | **Medium** | **Large** |
| < 300 Acres | 301-2500 Acres | >25,000 Acres |
| >300 Animal Units | 301-1000 Animal Units | >1,000 Animal Units |
| Up to 2 irrigation pumps | 3-6 Irrigation Pumps | >7 irrigation pumps |
| A maple syrup enterprise | 20,001 to 40,000 sq ft heated greenhouse | >40,001 sq ft heated greenhouse |

**Examples:**

|  |
| --- |
| -A 750 head dairy (Medium) = one enterprise (dairy) and payment would be for 750 AU for $1,961.66 |
| -A 750 head dairy w/1000 acres of cropland = two enterprises (dairy and field crops). The 1000 acres would be used to size the operation (Medium) and the payment would be $3,298.11. |
| -A 750 head dairy w/ 5000 acre cropped field = two enterprises (dairy and field corps) and the acres pushes this site to the largest size and the payment would be - $4,501.93 |
| -A 750 head dairy with 500 acres of irrigated cropland and 3 pumps – would be three enterprises (dairy, cropland and irrigation) and a size of medium for a payment of $3,680.00 |
| -A 4 house poultry farm (25,000 broilers per house, average weight of 4 lbs., would be 400 AU) with no cropland there is only one enterprise and 300-2500 AU for a payment of $1,961.66 |

* Enterprises (as defined by ASABE S612 Energy Audit Standard) are: Aquaculture, Beef/Veal, Dairy, Field Crops, Fruit/Vegetables, Nursery/Greenhouse, Poultry, Swine, irrigation pumps, and maple syrup operations.
* Use only one scenario for the contract item (CIN). Select the scenario that represents the most components to evaluate. The scenario will represent all aspects of the operation to be evaluated. If any of the enterprises are livestock related, a livestock type must be recorded in ProTracts.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of Completed Plan
* CAP Checklist

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371 Air Filtration and Scrubbing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 371 | Single Pit Fan Biofilter | EA | $12,312.40 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |
| GLRI Nearshore Health |  |

Planning Requirements:

* For existing air quality concerns associated with existing mechanically ventilated livestock buildings.
* Eligible for bed type filters on pit fans only.
* Eligible components include biofilter, plenums, exhaust fan upgrades and moisture management systems.
* Producers are required to obtain their own Technical Assistance (NRCS will not provide design or funding for TSP design).
* A P.E required for these services but would not be required to be a TSP since no FA or TA is being offered.
* Planning for this practice must be coordinated through an NRCS Area Engineer.

Implementation Requirements:

* Payment is per fan.
* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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333 Amending Soil Properties with Gypsum Products

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 333 | Gypsum less than 1 ton per acre | AC | $23.85 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | RCPP-WLEB |
| GLRI Nearshore Health |  |

Planning Requirements:

* NOTE: While this practice is only available through EQIP in targeted initiatives, it is available at a lower rate through CSP statewide.
* See FOTG Standard 333 and Indiana [Agronomy Tech Note #7 Amending Soil Properties with Gypsum](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_7_Agronomy_Gypsum_Management.pdf).

Implementation Requirements

* Practice Lifespan: 1 years

Documentation for Payment:

* Eligible for up to three payments in a contract.
* Documentation to show how much was applied (e.g. invoice).
* Documentation to of application method.
* Soil test and recommendations as applicable.

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591 Amendments for the Treatment of Agricultural Waste

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 591 | Zeolite for Ammonia Reduction | kSqFt | $394.05 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | RCPP-WLEB |
| GLRI Nearshore Health |  |

Planning Requirements:

* NOTE: this practice is only available through EQIP in targeted initiatives
* The unit is calculated in kSqFt or kilo square feet or 1000 SQ FT.
	+ Ex: If there is a 30,000 sf area, the planner would schedule 30 (30,000/1000sf)
* See FOTG Standard 591

Implementation Requirements

* Practice Lifespan: 1 years

Documentation for Payment:

* Eligible for up to three payments in a contract.
* Documentation to show how much was applied (e.g. invoice).

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366 Anaerobic Digester

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 366 | Covered Lagoon/Holding Pond | AU | $214.06 | $200,000 | $200,000 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General |   |
| EQIP Specialty Crop |  |

Planning Requirements:

* Payment based on number of 1,000 lbs Animal Units (AU). Example: 2,800 finishing hogs with an average weight of 150 pounds is 420 animal units (2800 hogs \* 150 lbs/hog) / 1000 lbs/AU = 420 AU.
* A CNMP is required to be completed prior to the design of 366.
* Producers are required to obtain their own Technical Assistance for 366. NRCS will not provide design or funding for TSP design.
* A P.E required for these services but would not be required to be a TSP since no FA or TA is being offered.
* Planning for this practice must be coordinated through an NRCS Area Engineer.

Implementation Requirements:

* Payment is eligible for the digester vessel, cover, internal equipment, controls, gas piping and flare portions of the digester only.
* Payment cap is per contract.
* Practice Lifespan: 25 years

Documentation for Payment:

* Engineering As-Builts

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316 Animal Mortality Facility

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 316 | Small Animal Composter | LB/DAY | $22.28 | $50,000 | $57,500 | Y |
| 316 | Medium-High Animal Composter | LB/DAY | $213.50 | $50,000 | $57,500 | Y |
| 316 | Large Animal Composter  | LB/DAY | $318.38 | $50,000 | $57,500 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | MRBI (Middle Wabash Deer) |

Planning Requirements:

* Payment will be based on lbs/day of mortality.
* Payments rates for small and med-high scenarios are based on bin-type systems.
* Payment rate for large animal type based on windrow composting.
* Scenarios are based on bin type storage system. Participants may choose to install a rotary drum composter. In this case, the payment will be based on the eligible size for a bin-type structure.
* Small Animal Composter example: <50 lbs/animal (poultry)
* Medium-High Animal Composter example: 50 – 500 lbs/animal (mostly swine)
* Large Animal Composter example: >500 lbs/animal (mature cattle)
* Payment rate does not include roof. Add (367) Roofs and Covers as appropriate.
* Incinerators are not eligible for payment under this practice.
* The 316 standard is not eligible to be used for disease related, mass mortality situations. The USDA Animal and Plant and Health Inspection Service (APHIS) will lead any efforts to determine how to address disease related, mass-mortality. Field Office must follow all NRCS Bio-security protocols when assisting producers who have reported disease-related mass mortality.
* Refer to (368) Emergency Animal Mortality Management for catastrophic events not related to diseases.

Implementation Requirements:

* Payment cap is per facility.
* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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810 Annual Forages for Grazing Systems

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 810 | Annual Forages for Grazing Systems – Multiple Species (Organic and Non-organic) | AC | $51.19 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | GLRI-Nearshore Health |
| EQIP Specialty Crop | WLEB |

Planning Requirements:

* Any forage mix that presently meets 810 in the [Indiana Seeding Calculator](https://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Seeding_Calculator.xlsm) is eligible for payment.
* If utilized to balance the animal/forage balance for a grazing system, the operation must presently have grazing/ruminant livestock in need of additional feed.
* If utilized solely to remove excess nutrients, additional phosphorous (commercial or manure) will not be applied, and if the forage is grazed, livestock will not be fed additional feed(s) besides mineral on the enrolled field.
* If utilized to reduce erosion or improve soil health, this practice must be part of a soil health management system.
* Plan 810 in conjunction with 512, 528, 511, 590, 328, or 329 to fully meet the planned purpose.
* Practice 810 can be scheduled in the same field, the same year, with 340, except not at the same time (must be in sequence).
* Planned 340 may be switched out for 810 if;
	+ all planned 340 resource concerns are met, and
	+ at not to exceed original 340 payment rate, and
	+ an 810 purpose can be met, and
	+ not exceed 40 acres.

Implementation Requirements:

* Practice Lifespan: 1 year
* Payment cap is per year
* Eligible for up to three payments per year on the same land

Documentation for Payment:

* Seed tags
* Documentation to show how much seed was applied (e.g. seed invoice)
* Documentation of field preparation and seeding method
* Assistance notes from NRCS site inspection
* IN Seeding Calculator Job-sheet

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396 Aquatic Organism Passage

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 396 | Culvert Replacement | EA | $3,672.75 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Wildlife Habitat Fund Pools |
|  | WLFW 2.0 Banding’s Turtle |

Planning Requirements:

* This practice may only be scheduled after consultation and approval from the NRCS state office technology, engineering and program staff.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Engineering As-Builts

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314 Brush Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 314 | Removal of Invasive Woody Understory, Light (<10% cover) | AC | $69.87 |  |  |  |
| 314 | Removal of Invasive Woody Understory, Medium (10-50% cover) | AC | $98.77 |  |  |  |
| 314 | Removal of Invasive Woody Understory, Heavy (50-**100**% cover) | AC | $442.09 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | RCPP-Young Forest, GGS |
| EQIP Specialty Crop | Wildlife Habitat Fund Pools |
| GLRI Nearshore Health, GLRI Invasive Species | WLFW 2.0 Bobwhite  |
| Monarch Butterfly HDP |  |

Planning Requirements:

* If an EQIP schedule of operations includes forest-related practices on nonindustrial private forestland, the participant must implement conservation practices consistent with an approved forest management plan. A Forest Stewardship plan meets this basic forest plan requirement. However, before selecting the specific practice payment scenarios in the schedule of operations, participants may need to contact their IDNR Forester, apply for a CAP 106 Plan, or an NRCS planner with appropriate Ecological Sciences Job Approval Authority to obtain the information listed below according to the FOTG standard.
* All forest plans, other than Forest Stewardship Plans and Tree Farm Plans, must meet the 106 FMP criteria.
* The 314 Job Sheet or equivalent DNR Job Sheet may be used for providing the needed level of detail. (See below planning elements.)
* Management plans older than 12 months requires a site visit. If no significant changes are found, this must be documented in assistance notes or in an addendum to the plan. Significant changes require an addendum to the plan.
* The forestry, wildlife, grazing or equivalent 314 plan must include the following elements:
	+ Identification of all species needing treatment in the land units under contract
	+ Timing and methods (chemical, mechanical, or other – can be general info) for treatment for all species identified for all years
	+ Existing percentage infestation/canopy coverage of invasive species, and delineated area of treatment at each payment scenario level.
	+ Expected post treatment level in each delineated area
* All species identified in the list below are to be included in the plan and treated with the payment.
* Eligible on **Forestland** to control: **Ailanthus (Tree of Heaven), Amur Cork, Bush Honeysuckle, Autumn Olive, Burning Bush, Callery Pear, Glossy Buckthorn, Japanese Barberry, Japanese Honeysuckle, Japanese Knotweed, Kudzu, Multi-Flora Rose, Oriental Bittersweet, Paulownia, Periwinkle and Siberian Elm, Winter Creeper.**
* Eligible on **Pastureland** (except under the wildlife fund pool) to control: **Multi-Flora Rose, Autumn Olive, Glossy Buckthorn, Callery Pear, Honey Locust.**
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance.
* This practice may only be scheduled for RCPP-GGS in conjunction is one of the following core oractices-Conservation Cover (327), Early Successional Habitat Development/Management (647), Prescribed Burning (338), Upland Wildlife Habitat Management (645), Tree/Shrub Establishment (612), Structures for Wildlife (649), Firebreak (394), Prescribed Grazing (528
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

* Eligible for up to three payments per contract.
* Scheduled payments must be successively lower in each year of treatment unless the lowest rate is used.
* Percent Canopy Cover can be given as a range. Acres treated are determined using a visual estimate of % plant distribution.
* Fields can be divided into smaller sub-units with similar infestation percentages.
* **Payment is for the acres of the land unit offered and is made only after each full year of treatment, as described/planned, is completed.**
* Practice Lifespan: 10 years

Documentation for Payment:

* Assistance notes from NRCS site inspection.

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672 Building Envelope Improvement

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 672 | Building Envelope-Attic Insulation  | SQ FT | $0.56 | $10,000 | $12,000 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National On-Farm Energy Initiative |

Planning Requirements:

* **Attic Insulation:** Minimum thickness and R Value of insulation to be newly installed or installed in addition to existing insulation is determined by the energy audit recommendation.

Implementation Requirements:

* NRCS will not provide design or TSP payment for design services for this practice. A design and installation checkout must be provided by a P.E., TSP, or other professional and according to the practice Statement of Work at the expense of the participant.
* Payment for 672 is eligible only as identified through a completed On-Farm Energy Audit (AgEMP 128) to achieve an energy savings. If needed, applicant may apply for a separate Conservation Activity Plan contract for an Agricultural Energy Design Plan (AgEDP 136), to be implemented in the same year.
* Payment cap is per contract regardless of the number of buildings recommended for insulation in the energy audit. Participants may not use multiple contracts to exceed payment cap.
* Practice Lifespan: 10 years

Documentation for Payment:

* A P.E. or other professional as listed in the statement of work, must provide as-builts and sign that the practice was installed according to the plans and NRCS standards prior to payment.
* Product and/or installation receipts.
* Assistance notes from field verification of installation.
* Documentation from audit recommending practice amount, type and location.
* Submit to State Conservation Engineer (or designee) for approval.

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317 Composting Facility

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 317 | Compacted Gravel Pad,6 inch Compacted Gravel | SQ FT | $0.56 | $22,000 |  | Y |
| 317 | Concrete Slab Under Concrete Bin Dividers | CU FT | $1.96 | $22,000 |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop |  |

Planning Requirements:

* When determining the location of a 317, planning considerations must be made to minimize the risk to ground and surface water (depth to water table, depth to bedrock, surface runoff, etc.)
* Payment cap is per facility.
* Payment rate does not include roof. Schedule (367) Roofs and Covers as appropriate.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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102 Comprehensive Nutrient Management Plan Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 102 | CNMP >300 AU w/Land Application (Minimal Engineer Assistance) | NO | $4,713.30 |  |  |  |
| 102 | CNMP >300 AU w/o Land Application (Minimal Engineer Assistance) | NO | $2,383.80 |  |  |  |
| 102 | CNMP ≤300 AU w/Land Application (Minimal Engineer Assistance) | NO | $3,521.40 |  |  |  |
| 102 | CNMP ≤300 AU w/o Land Application (Minimal Engineer Assistance) | NO | $2,099.40 |  |  |  |
| 102 | Non-Dairy <300 AU with Land Application | NO | $6,171.54 |  |  |  |
| 102 | Non-Dairy ≥300 - <700 AU with Land Application  | NO | $7,948.80 |  |  |  |
| 102 | Non-Dairy ≥700 AU with Land Application  | NO | $9,601.44 |  |  |  |
| 102 | Dairy <300 AU with Land Application | NO | $7,696.98 |  |  |  |
| 102 | Dairy ≥300 - <700 AU with Land Application  | NO | $8,796.84 |  |  |  |
| 102 | Dairy ≥700 AU with land Application  | NO | $9,782.94 |  |  |  |
| 102 | Livestock Operation <300 AU w/o Land Application | NO | $5,551.56 |  |  |  |
| 102 | Livestock Operation >300 AU w/o Land Application | NO | $6,895.50 |  |  |  |
| 102 | CNMP Revision | NO | $2,613.90 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| Conservation Activity Plans | RCPP-Big Pine, Reclaimed Mine Land |
| MRBI (Middle Wabash Deer) |  |

Planning Requirements:

* “Minimal Engineer Assistance” means that an NRCS Engineer will complete the 313/359 design, and not the TSP. **These four scenarios will cover most CNMPs for Indiana.**
* If CAP-102 is selected without “Minimal Engineer Assistance” the 313/359 design will be a required component of the CAP102 and be completed by a CAP102 P.E. or a P.E. working with a CAP102 TSP.
* By definition, a CNMP is a conservation plan for animal feeding operations (AFOs).
* For EQIP, the CNMP is written for all acres and/or manure owned and/or under decision-making authority at that AFO (including lands under a "Land Use Agreement" or other similar control of the manure application.)
* All manure applications under control of the participant must be included in the CNMP. All tracts and fields under the CNMP will be included in the Toolkit plan and the Protracts contract. If the applicant’s livestock operation is an IDEM permitted facility, they must include all acres submitted to IDEM for the manure management plan.
* If the CNMP is for an operation that exports all manure, (i.e. w/o land application), the plan must include records of where is applied, to whom it is exported, and the applicable paperwork given to each person receiving the manure.
* CNMPs must be completed (certified) prior to design of a Waste Storage Facility (313) and Waste Treatment Lagoon (359).
* The CNMP must be used as the basis for the design of any waste storage and handling facilities. Calculation of manure amounts and existing storage should be coordinated between NRCS and the TSP.
* Livestock producers not building a 313, 359 or 366 and requesting assistance for a CNMP are eligible for the CNMP Conservation Activity Plan.
* Non-Livestock producers receiving manure from another farm are not eligible for the CNMP CAP, however if a non- livestock producer has a contract to receive manure at the site for the length of the EQIP contract and is building a Waste Storage Facility (313) or Waste Treatment Lagoon (359), then a CNMP is required and the participant would be eligible for payment.
* Participants that are required to develop a CNMP must be informed of the CNMP requirements.
* Refer to the NRCS [AFO CNMP Website](http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/plantsanimals/livestock/afo/); [Indiana NRCS CNMP Checklist](https://efotg.sc.egov.usda.gov/references/public/IN/CNMP_CAP_Criteria_Indiana_Checklist_Feb_2015.pdf) ; and [CNMP Guidance for minimum requirements](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_030954.pdf) for additional information and requirements.
* See the [Indiana NRCS Agronomy website](http://www.in.nrcs.usda.gov/technical/agronomy/agronomy.html) and the FOTG 102 standard for additional information on CNMP Requirements

Implementation Requirements:

Practice Lifespan: 1 year

Documentation for Payment:

* Copy of TSP completed plan; IN NRCS CNMP Checklist

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327 Conservation Cover

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 327 | Introduced with Forgone Income | AC | $422.72 |  |  |  |
| 327 | Native Species with Forgone Income | AC | $456.83 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | Edge of Field Water Quality Monitoring Initiative |
| EQIP Specialty Crop | RCPP-WLEB, Young Forest, GSS |
| GLRI Nearshore Health | Wildlife Habitat Fund Pools |
| Monarch Butterfly HDP\*\* | WLFW 2.0 Banding’s Turtle |
| MRBI (Middle Wabash Deer) |  |

Planning Requirements:

* Seeding mixes should be developed using the [Indiana Seeding Calculator](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Seeding_Calculator.xlsm) found in [FOTG](http://efotg.sc.egov.usda.gov/efotg_locator.aspx) Section IV.
* See Practice Scenarios for 420 Wildlife Habitat Plantings, when wildlife, pollinators, monarch, etc. are the primary target.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance.
* This is a core practice of the RCPP-GGS. At least one core practice must be scheduled for each RCPP-GGS contact.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection.

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328 Conservation Crop Rotation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 328 | Basic Rotation Organic and Non-Organic\* | AC | $10.47 |  |  |  |
| 328 | Specialty Crops Organic and Non-Organic\* | AC | $27.93 |  |  |  |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | Edge of Field Water Quality Monitoring Initiative |
| GLRI Nearshore Health | RCPP-WLEB, Working Lands Monarch |

Planning Requirements:

* Basic crop rotation is now eligible in EQIP general (such as adding wheat to a corn/soybean rotation). A small grain added one year to a corn/soybean rotation is paid each year of the contract. This does not include double-crop soybeans.
* A new specialty crop rotation scenario will be offered in FY20. This scenario is meant to encourage additional crop rotation for specialty crop operations (fruits/vegetables)
* Rotation cannot include back-to-back low residue crops without a cover crop.
	+ Low residue crops include soybeans, corn silage, etc.
* Must be planned to meet the Field Office Tech Guide 328 additional criteria to improve soil quality.
* **To be eligible for payment, adoption of this practice must result in an additional crop added to the rotation.**
* Tillage system must meet (329) Residue and Tillage Management - No-Till or (345) Residue and Tillage Management Reduced Till each year except when terminating a perennial sod.

328 can be planned and contracted in conjunction with 340 (Cover Crops). For example, utilize the multi-species cover crop scenario after small grain harvest.

Implementation Requirements:

* Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
* Practice Lifespan: 1 year

Documentation for Payment:

* Assistance notes of NRCS site inspection
* Records provided by participant

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138 Conservation Plan Supporting Organic Transition

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 138 | Conservation Plan Supporting Organic Transition CAP Crops AND Livestock | NO | $4,266.00 |  |  |  |
| 138 | Conservation Plan Supporting Organic Transition CAP Crops OR Livestock | NO | $3,640.32 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |

Planning Requirements:

* A “Conservation Plan Supporting Organic Transition” is a conservation activity plan, which documents decisions by producers/growers who agree to implement a system of conservation practices that assist the producer to transition from conventional farming or ranching systems to an organic production system.
* Eligible to develop a conservation plan that addresses identified resource concerns for applicants who self-certify as **Organic Transitioning**. Transitioning CAP must be consistent with producers Organic System Plan to meet the requirements of the National Organic Program (NOP).
* Non-Local Scenario only eligible when TSP travel distance is greater than 600 miles from participant's operation.
* Organic Transition CAP is NOT a requirement to participate in the Organic Initiative for implementation practices through a separate contract.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan and CAP checklist

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656 Constructed Wetland

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 656 | Constructed Wetland, Dense Planting | AC | $8,636.18 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | Edge of Field Water Quality Monitoring Initiative |
| EQIP Specialty Crop | RCPP-WLEB, Working Lands Monarch |

Planning Requirements:

* This practice may only be scheduled after consultation and approval from the NRCS state office technology, engineering and program staff.
* See IN FOTG Standard 656 for considerations and requirements.
* Acres implemented are only those where hydrology restoration will occur and not any buffer areas.
* Schedule (587) Structure for Water Control as needed

Implementation Requirements:

* Practice Lifespan: 15 years

 Documentation for Payment:

* Engineering As-builts

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332 Contour Buffer Strips

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 332 | Introduced Species, Forgone Income (Organic and Non-organic) | AC | $393.09 |  |  |  |
| 332 | Native Species, Forgone Income (Organic and Non-organic) | AC | $331.61 |  |  |  |
|  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| GLRI Nearshore Health |  |
|  |  |

Planning Requirements:

* Seeding mixes should be developed using the [Indiana Seeding Calculator](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Seeding_Calculator.xlsm) found in [FOTG](http://efotg.sc.egov.usda.gov/efotg_locator.aspx) Section IV.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection.

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330 Contour Farming

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 330 | Contour Farming | AC | $6.31 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
|  | National Organic Initiative |

Planning Requirements:

* See IN FOTG Standard 330 for considerations and requirements.

Implementation Requirements:

* Eligible for only one payment per contract
* Practice Lifespan: 5 years

Documentation for Payment:

* Assistance notes from visual inspection.

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334 Controlled Traffic Farming

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 334 | Controlled Traffic | AC | $39.59 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Not offered in at this time |

Planning Requirements:

* See IN FOTG Standard 334 for considerations and requirements.

Implementation Requirements:

* NOTE: Though this practice is only offered in targeted initiative areas, it is available at a lower rate through CSP statewide.
* Payment is based on wheel traffic coverage achieved. The resulting system must be at or below 33% wheel traffic (for all field operations including planting, spraying, fertilizer applications and harvest) to be eligible for payment.
* Wheel traffic calculation must include grain heads to get adequate environmental benefits
* Producer may have all technology (i.e. RTK) OR equipment (i.e. all equipment widths capable of controlled traffic) but NOT BOTH, and producer will combine them into a Controlled Traffic Farming system and not drive randomly across the field.
* The Ohio Controlled Traffic Farming Design Tool (or similar tool) must be used to show the reduction in wheel track/coverage as defined below:
	+ Implementation of modification must result in a decrease in total wheel /track traffic by at least 12%. This is the equivalent of a modification to the tractor wheel/track to match the combine tracks.
* Eligible for only one payment per contract
* Practice Lifespan: 5 years

Documentation for Payment:

* Geo-referenced map and receipts for RTK equipment and/or equipment modifications as applicable.
* Completed Ohio Controlled Traffic Farming Design Tool (or similar tool).

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340 Cover Crop

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 340 | Winter-Kill Cover Crop Species | AC | $26.18 |  |  |  |
| 340 | Cover Crop – 1 acre or less | AC | $194.76 |  |  |  |
| 340 | Cover Crop – Basic (Organic and Non-Organic) | AC | $44.85 |  |  |  |
| 340 | Cover Crop – Multi-Species (Organic and Non-Organic) | AC | $53.59 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | Edge of Field Water Quality Monitoring Initiative |
| EQIP Specialty Crop | RCPP-Big Pine, WLEB, Reclaimed Mine Land, Notre |
| GLRI Nearshore Health | Dame Project, Working Lands Monarch |
| MRBI (Middle Wabash Deer) | Wildlife Habitat Fund Pools |

Planning Requirements **Winter-Kill**:

* To maximize fall growth, it is strongly recommended to inter-seed the cover crop in this scenario 4 weeks prior to first average Frost Date for that location.
* Seeding methods such as aerial or high-boy seeders are recommended.
* Refer to the [Indiana Cover Crop Seeding Tool](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Cover_Crops_Seeding_Calculator.xlsm) for more information.

Planning Requirements **Basic**:

* This scenario is only available when participant agrees to utilize innovative seeding methods (aerial seeding or highboy seeder to seed the cover crop prior to crop harvest) or earlier season crop hybrids to increase the amount of above and below ground growth achieved by a drilled cover crop.
* This scenario requires at least 50% winter hardy species.
* Recommend 10% oats in the mix to provide protection for over wintering species
* This basic scenario will not be terminated (herbicide or tillage) until typical field operations in the spring of the next cropping season. 340 is allowed in conjunction with CPS 345.
* If planting corn in this system, it is recommended that 30-50 lbs./ac of N be applied just prior to or during planting.
* Refer to the [Indiana Cover Crop Seeding Tool](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Cover_Crops_Seeding_Calculator.xlsm) for more information.

Planning Requirements **Multi-Species**:

* This scenario may only be used for diverse multi-species cover crops planted after a summer crop is harvested (i.e. wheat or other cereal grains, or vegetable crops harvested early enough to allow for the seeding of a warm season grass in the mix. Corn silage is not considered a summer harvested crop.
* It is unlikely this scenario will be used for three consecutive years on the same land but may be used in combination with other 340 scenarios in other years.
* A minimum of 5 species is required for this scenario. This will include a warm season grass and warm season broadleaf, a legume, a brassica and an overwintering species.
* This multi-species scenario will not be terminated (herbicide or tillage) until typical field operations in the spring of the next cropping season. 340 is allowed in conjunction with CPS 345.
* If planting corn in this system, it is recommended that 30-50 lbs./ac of N be applied just prior to or during planting.
* Planner must provide information and discuss allowable seeding dates for warm season cover crop species, equipment set up for seeding method, nitrogen needs and application timing for the next crop in rotation, planting the following spring into high biomass residue.
* Refer to the [Indiana Cover Crop Seeding Tool](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Cover_Crops_Seeding_Calculator.xlsm) for more information.

Planning Requirements for **1 Acre or less** scenario:

* This scenario is for cover crops seeded on less than one acre and shall be planned at a minimum extent of 0.1 acre for contracting purposes.
	+ Ex: Participant wishes to implement 340 within their high tunnel. The high tunnel is approximately .05 acres. The 340 would be contract at .1 acres.

Planning Requirements for Using 340 in **Wildlife Habitat Ranking Pools**:

* 340 may only be used in the wildlife ranking pools if all of the following requirements are met:
	+ It will be used for the primary purpose of weed suppression and breaking pest cycles in conjunction with the establishment of a wildlife habitat practice.
	+ The current land use must be expiring CRP, existing cropland or endophyte fescue cover , smooth brome grass cover, reed’s canarygrass cover or other difficult to control species as approved by the state office, planned for wildlife habitat establishment.
	+ Cover crop species should be selected to ensure adequate cover from the time the last crop is harvested until the wildlife habitat vegetation is seeded (e.g….)
	+ If CPS 315 is used as site prep for a wildlife habitat planting, 340 may also be used but may only be scheduled to occur after 315 site prep and before the habitat planting.
	+ Wildlife planting scenarios include site preparation costs to terminate or clip current cover. No separate payments will be issued.
	+ An NRCS or partner biologist must approve of the cover crop species mix prior to planting. Annual ryegrass and other cover crop species that pose a risk of persistence after the habitat planting takes places must not be used.

Implementation Requirements:

* Contract modifications to substitute the either the basic or multi-species for the winter-kill scenario is not within program policy.
* Eligible for up to three payments per contract with no other required supporting practices.
* Three payments or less encouraged for producers initially trying cover crops.
* Eligible for up to (four or) five payments per contract if a conservation cropping system is implemented or all years the cover crop is implemented. If the system is required for more than three years of payments (All of the following: 328, 329, 590 enhanced or w/ manure, buffers along all water bodies) on all acres where 340 is implemented, regardless of the three-payment limit for other system practices.
* The conservation cropping system must be scheduled in the application or documented as actively being applied and scheduled in the conservation plan for all four or five years.
* Payment cap is per participant per year.
* Participants may not use multiple contracts to exceed payment cap or five/three payment limitation.
* Practice Lifespan: 1 year

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Assistance notes from NRCS site inspection
* IN Cover Crop Seed Calculator

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342 Critical Area Planting

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 342 | Native or Introduced Vegetation - Normal Tillage (Organic and Non-Organic) | AC | $130.74 |  |  |  |
| 342 | Native or Introduced Vegetation - Moderate Grading (Organic and Non-Organic) | AC | $411.82 |  |  |  |
| 342 | Small Area Disturbance | kSqFt | $3.71 | $161.61 |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | Edge of Field Water Quality Monitoring Initiative |
| EQIP Specialty Crop | RCPP-WLEB, Working Lands, Monarch |
| GLRI Nearshore Health | MRBI (Middle Wabash Deer) |

Planning Requirements:

* Seeding mixes should be developed using the [Indiana Seeding Calculator](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Seeding_Calculator.xlsm) found in [FOTG](http://efotg.sc.egov.usda.gov/efotg_locator.aspx) Section IV.
* Use the Native or Introduced Vegetation – Normal Tillage scenarios as the seeding component in support of practices where seeding only is required. Use the Moderate Grading scenario where seeding and grading with a dozer is required and not already completed as part of a practice it is supporting.  Example:  Additional seeding outside the top width of the 412 Grassed Waterway would fall under the Normal Tillage scenario, whereas shaping a gully with a dozer and seeding would fall under the Moderate Grading.
* The small area disturbance scenario is calculated in kSqFt or kilo square feet or 1000 SQ FT).
	+ Ex: If there is a 30,000 sf area, the planner would schedule 30 (30,000/1000sf).
* Lime and fertilize according to the Indiana Seeding Guidelines.
* Per the FOTG standard, 484 Mulch is required with any critical area planting scenario.
* Critical area planting costs do not include mulch and it must be scheduled separately.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection
* Documentation of mulch use.

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605 Denitrifying Bioreactor

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 605 | Denitrifying Bioreactor, with liner, no soil cover\* | CU YD | $61.23 |  |  |  |
| 605 | Denitrifying Bioreactor, with liner, soil cover\* | CU YD | $71.13 |  |  |  |
| 605 | Denitrifying Bioreactor Recharge\* | CU YD | $54.17 |  |  |  |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-Notre Dame Project |

Planning Requirements:

* This practice requires an on-site engineering review and cost-estimate by a NRCS Engineer prior to being added to an application.
* Payment unit is per cubic yard of wood chips in-place volume.
* New bioreactor scenarios include Water Control Structure and Subsurface Drain components.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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356 Dike

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 356 | Dike with Core Trench | CU YD | $4.86 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |   |
|  |  |

Planning Requirements:

* Contact the Area Engineer for assistance in planning this practice.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-Builts

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362 Diversion

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 362 | Diversion – Small, <2 CY/FT | FT | $2.61 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |

Planning Requirements:

* See IN FOTG Standard 362 for considerations and requirements.
* Use the (342) Critical Area Planting, Native or Introduced Vegetation– Normal Tillage scenarios as the seeding component in support of practices where seeding is required.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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554 Drainage Water Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 554 | <=10 acres per Structure with Training\* | AC | $11.23 |  |  |  |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-WLEB |

Planning Requirements:

* Payment for this practice is per acre of drainage area in the offered land unit where water levels are controlled according to the 554 standard including drainage areas greater than 10 acres.
* Plan 587 Structure for Water Control for control structures and 606 Subsurface Drain for secondary mains to create management zones as applicable.
* The area controlled is to be estimated to include an area 2 feet vertically above ground elevation at the upper most structure.

Implementation Requirements:

* Eligible for up to three years of payment per contract.
* Practice Lifespan: 1 year

Documentation for Payment:

* Participant records of DWM activity when water table was adjusted.

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130 Drainage Water Management Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 130 | DWMP – Tile Map Available | NO | $2,069.70 |  |  |  |
| 130 | DWMP– No Tile Map Available | NO | $2,881.14 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |
| Conservation Activity Plans | GLRI Nearshore Health |

Planning Requirements:

* The objective of drainage water management (DWM) is to control soil water table elevations and the timing of water discharges from subsurface or surface agricultural drainage systems, allowing the opportunity for crop use of the subsurface water and nutrients.
* Under the "No Tile Map Available" scenarios, producer does not have a map of the current subsurface drainage system. Existing tile will be located and considered as part of the CAP.
* Producers are not required to combine all the land they wish to enroll under a single DWM CAP. Two or more DWM CAPs may be necessary if there is an adequate technical justification. However, enrolled land should be grouped into as few CAP applications as necessary to capture similar soil types, cropping systems and/or drainage systems.
* A single land unit is only eligible for a single CAP at the same time. If a producer wishes to enroll two or more land units which use different cropping systems or have different soils or drainage characteristics, multiple CAPs may be eligible if the technical justification used to differentiate the land units is documented in the case file.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan
* Completed CAP Checklist

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373 Dust Control on Unpaved Roads and Surfaces

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 373 | Hygroscopic Salt Application – 1x per Year | Sq Yd | $.84 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
|  | RCPP-WLEB |

Planning Requirements:

* TBD

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* TBD

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647 Early Successional Habitat Development Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 647 | Disking | AC | $70.50 |  |  |  |
| 647 | Strip Spraying | AC | $42.39 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Monarch Butterfly HDP |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | RCPP-Young Forest, GSS |
| GLRI Nearshore Health | WLFW 2.0 Bobwhite |
|  | Wildlife Habitat Fund Pools |

Planning Requirements:

* See the 647 Job Sheet for additional implementation guidance.
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.
* This is a core practice of the RCPP-GGS. At least one core practice must be scheduled for each RCPP-GGS contact

Implementation Requirements:

* Lands being grazed or used for hay production are NOT eligible for payment.
* Strip disking of riparian buffers, grassed waterways, or any areas planted to woody vegetation will NOT be eligible for payment.
* Practice Lifespan: 1 year

Documentation for Payment:

* Assistance notes from visual inspection

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201 Edge of Field Water Quality Monitoring Data Collection

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 201 | Data Collect Surface YR1 QAPP | EA | $17,878.71  |  |  |  |
| 201 | Data Collect Surface YR1+ - NO QAPP | EA | $11,511.98 |  |  |  |
| 201 | Data Collect Surface Last Year | EA | $15,258.90 |  |  |  |
| 201 | Data Collect Tile YR 1 QAPP | EA | $33,981.20 |  |  |  |
| 201 | Data Collect Tile YR 1+ - NO QAPP | EA | $28,450.49 |  |  |  |
| 201 | Data Collect Tile Last Year | EA | $31,361.39  |  |  |  |
| 201 | Data Collect Surface 2T YR1 QAPP | EA | $24,340.62 |  |  |  |
| 201 | Data Collect Surface Year 1+ less QAPP (pre-install information) with two treatment sites | EA | $17,500.01 |  |  |  |
| 201 | Data Collect Surface 2T Last Year | EA | $21,866.36  |  |  |  |
| 201 | Data Collect Tile Year 1+ less QAPP (pre-install information) with two treatment sites | EA | $39,950.41 |  |  |  |
| 201 | Data Collect Tile 2T Last Year | EA | $44,316.76 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Edge of Field Water Quality Monitoring Initiative |

Planning Requirements:

* NOTE: 2T = 2 treatment sites.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copies of collected data and applicable analysis

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202 Edge of Field Water Quality Monitoring System Installation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 202 | System Installation Surface | EA | $11,570.71 |  |  |  |
| 202 | System Installation Surface Cold Climate | EA | $11,877.10 |  |  |  |
| 202 | System Installation Tile | EA | $17,566.59 |  |  |  |
| 202 | System Installation Tile Cold Climate | EA | $17,566.59 |  |  |  |
| 202 | System Installation-Above And Below | EA | $16,605.37 |  |  |  |
| 202 | System Installation-Above And Below cold climate | EA | $18,856.89  |  |  |  |
| 202 | System Installation Retrofit 1 | EA | $1,812.94 |  |  |  |
| 202 | System Installation Retrofit 2 | EA | $5,543.75 |  |  |  |
| 202 | System Installation Retrofit 3 | EA | $6,781.10 |  |  |  |
| 202 | System Installation Retrofit Above-Below 1 | EA | $2,454.11 |  |  |  |
| 202 | System Installation Retrofit Above 2 | EA | $9,778.85 |  |  |  |
| 202 | System Installation Retrofit Above 3 | EA | $11,834.27 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Edge of Field Water Quality Monitoring Initiative |

Planning Requirements:

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-builts

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368 Emergency Animal Mortality Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 368 | In-House Composting | AU | $73.14 |  |  |  |
| 368 | Burial | AU | $71.27 |  |  |  |
| 368 | Outside Windrow Composting | AU | $549.82 |  |  |  |
| 368 | Forced Air Incineration | AU | $210.58 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |
| EQIP General |  |

Planning Requirements:

* This practice is only available for weather related mass mortality situations.
* Payment based on number of 1,000 lbs Animal Units (AU). Example: 2,800 finishing hogs with an average weight of 150 pounds is 420 animal units (2800 hogs \* 150 lbs/hog) / 1000 lbs / AU = 420 AU.
* The 368 standard is not eligible to be used for disease related, mass mortality situations. The USDA Animal and Plant and Health Inspection Service (APHIS) will lead any efforts to determine how to address disease related, mass-mortality. Field Office must follow all NRCS Bio-security protocols when assisting producers who have reported disease-related mass mortality.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Engineering As-Builts

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374 Farmstead Energy Improvement

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 374 | Heating – Radiant Systems | kBTU/HR | $9.33 | $10,000 | $12,000 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National On-Farm Energy Initiative |

Planning Requirements:

* **Heating – Radiant Systems**: Payment is only authorized for replacing current heating systems with a new system that meets the minimum recommendations in the energy audit and result in an energy savings.

Implementation Requirements:

* NRCS will not provide design or TSP payment for design services for this practice.  A design and installation checkout must be provided by a P.E. or other professional and according to the practice Statement of Work at the expense of the participant.
* Payment for 374 is eligible only as identified through a completed On-Farm Energy Audit (AgEMP 128) to achieve an energy savings. If needed, applicant may apply for a separate Conservation Activity Plan contract for an Agricultural Energy Design Plan (AgEDP 136), to be implemented in the same year.
* Payment cap is per contract regardless of the number of fixtures recommended for replacement in the energy audit. Participants may not use multiple contracts to exceed payment cap.
* Practice Lifespan: 10 years

Documentation for Payment:

* A P.E. or other professional as listed in the statement of work, must provide as-builts and sign that the practice was installed according to the plans and NRCS standards prior to payment.
* Product and/or installation receipts.
* Assistance notes from field verification of installation.
* Documentation from audit recommending practice amount, type and location.
* Submit to State Conservation Engineer (or designee) for approval.

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592 Feed Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 592 | Poultry/Layer Operation | AU | $17.42 | $1,500 | $1,725 | Y |
| 592 | Livestock  | AU | $1.41 | $1,500 | $1,725 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
| EQIP General | National Organic Initiative |

Planning Requirements:

* Participant must have a Feed Management plan, developed by a qualified individual, which meets the 108 standard to reduce one of the following:
	1. Nitrogen and/or phosphorus loads
	2. Feed, water and/or wastewater use
	3. Overall manure production and/or improve air quality
* Animal Units (AU) for the payment will be determined by the types, numbers, and weights of animals present at any one time at the location or facility.
* Payment based on number of 1,000 lbs Animal Units (AU). Example: 2,800 finishing hogs with an average weight of 150 pounds is 420 animal units (2800 hogs \* 150 lbs/hog) / 1000 lbs / AU = 420 AU.

Implementation Requirements:

* NRCS will not provide Technical Assistance (neither directly nor through a TSP).
* Eligible for up to three payments per contract. Payment cap is per year. Participants may not use multiple contracts to exceed payment cap or three payment limitation.
* Practice Lifespan: 1 year

Documentation for Payment:

* Feed Management Plan AND
* Assistance notes that documenting that plan was followed.

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108 Feed Management Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 108 | Feed Management Plan | EA | $1,365.12 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Conservation Activity Plans |

Planning Requirements:

* A feed management plan is a farm-specific documented plan developed for a client who addresses manipulation and control of the quantity and quality of available nutrients, feedstuffs, and/or additives fed to livestock and poultry.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan

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382 Fence

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 382 | Permanent High Tensile, Minimum 4 strand, Single H brace | FT | $1.39 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Monarch Butterfly HDP |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | RCPP- |
| GLRI Nearshore Health | WLFW 2.0 Bobwhite |
| MRBI (Middle Wabash Deer) |  |

Planning Requirements:

* Only eligible if used to exclude livestock under (472) Access Control, for Waste Storage Ponds/Lagoons 313; 359) or as part of a grazing system with an approved grazing plan.
* A grazing plan or CAP 110 plan, that meets the Prescribed Grazing (528) standard, is required for internal fence that is part of the planned grazing system.
* **See CPM 440 Part 515 Subpart I 515.81 E for additional eligibility requirements for fence.**
* **EQIP assistance is not available to replace existing exterior (boundary, property line or perimeter) fence, except:**
	+ Exterior (boundary, property line or perimeter) fence is eligible on expiring CRP land to establish a grazing operation, on land to protect restore, develop, or enhance habitat for wildlife by excluding livestock from sensitive areas (using 472 Access Control).
	+ Exterior (boundary, property line or perimeter) fence is eligible when it is an integral part of a conservation management system, such as a planned grazing system (under a Prescribed Grazing Plan) **which converts any cropland land units with an existing resource concern, to a managed grazing system**.
* Fence for creating paddocks/divisions in a new or existing managed grazing systems (under a Prescribed Grazing Plan) is eligible for both new and replacing fence to address a resource concern.
* **Replacement** paddocks/divisional (internal) **fence** should only be planned according to a prescribed grazing plan to improve grazing efficiency (i.e. it is an improvement over the current paddock layout or required to meet resource concern.)
* Payment rate is for all permanent fence types that meet or exceed the IN 382 Fence standard. High tensile, woven wire, barbed wire, etc. are eligible if they are designed and constructed to the 382 standard.
* Temporary fence is not eligible for payment under this scenario.
* Fence is not eligible around crop fields for grazing crop residue or annuals unless:
	+ A complete soil heath system will be implemented for three consecutive years (329 PLUS 590 basic precision PLUS 340). The grazed year must be a multi-species annual cover crop mix (minimum of 5 species) and planted before Aug 15 for the fenced area (ideal after wheat) and meet the 340 standard. No supplemental feeding is allowed on the fenced field. A prescribed grazing plan is required to graze any annuals, crop residue, or cover crops, or combination on cropland.
	+ A soil health cropping system will be implemented for five or more consecutive years (329 PLUS 340 PLUS 328) with three years or more of perennial forages in the rotation.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

Practice Lifespan: 20 years

Documentation for Payment:

Fence As-Builts

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386 Field Border

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 386 | Field Border, Introduced Species, Forgone Income | AC | $327.09 |  |  |  |
| 386 | Field Border, Native Species, Forgone Income | AC | $411.65 |  |  |  |
| 386 |  |  |  |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Wildlife Habitat Fund Pools |
| GLRI Nearshore Health | RCPP-WLEB, GSS |
| Monarch Butterfly HDP |  |

Planning Requirements:

* Seeding mixes should be developed using the [Indiana Seeding Calculator](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Seeding_Calculator.xlsm) found in [FOTG](http://efotg.sc.egov.usda.gov/efotg_locator.aspx) Section IV.
* Monarch Butterfly HDP: All scenarios are available to establish monarch habitat and to plan setbacks from insecticide treatment areas as applicable.
	+ Monarch Butterfly HDP requires the use of the updated Monarch WHEG
	+ Required setbacks and pest management requirements are updated in the Monarch WHEG
* Select “Monarch” as the Toolkit Priority Species when the planting will meet monarch specifications and the Monarch WHEG is used in planning (all funding pools).
* This practice may be planned as part of the RCPP-GGS only in support of one of the following core practices -Conservation Cover (327), Early Successional Habitat Development/Management (647), Prescribed Burning (338), Upland Wildlife Habitat Management (645), Tree/Shrub Establishment (612), Structures for Wildlife (649), Firebreak (394), Prescribed Grazing (528)

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection

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393 Filter Strip

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 393 | Filter Strip, Native Species, Forgone Income | AC | $450.42 |  |  |  |
| 393 | Filter Strip, Introduced Species, Forgone Income | AC | $448.72 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
|  | RCPP-WLEB, Working Lands Monarch |

Planning Requirements:

* Seeding mixes should be developed using the [Indiana Seeding Calculator](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Seeding_Calculator.xlsm) found in [FOTG](http://efotg.sc.egov.usda.gov/efotg_locator.aspx) Section IV.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection

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394 Firebreak

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 394 | Vegetated Permanent Firebreak | FT | $0.11 |  |  |  |
| 394 | Constructed Handline | FT | $0.07 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | RCPP-Young Forest |
| EQIP Specialty Crop | WLFW 2.0 Bobwhite,  |
| GLRI Nearshore Health | Wildlife Habitat Fund Pools |
| Monarch Butterfly HDP |   |

Planning Requirements:

* Firebreaks must be included in a prescribed burn plan developed for management of vegetative practices established for wildlife benefits.
* Seeding mixes should be developed using the [Indiana Seeding Calculator](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Seeding_Calculator.xlsm) found in [FOTG](http://efotg.sc.egov.usda.gov/efotg_locator.aspx) Section IV.
* Constructed handlines are typically used with the dominant fuel being hardwood leaf litter. The firebreak will be installed with hand tools such as broom rakes and/or leaf blowers.
* Bare-ground (disked) firebreak scenario is not offered, however a bare-ground firebreak is often planned and combined with vegetated firebreaks to meet a total minimum needed with to contain the fire.
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection

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142 Fish and Wildlife Habitat Management Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 142 | Fish & Wildlife Habitat Management CAP (1 Land Use) | NO | $2,167.02 |  |  |  |
| 142 | Fish & Wildlife Habitat Management CAP (2 Land Uses) | NO | $2,648.58 |  |  |  |
| 142 | Fish & Wildlife Habitat Management CAP (3 Land Uses) | NO | $3,130.14 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Conservation Activity Plans |

Planning Requirements:

* A fish and wildlife habitat plan is a site-specific plan developed with a client who is ready to plan and implement conservation activities or practices with the criteria of fish and wildlife habitat.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan
* Completed CAP checklist

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512 Forage and Biomass Planting

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 512 | Introduced Grass Establishment or Renovation | AC | $169.90 |  |  | Y |
| 512 | Interseeding Legumes and/or Forbs | AC | $111.06 |  |  | Y |
| 512 | Native Grass Establishment or Renovation with fertility\* | AC | $331.51 |  |  | Y |
| 512 | Pasture Renovation Utilizing Interim Seeding\* | AC | $259.19 |  |  | Y |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | RCPP-WLEB, Working Lands Monarch |
| EQIP Specialty Crop | WLFW 2.0 Bobwhite |
| MRBI (Middle Wabash Deer) |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 512 | Introduced Grass Establishment or Renovation Organic | AC | $196.64 |  |  | Y |
| 512 | Interseeding Legumes and/or Forbs Organic | AC | $126.15 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| MRBI (Middle Wabash Deer) |  |

Planning Requirements:

* Seeding mixes should be developed using the [Indiana Seeding Calculator](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Seeding_Calculator.xlsm) found in [FOTG](http://efotg.sc.egov.usda.gov/efotg_locator.aspx) Section IV.
* A new soil test is required if mechanical harvesting has occurred, any amendments (organic or inorganic) have been added since last testing or the soil test is over 4 years old without any changes.
* Only legumes and/or forbs may be interseeded.
* Monoculture stands are not eligible. All plantings must include both grasses and legumes to be eligible.
* The pasture renovation utilizing interim seeding may only be used to renovate current pasture with endophyte friendly (Novel) tall fescue. For this scenario, payment may not be made until final seeding is completed.
* New plantings will eliminate existing vegetation except when Interseeding legumes into grass stands or Interseeding grass into alfalfa stands.
* “Native Grass Establishment or Renovation” scenario may not be used for introduced species establishment or renovation and vice versa.
* Only the Native grass establishment or renovation is eligible under WLFW 2.0 Bobwhite
	+ When planning in WLFW 2.0 Bobwhite, select “bobwhite in grasslands” as the Toolkit Priority Species
	+ The WLFW 2.0 Bobwhite in Grasslands WHEG must be used in planning.

Implementation Requirements:

* Cost for fence and livestock watering facilities are eligible to be added to the application on land units where cropland is being converted for grazing purposes. See 440 CPM Part 503 530.403 C & H.
* Practice Lifespan: 5 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection

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511 Forage Harvest Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 511 | Improved Forage Quality | AC | $4.53 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |
| National Organic Initiative | Monarch Butterfly HDP |

Planning Requirements:

* Soil fertility sampling must be completed.
* Forage Harvest Management is only available for forage that is mechanically harvested.
* Eligible if both of the following are not currently occurring but will be occurring:
	+ A forage sample of each cutting of hay will be taken.
	+ Scouting of the re-growth prior to each cutting will occur.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Assistance notes from field verification
* Soil fertility report and recommendations
* Scouting Records
* Forage sample tissue analysis results
* Completed 511 Job Sheet

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106 Forest Management Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 106 | FMP ≤ 20 acres | NO | $1,059.63 |  |  |  |
| 106 | FMP 21-100 acres | NO | $1,338.48 |  |  |  |
| 106 | FMP 101-250 acres | NO | $2,398.11 |  |  |  |
| 106 | FMP 251-500 acres | NO | $3,457.74 |  |  |  |
| 106 | FMP 501-1000 acres | NO | $4,015.44 |  |  |  |
| 106 | FMP > 1000 acres | NO | $5,019.30 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| RCPP- |  |

Planning Requirements:

* A 106 Forest Management Plan (FMP) is a site-specific plan developed for a client, which addresses one or more resource concerns based on an inventory of land where forestry-related conservation activities or practices will be planned and applied.
* The primary forestry activities recommended in the CAP 106 Plan are designed and planned to Indiana NRCS FOTG Practice Standards. Planning can be within in the plan or in supplemental job sheets or practice plans.
* Applicants are not required to enroll their entire operation. Typically, all forestland owned by the produce is enrolled into one application. However, NRCS may contract more than one CAP 106 Plan for an applicant with good justification. If the applicant wishes not to enroll all forest acres and/or the request for more than one CAP 106 Plan, then document the reason and contact Brian Kruse, Indiana NRCS State Forester, to review the circumstances.
* Open fields that will be planted to trees can be included (but not required) with other forestland in a CAP 106 plan.
* Only Technical Service Providers (TSPs) listed on the TechReg website for Indiana can write these plans. (see <https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/technical/tsp/> then “Find a TSP”)
* Note: The 106 Forest Management Plan is not considered a Forest Harvest Plan, but should complement the needs for a harvest, if desired by the land user. Additional information above the 106 Plan’s intended purpose may be an additional cost to the participant.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan
* Conservation Activity Plan 106 checklist

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666 Forest Stand Improvement

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 666 | Forest Stand Improvement Light | AC | $89.29 |  |  |  |
| 666 | Forest Stand Improvement Medium | AC | $109.31 |  |  |  |
| 666 | Temporary Forest Openings, patch clearcuts\* | AC | $278.72 | $2,893 | $2,893 |  |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Wildlife Habitat Fund Pools |
| GLRI Invasive Species | RCPP-Young Forest |

Planning Requirements:

* If an EQIP schedule of operations includes forest-related practices on nonindustrial private forestland, the participant must implement conservation practices consistent with an approved forest management plan. A Forest Stewardship plan meets this basic forest plan requirement. However, before selecting the specific practice payment scenarios in the schedule of operations, participants may need to contact their IDNR Forester, apply for a CAP 106 Plan, or an NRCS planner with appropriate Ecological Sciences Job Approval Authority to obtain the information listed below according to the FOTG standard.
* All forest plans, other than Forest Stewardship Plans and Tree Farm Plans, must meet the 106 FMP criteria.
* FSI Light payment is not authorized where the amount of work is less than 200 diameter inches, or less than 10 SQ FT of basal area/acre, or less than 30 grapevines/acre, or less than 10 crop trees/acre, or less than 100 trees/acre (whichever is the least determining measurement).
* FSI Medium payment is not authorized where the amount of work is less than 30 square feet per acre (or) Cut and/or kill less than 200 trees per acre (or) Release fewer than 21 crop trees per acre (grape vines must be killed on crop trees). Note: FSI Light can still be used for all levels of thinning over the minimum for Light. The Medium scenario is useful for understory thinning to help regenerate oaks.
* The 666 Job Sheet or equivalent DNR Job Sheet may be used for providing the needed level of detail. (See below planning elements.)
* Planning Elements:
	+ 666 FSI standards require both the pre- and post-treatment stand condition. This can be described in terms of crop trees per acre, basal area per acre, trees per acre, between-tree spacing, or by any other appropriate and professionally accepted density or stocking protocol.
	+ If under the Wildlife Habitat Fund Pools, planner must provide documentation that the criteria under 666 FSI standard- Wildlife Habitat purpose will be met, or practice planning is developed by a professional biologist.
* Locations for all Temporary Forest Openings will be confirmed by the State Wildlife Biologist or State Forester for sufficient surrounding Indiana bat habitat.
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance.

Implementation Requirements:

* Max Cap for “Temporary Forest Openings” scenario is per forest opening.
* Each forest opening (under “Temporary Forest Openings”) will be between 0.25 acres and 10 acres in size.
* Practice Lifespan: 10 years

Documentation for Payment:

* Bills for completion of work

Assistance notes from NRCS field verification

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655 Forest Trails and Landings

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 655 | Shaping and Grading | FT | $0.38 |  |  |  |
| 655 | Water Bar Installation  | EA | $47.49 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
| EQIP General | National Organic Initiative |
|  | RCPP-Young Forest |

Planning Requirements:

* If an EQIP schedule of operations includes forest-related practices on nonindustrial private forestland, the participant must implement conservation practices consistent with an approved forest management plan. A Forest Stewardship plan meets this basic forest plan requirement. However, before selecting the specific practice payment scenarios in the schedule of operations, participants may need to contact their IDNR Forester, apply for a CAP 106 Plan, or an NRCS planner with appropriate Ecological Sciences Job Approval Authority to obtain the information listed below according to the FOTG standard.
* All forest plans, other than Forest Stewardship Plans and Tree Farm Plans, must meet the 106 FMP criteria.
* Payment is for areas with existing trails with resource concerns and only for the actual area needing treatment.
* Shaping and Grading Payment is per linear foot of trail requiring treatment. Assumes a 12-foot-wide trail on a relatively flat slope.
* Practice scenarios can overlap when Shaping and Grading is needed between water bars such as for construction of broad base dips.
* Forest Stewardship Plans written by the Indiana DNR may meet this planning requirement.
* If needed, (327) Conservation Cover can be used as a supporting practice where seeding is required.
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* 655 Forest Trails and Landings Job Sheet
* Assistance notes from NRCS site inspection

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410 Grade Stabilization Structure

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 410 | Rock Rip Rap Chute | CU YD | $46.62 |  |  |  |
| 410 | Grouted Rock Rip Rap Chute | CU YD | $73.74 |  |  |  |
| 410 | Pipe Drop, Smooth Steel or CMP, <1000 CY Earthfill | SQ FT | $10.66 |  |  |  |
| 410 | Open Flow Drop Spillway | SQ FT | $122.37 |  |  |  |
| 410 | Open Flow Drop Spillway-High Overfall or sheet pile | SQ FT | $181.15 |  |  |  |
| 410 | Concrete Drop Structure | CU YD | $638.27 |  |  |  |
| 410 | Side Inlet | FT | $50.38 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP Big Pine |

Planning Requirements:

* **Rock Rip Rap Chute and Grouted Rock Rip Rap Chute:** Cubic yards for grouted and non-grouted chute is based on riprap only and does not include bedding. Convert tons to CY by dividing by 1.5 (1 CY = 1.5 Tons rip rap) (Example: 100 tons riprap / (1.5 tons/CY) = 66.67 CY)
* **Pipe Drop, Smooth Steel or CMP (Corrugated Metal Pipe)**: Square feet unit is calculated by multiplying weir length X barrel length. (Example: 36 IN diameter riser with 40 FT barrel (pipe) is 3' X 3.14 X 40' = 377 SQ FT)
* **Open Flow Drop Spillway:** Includes aluminum toe wall drop structures. Square feet unit equals feet of weir X drop height.
* **Steel Sheet Pile Structure:** Square feet unit equals feet of weir X drop height.
* **Concrete Drop Structure**: Cubic yards is volume of concrete needed for structure.
* **Side Inlet:** Straight pipe structure. Unit is based on feet of pipe length.
* **Cattle Panel Structures:** Utilize the “Side Inlet” scenario. Utilize the “Side Inlet” scenario. Footage is based on the length of weir.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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412 Grassed Waterway

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 412 | < 35 foot top width | AC | $2,290.90 |  |  |  |
| 412 | 35-55 foot top width | AC | $2,422.72 |  |  |  |
| 412 | > 55 foot top width | AC | $2,934.71 |  |  |  |
| 412 | <35 foot top width, crop season construction | AC | $2,941.35 |  |  |  |
| 412 | 35-55 foot top width, crop season construction | AC | $3,073.17 |  |  |  |
| 412 | >55 foot top width, crop season construction | AC | $3,585.16 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-Working Lands Monarch, Big Pine |

Planning Requirements:

* 412 Grassed Waterway includes the cost of seeding to the top width of each scenario. Schedule 342 Critical Area Planting for permeant seeding of areas outside of top width.
* Schedule (484) Mulching and/or (606) Subsurface Drain as appropriate.
* Use the Crop Season Construction scenarios for planned practice construction during crop field growing season which would result in foregone income beyond the top width of the grassed waterway. Example: Grassed waterway constructed during the summer months which will result in spoil spreading in the crop field (designated work area). Crop season scenario requires temporary seeding of all disturbed areas. Schedule (340) Cover Crop as needed.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Seed tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection
* Engineering As-Builts

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110 Grazing Management Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 110 | Grazing Management Plan ≤ 100 AC | NO | $1,737.90 |  |  | Y |
| 110 | Grazing Management Plan 101 to 500 AC | NO | $2,317.20 |  |  | Y |
| 110 | Grazing Management Plan 501 to 1500 AC | NO | $2,896.50 |  |  | Y |
| 110 | Grazing Management Plan 1501 to 5000 AC | NO | $3,475.80 |  |  | Y |
| 110 | Grazing Management Plan >5000 AC | No | $4,055.10 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Conservation Activity Plans |

Planning Requirements:

* A grazing management plan is a site-specific plan, developed with a client to address one or more resource concerns on land where grazing related activities or practices will be applied.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan
* Completed CAP checklist.

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561 Heavy Use Area Protection

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 561 | Gravel with Geotextile, Thick | SQ FT | $0.92 | $8,000 | $9,600 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | MRBI (Middle Wabash Deer) |

Planning Requirements:

* Any manure removed from a HUAP should be land applied (590) or stored in a Waste Storage Facility (313).
* HUAP is only eligible for EQIP assistance to address existing resource concerns caused from livestock and livestock feed/water management, and where suitable alternatives for changes in management (i.e. – avoiding vehicle use during wet periods; selecting alternative locations for feeding/staging/storage of feed; rotating livestock to other locations; etc.) have been evaluated during the planning process but are not possible.
* This includes livestock congregation areas; and vehicle or livestock use related to feed/hay management.
* HUAP is not eligible for resource concerns associated with: vehicle storage/parking, typical vehicle operation such as turning/backing/staging/parking areas, feed storage, Access Roads (refer to 560) or other typical farm-management operations not directly related to livestock feeding management.
* Required use of geotextile is defined in the FOTG standard.

Implementation Requirements:

* **Payment cap is per pad/CIN. It is not within policy to use multiple CINs to exceed the payment cap for a single HUAP.**
* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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422 Hedgerow Planting

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 422 | 1 row hedgerow – bare-root seedling planting stock | FT | $0.25 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | RCPP-Working Lands Monarch, GSS |
|  | Wildlife Habitat Fund Pools |

Planning Requirements:

* Any type/size seeding meeting the IN FOTG standard for 422 is acceptable.
* Hedgerow payment is based on the length (ft) of the hedgerow X the number of rows planned.
	+ Ex: Length of hedgerow is 500’ and there are 3 rows. Total planned amount would equal 1500’.
* For the RCPP-GGS, this practice may only be used in conjunction of one of the following core practices -Conservation Cover (327), Early Successional Habitat Development/Management (647), Prescribed Burning (338), Upland Wildlife Habitat Management (645), Tree/Shrub Establishment (612), Structures for Wildlife (649), Firebreak (394), Prescribed Grazing (528)

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Tree purchase receipts
* Assistance notes from field verification

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315 Herbaceous Weed Treatment – Invasive Species Treatment Scenarios

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 315 | Light Spot Treatment  | AC | $23.67 |  |  |  |
| 315 | Medium Spot Treatment  | AC | $69.06 |  |  |  |
| 315 | Blanket Treatment Multi Pass | AC | $96.29 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | Wildlife Habitat Fund Pools |
| EQIP Specialty Crop | WLFW 2.0 Bobwhite,  |
| GLRI Nearshore Health, Invasive Species | RCPP-Working Lands Monarch, Young Forest, GSS |

Planning Requirements:

* Blanket Treatment Multi-Pass is eligible for a single year to control existing cover in preparation for the establishment of perennial vegetation such as grasses, grass/legume/forb mixes, as needed per a management plan, job sheet, etc. A minimum of two passes of any combination of treatment methods must be used. Cannot be used on active cropland with no perennial vegetation.
* If an EQIP schedule of operations includes forest-related practices on nonindustrial private forestland, the participant must implement conservation practices consistent with an approved forest management plan. A Forest Stewardship plan meets this basic forest plan requirement. However, before selecting the specific practice payment scenarios in the schedule of operations, participants may need to contact their IDNR Forester, apply for a CAP 106 Plan, or an NRCS planner with appropriate Ecological Sciences Job Approval Authority inventory and evaluation will obtain the information listed below according to the FOTG standard.
* All forest plans, other than Forest Stewardship Plans and Tree Farm Plans, must meet the 106 FMP criteria.
* Management plans older than 12 months requires a site visit. If no significant changes are found, this must be documented in assistance notes or in an addendum to the plan. Significant changes require an addendum to the plan.
* The forestry, grazing or equivalent 315 plan must include the following elements:
	+ Identification of all species needing treatment in the land units under contract
	+ Timing and methods for treatment for all species identified for all years
	+ Estimated area of treatment. (Percentage infestation/canopy coverage of invasive species)
	+ Expected post treatment level (See 315 Herbaceous Weed Control Job Sheet)
* Eligible on **Forestland** or **Pastureland** to control: **Japanese Stilt grass, Sericea Lespedeza, Spotted Knapweed**.
* Area of Treatment will be determined as follows: If a 20-acre tract has several small areas of infestation, do not consider the entire 20 acres as needing treatment. Total acres treated are an aggregate percent of the estimated area of infestation.
* Example: if 10% of a 20 acre area is affected, then two (2) acres (20 AC X 10% = 2AC) is considered the treated acres and eligible for payment.
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.
* This practice may be planned as part of the RCPP-GGS only in support of one of the following core practices -Conservation Cover (327), Early Successional Habitat Development/Management (647), Prescribed Burning (338), Upland Wildlife Habitat Management (645), Tree/Shrub Establishment (612), Structures for Wildlife (649), Firebreak (394), Prescribed Grazing (528)

Implementation Requirements:

* Eligible for up to three payments per contract. Year one scenario must be scheduled as Blanket Treatment scenario followed by either Medium then the Low scenario.
* Participant must complete subsequent years of treatment as needed as part of operation and maintenance.
* Practice Lifespan: 5 years

Documentation for Payment:

* Assistance notes from NRCS site inspection

Documentation for Payment:

Assistance notes from NRCS site inspection

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315 Herbaceous Weed Treatment – Tree and Shrub Post-Planting Weed Control

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 315 | Tree and Shrub Post-Planting Weed Control | AC | $82.68 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Wildlife Habitat Fund Pools |
|  | WLFW 2.0 Bobwhite,  |

Planning Requirements:

* Post-Planting herbicide treatment is eligible for the year following the tree planting year for a total of one payment per land unit.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Receipts for completed work
* Assistance notes from NRCS field verification

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603 Herbaceous Wind Barrier

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 603 | Cool Season Annual/Perennial Species | FT | $0.06 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | RCPP-Working Lands Monarch |
| EQIP Specialty Crop |  |

Planning Requirements:

* Refer to the IN FOTG standard 603 for considerations and requirements

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection

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325 High Tunnel System

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 325 | High Tunnel System, Quonset Style | SQ FT | $2.64 | $5,750 | $6,904 |  |
| 325 | High Tunnel System, Gothic Style | SQ FT | $3.10 | $6,752 | $8,080 |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
|  | National Organic Initiative |

Planning Requirements:

* This practice applies only to cropland where extension of the growing season is needed due to climate conditions and crops are grown in the natural soil profile.
* Permanently raised beds may be installed to improve soil condition, fertility, and access. This meets the definition of natural soil profile.
* 325 is ineligible for crops not grown in the natural soil profile (i.e. tables/benches, portable pots, etc.), or for any use other than crop production.
* High tunnels may be planned to be in a fixed location or portable meaning rotated within or among enrolled, eligible land under control of the participant. All the land where a portable high tunnel will be rotated to during the contract must be included in the contract.
* Planners must document which type of high tunnel the participant plans to install (fixed or portable) in the conservation plan with the appropriate conservation practice narrative.

Implementation Requirements:

* **Maximum payment cap is per participant regardless of the number of applications in the current year.**
* It is not permissible (under 515.81 D (4)) to move the high tunnel during the contract period to land that is not in the contract for 325 at the time of obligation.
* Practice Lifespan: 5 years

Documentation for Payment:

* Copy of Manufacturers Specifications
* Self-certification sheet for Seasonal High Tunnel installation
* Assistance Notes from NRCS field verification

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114 Integrated Pest Management Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 114 | IPM Management CAP Small - Specialty < 50 AC | NO | $1,516.88 |  |  |  |
| 114 | IPM Management CAP Medium 51 - 250 AC | NO | $1,941.60 |  |  |  |
| 114 | IPM Management CAP Large > 250 AC | NO | $3,033.75 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Conservation Activity Plans |

Planning Requirements:

* Pest Management Conservation System(IPM) is an ecosystem-based strategy that is a sustainable approach to manage pests using a combination of techniques such as chemical tools biological control, habitat manipulation, and modification of cultural practices and use of resistant varieties.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan and CAP checklist.

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154 Integrated Pest Management Herbicide Resistance Weed Conservation Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 154 | IPM Herbicide Resistance Weed Management CAP Small-Specialty ≤ 50 Acres | NO | $1,820.25 |  |  |  |
| 154 | IPM Herbicide Resistance Weed Management CAP Medium 51 - 250 Acres | NO | $2,366.33 |  |  |  |
| 154 | IPM Herbicide Resistance Weed Management CAP Large - > 250 Acres | NO | $3,640.50 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Conservation Activity Plans |

Planning Requirements:

* An Pest Management Conservation System (IPM) Herbicide Resistance Weed Conservation Plan documents decisions by producers who agree to implement a system of conservation practices and IPM techniques with an emphasis on herbicide use orientation to suppress herbicide resistant weeds at same time reduce the potential of herbicide resistant weeds establishing again in the treated area of cropland by utilizing the four IPM strategies: Prevention, Avoidance, Monitoring and Suppression.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan and CAP checklist.

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449 Irrigation Water Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 449 | Irrigation Water Management for Row Crops | AC | $8.47 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National On-Farm Energy Initiative |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop |  |

Planning Requirements:

* Management must decrease non-point source pollution of surface or ground water resources or result in increased efficiency of water use or increased energy efficiency.
* Include a soil health practices such as 329, 345, and/or 340, to increase infiltration, reduce runoff and reduce evapotranspiration by increasing residue cover.
* Eligible on all irrigated crop types.
* A uniformity test and flow monitoring is required the first year payment is received.
* Payment is for detailed record keeping, data collection, and irrigating according to an approved irrigation scheduling program (such as Purdue's Michiana Irrigation Scheduler or equivalent).
* Payment provided only for existing irrigation systems. **Participant must have irrigated 2 of the past 5 years per EQIP policy.**
* The participant's statement or the DC knowledge of this is acceptable proof.
* A payment cap of $4,500 per year applies for this practice on applications through the On-Farm Energy Initiative.

Implementation Requirements:

* Eligible for up to three payments per contract.
* Practice Lifespan: 1 year

Documentation for Payment:

* Records of uniformity test/flow monitoring results
* Assistance notes from field verification
* Records from irrigation scheduling

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118 Irrigation Water Management Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 118 | Irrigation Water Management Plan | NO | $2,370.90 |  |  |  |
| 118 | Irrigation Water Management CAP w/ pump test | No | $3,725.70 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Conservation Activity Plans |

Planning Requirements:

* The objective of irrigation water management (IWM) is to control the volume, frequency, and rate of water for efficient irrigation. Measurements of soil moisture, plant water use, and climate provide feedback to decide when to irrigate, and how much water to apply.
* Include soil health practices such as 329, 345 and/or 340, as applicable, to increase infiltration, reduce runoff and reduce evapotranspiration by increasing residue cover.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan and CAP checklist.

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670 Lighting System Improvement

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 670 | Lighting – LED | EA | $9.25 | $10,000 | $12,000 | Y |
| 670 | Lighting – Outdoor or High Bay Bulb Replacement | EA | $180.56 | $10,000 | $12,000 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National On-Farm Energy Initiative |

Planning Requirements:

* **Lighting – Indoor Bulb Replacement**: Payment is only authorized for replacing current non-LED bulbs with LED bulbs that meet the minimum recommendations in the energy audit and result in an energy savings.

Implementation Requirements:

* NRCS will not provide design or TSP payment for design services for this practice.  A design and installation checkout must be provided by a P.E., TSP, or other professional and according to the practice Statement of Work at the expense of the participant.
* Payment for 670 is eligible only as identified through a completed On-Farm Energy Audit (AgEMP 128) to achieve an energy savings. If needed, applicant may apply for a separate Conservation Activity Plan contract for an Agricultural Energy Design Plan (AgEDP 136), to be implemented in the same year.
* Payment cap is per contract regardless of the number of fixtures recommended for replacement in the energy audit. Participants may not use multiple contracts to exceed payment cap.
* Practice Lifespan: 10 years

Documentation for Payment:

* A P.E. or other professional as listed in the statement of work, must provide as-builts and sign that the practice was installed according to the plans and NRCS standards prior to payment.
* Product and/or installation receipts
* Assistance notes from field verification of installation
* Documentation from audit recommending practice amount, type and location
* Submit to State Conservation Engineer (or designee) for approval

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468 Lined Waterway or Outlet

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 468 | Rock Lined | CU YD | $62.43 |  |  |  |
| 468 | Turf Reinforced Matting | SQ FT | $0.88 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) |  |

Planning Requirements:

* Rock lined cubic yards is based on rock riprap with geotextile only and does not include bedding. Convert tons to CU YD by dividing by 1.5 (1 CU YD = 1.5 tons riprap), Example: 20 tons riprap / (1.5 tons/CU YD) = 13.33 CU YD.

Turf reinforcement mat may not be used for scenarios with permanent water or long duration tail waterImplementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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516 Livestock Pipeline

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 516 | Above Ground Pipeline | FT | $0.88 |  |  | Y |
| 516 | Buried Pipeline, <2in Plastic | FT | $1.60 |  |  | Y |
| 516 | Bedded Pipeline | FT | $3.00 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | WLFW 2.0 Bobwhite,  |
| MRBI (Middle Wabash Deer) |  |

Planning Requirements:

* All 516 scenarios are only eligible to be scheduled for grazing livestock/wildlife watering purposes and are not eligible in conjunction with any irrigation practices or confined feeding operations.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.
* Is only eligible for WLFW 2.0 projects when completed in conjunction with a prescribed grazing plan.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-Builts

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484 Mulching

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 484 | Natural Material Full Coverage | AC | $322.74 |  |  |  |
| 484 | Erosion Control Blanket Vegetation Establishment | AC | $5,991.42 |  |  |  |
| 484 | Erosion Control Blanket for Endangered Species, Vegetation Establishment | AC | $7,108.91 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-Working Lands Monarch, Big Pine |

Planning Requirements:

* 484 is only eligible to support another practice for the purpose of establishment of permanent vegetative cover.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Assistance notes from NRCS site inspection
* Documentation of the extent of mulch applied
* Invoices for purchased mulching materials and application of mulch

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590 Nutrient Management-Basic

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 590 | Basic NM (Non-Organic/Organic) | AC | $6.03 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-WLEP, Big Pine, Soil Health Reclaimed Mine Land |

Planning Requirements:

* Eligible on cropland or pastureland if at least one of the following 3 scenarios is not occurring but #1 will occur and either #2 or #3 will also be implemented:
1. **Soil Testing has not occurred within the last four years, but regular soil testing will occur**.
2. **Nitrogen is currently being applied for corn in the fall/early winter without a nitrification inhibitor. Nitrogen will now not be applied in the fall/early winter or will be injected (late fall/early winter/spring) with a nitrification inhibitor. Fall application of DAP and MAP are permitted** only in fields with a soil test phosphorus level of <50 ppm (100 lbs.) per acre, and no other P applications permitted in fields with a soil test phosphorus level of >50 ppm (100 lbs.) per acre**.** *Applications of P are not permitted on frozen soil or snow/ice covered ground.*
3. **Nitrogen is currently applied for corn as a single pre-plant application (minus starter) but will be split applied pre-plant/side-dressed or all side-dressed. Fall application of DAP and MAP are permitted** only in fields with a soil test phosphorus level of <50 ppm (100 lbs.) per acre, and no other P applications permitted in fields with a soil test phosphorus level of >50 ppm (100 lbs.) per acre**.** *Applications of P are not permitted on frozen soil or snow/ice covered ground.*
* Erosion must be controlled to “T” at a minimum as documented with current soil erosion estimation tools. If tillage is used in the fall / early winter, surface applications of fertilizer must occur prior to the tillage.
* Concentrated flow erosion must be controlled/stabilized. Ephemeral erosion that forms annually will be controlled to limit nutrient transport.
* Only one 590 scenario may be scheduled for a land unit at any given time in a contract.
* **Combinations of multiple NM scenarios on an operation are not permitted in a contract. If a participant applies manure on part of the offered acres, use the “w/Manure” scenario for all the acres.**
* Irrigation Water Management (449) is required to be implemented when 590 is applied to irrigated land.
* The 590 plan must be developed prior to the practice implementation. CAP 104 may be used as the 590 plan but must be a separate EQIP application.

Implementation Requirements:

* Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
* Payment cap is per year. Participants may not use multiple contracts to exceed payment cap or three payments maximum.
* Practice Lifespan: 1 year

Documentation for Payment:

Completed NMP Checklist

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590 Nutrient Management-Basic with Manure and/or Compost

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 590 | Basic NM with Manure and/or Compost (Non-Organic/Organic |  | $12.88 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-WLEB, Big Pine, Soil Health Reclaimed Mine Land |

Planning Requirements:

* Available for cropland and pasture/hay fields where manure and/or compost is being utilized. Must meet the following requirements:
	+ **Only fields with a soil test phosphorus level of <50 ppm (100 lbs.) per acre may receive any additional phosphorus.**
	+ **Soil tests must have been completed within the last 4 years to be valid.** The minimum number of acres necessary for the manure application shall be based on the IDEM "Manure Application Land Requirements."
* Criteria for payment in fields that will receive the manure/compost and will result in the following changes in current manure management (does not apply to fields not receiving manure):
	+ Pre-side dress soil nitrate test (PSNT) and/or chlorophyll meter (SPAD) are not currently being used, but will be completed on cropland receiving manure to fine-tune manure/compost N credits. Follow Purdue University CES publication ([AY-314-W](https://www.agry.purdue.edu/ext/pubs/AY-314-W.pdf) or [AY-317-W](https://www.agry.purdue.edu/ext/pubs/AY-317-W.pdf)) guidelines.
	+ *Manure/compost may not be applied on frozen or snow/ice covered ground.*
	+ Manure and other forms of P are only applied to fields with soil test phosphorus levels < 50 ppm (100 lbs.) per acre.
	+ Erosion must be controlled to “T” at a minimum as documented with current soil erosion estimation tools.
	+ Concentrated flow erosion must be controlled/stabilized. Ephemeral erosion that forms annually will be controlled to limit nutrient transport.
	+ Irrigation Water Management (449) is required to be implemented when 590 is applied to irrigated land.
* Cover Crops (340) establishment prior to, during or after summer / fall / early winter manure applications are strongly encouraged to help immobilize nutrients (N & P).
* Where an applicant is importing or exporting manure, they must provide a contract/agreement that shows the terms of receiving or exporting manure for the life of the EQIP contract.
* Land under a newly written CNMP plan is eligible for 590 Basic NM w/Manure as long as it is not prohibited by other provisions in this section.
* The applicant can be the generator or receiver of the waste and must have control of the fields that receive the manure/compost during the life of the contract.
* Municipal sewage sludge applications are not eligible.
* **Only one 590 scenario may be scheduled for a land unit at any given time in a contract. Combinations of multiple NM scenarios on an operation are not permitted in a contract. If a participant applies manure on part of the offered acres, use the “w/Manure” scenario for all the acres.**
* The 590 plan must be developed prior to the practice implementation. CAP 104 may be used as the 590 plan but must be a separate EQIP application.

Implementation Requirements:

* Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
* Payment cap is per year. Participants may not use multiple contracts to exceed payment cap or three payment maximum.
* Practice Lifespan: 1 year

Documentation for Payment:

* Completed NMP Checklist

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590 Nutrient Management Basic Precision

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 590 | Basic Precision (Non-Organic/Organic) | AC | $39.00 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Initiative |
| MRBI (Middle Wabash Deer) | RCPP-WLEB, Big Pine, Soil Health Reclaimed Mine Land |

Planning Requirements:

* Eligible on cropland only if one or more of the following 4 scenarios is not currently occurring, but #1 & #2 will occur and either #3 or #4 will also be implemented:
1. **Intensive soil sampling (Grid or Soil Management Zone = 5 AC or less).**
2. **Intensively managed nutrient application rate (variable rate for P, K, and lime) for all years on all applications.** NOTE: Variable rate does not apply to starter fertilizer for corn/wheat, N applications, manure applications and/or small grain top-dress (N or P).
3. **Nitrogen is currently applied for corn as a single pre-plant application (minus starter) but will be split applied pre-plant/side dressed or all side-dressed to corn** (fall application of N is not allowed except as noted below).
4. **Nitrogen is currently fall or early spring pre-plant applied without a nitrification inhibitor, but a nitrification inhibitor will be used on early spring pre-plant** (fall application of N is not allowed except as noted below) nitrogen.
* **Additionally, fall application of P (DAP/MAP) are permitted** up to Land Grant University agronomic rates for phosphorus on grids/zones where soil test levels for phosphorus do not exceed 50 ppm (100 lbs.) per acre, **and a cover crop is seeded**. *Applications of any P source are not permitted on frozen or snow/ice-covered ground.*
	+ If tillage is used, the following must occur:
		- Only tillage activities that meet the “Additional Criteria to Maintain or Improve Soil Quality” in the 345 standard **(use of "Indiana modified no-till" equipment that will result in a STIR rating of less than 30)** are allowed.
		- MAP/DAP/manure must be placed prior to tillage for shallow incorporation.
	+ The cover crop must be seeded ahead of, or at the same time as fall tillage.
	+ If manure is applied, the following must occur**:**
		- No applications of P are permitted on fields with a soil test phosphorus level >50 ppm (100 lbs.) per acre.
		- **Cover Crops (340) establishment prior to, during or after summer / fall / early winter manure applications are required** to help immobilize nutrients (N & P).
		- Organic application rates will not exceed the planned N needs of next year’s crop (regardless of estimated losses due to timing or method of application plus include starter N) or 2 years of crop P2O5 removal = application rate is lowest rate of these 2.
* *No phosphorus applications allowed on frozen or snow/ice covered ground*
* No phosphorus applications allowed where soil test phosphorus levels exceed 50 (100 lbs.) ppm per acre.
* **Only one 590 scenario may be scheduled for a land unit at any given time in a contract.**
* Enhanced (NM Grid) Nutrient Management can follow Basic Management; however, Basic Nutrient Management cannot follow Enhanced (NM Grid) Nutrient Management.
* Erosion must be controlled to “T”, at a minimum, as documented with current soil erosion estimation tools.

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* Concentrated flow erosion must be controlled/stabilized. Ephemeral erosion that forms annually will be controlled to limit nutrient transport.
* The 590 plan must be developed prior to the practice implementation. CAP 104 may be used as the 590 plan but must be a separate EQIP application.
* Irrigation Water Management (449) is required to be implemented when 590 is applied to irrigated land.

Implementation Requirements:

* Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
* Payment cap is per year. Participants may not use multiple contracts to exceed payment cap or three payments maximum.
* Practice Lifespan: 1 year

Documentation for Payment:

* Completed NMP Checklist

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590 Nutrient Management – NM Grid/Zone Soil Sampling, Variable Rate – Deep Placement

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 590 | NM GRID/ZONE Soil Sampling, Variable Rate – Deep Placement  | AC | $51.13 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-WLEB, Big Pine, Soil Health Reclaimed Mine Land |

Planning Requirements:

* **Intensive soil sampling (Grid or Soil Management Zone = 5 AC or less) will be completed every 4 years or less.** Soil samples will be collected from at least 2 varying depths from the same core to analyze for stratification.
* **All phosphorus fertilizer** (DAP, MAP, etc.) **will be injected** (deep placement ≥2” below the soil surface) **instead of broadcast** (injected = fall or spring, strip-till or no-till or low/reduced disturbance equipment, or no-till in-furrow at planting). Full width tillage is not allowed. P will not be applied to frozen or snow/ice-covered ground).
	+ **Intensively managed nutrient application placement (variable rate for P, K, and lime) for all years on all applications.** NOTE: Variable rate does not apply to starter fertilizer for corn/wheat, and/or small grain top-dress (N or P).
	+ No applications of P are permitted on grid/zones with a soil test phosphorus level >50 ppm (100 lbs.) per acre**.**
	+ Phosphorus fertilizer will be applied based on crop removal or LGU recommendations. Application rate is not to exceed more than 2 years of crop P2O5 removal.
	+ *No phosphorus applications allowed on frozen or snow/ice covered ground.*
	+ Nitrogen applications to fields will be split applied pre-plant/side dressed or all side-dressed or nitrogen will be applied in early spring pre-plant with a nitrification inhibitor (fall application not allowed – except for portion in DAP/MAP). Fall N application for wheat is permitted.
	+ Cover crops (340) are encouraged.
* **All organic (manure) phosphorus** (liquid and dry manure) **will be injected** (deep placement ≥2” below the soil surface) **instead of broadcast** (injected = fall or spring, strip-till or no-till or low/reduced disturbance equipment, or no-till in-furrow at planting). Full width tillage is not allowed. *P will not be applied to frozen or snow/ice-covered ground.*
	+ Additional potassium fertilizer (up to LGU rates, if lacking from manure applications) and lime will be applied using variable rates for all years on all applications. NOTE: Variable rate does not apply to starter fertilizer for corn/wheat, and/or small grain top-dress (N or P).
	+ No applications of P are permitted on fields/manure management zones/grids with a soil test phosphorus level >50 ppm (100 lbs.) per acre**.**
	+ Organic application rates will not exceed the planned N needs of next year’s crop (regardless of estimated losses due to timing or method of application plus include starter N) or 2 years of crop P2O5 removal = application rate is lowest rate of these 2.
	+ Liquid manure applications must be injected (strip-till / no-till / no full width tillage). Dry manure may only be injected (full-width broadcast application or incorporation are not authorized in this scenario).
	+ *No phosphorus applications allowed on frozen or snow/ice covered ground.*
	+ Additional nitrogen applications to fields (including manure N credits and planned starter N) will be split applied pre-plant/side dressed or all side-dressed or nitrogen will be applied in early spring pre-plant with a nitrification inhibitor (fall application not allowed). Fall N application for wheat is permitted.
	+ Cover crops (340) are required.
* **Only one 590 scenario may be scheduled for a land unit at any given time in a contract.**
* This scenario can follow other scenarios; however, other scenarios cannot follow this one.
* Erosion must be controlled to “T”, at a minimum, as documented with current soil erosion estimation tools.
* Concentrated flow erosion must be controlled/stabilized. Ephemeral erosion that forms annually will be controlled to limit nutrient transport.
* The 590 plan must be developed prior to the practice implementation. CAP 104 may be used as the 590 plan but must be a separate EQIP application.
* Irrigation Water Management (449) is required to be implemented when 590 is applied to irrigated land.

Implementation Requirements:

* Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
* Payment cap is per year. Participants may not use multiple contracts to exceed payment cap or three payments maximum.
* Practice Lifespan: 1 year

Documentation for Payment: Completed NMP Checklist

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590 Nutrient Management – Small Farm Nutrient Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 590 | Small Farm NM (Non-Organic/Organic) | NO | $204.99 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-WLEB, Big Pine, Soil Health Reclaimed Mine Land |

Planning Requirements:

* This scenario is eligible for truck crops, orchards and other specialty crops, (including organic) are grown and the operation size is generally 50 acres or less.
* If the operation is greater than ~50 acres, consider scheduling 590 Basic Nutrient Management in lieu of this scenario.
* Producer may receive multiples of this payment for each crop production system. For example, a producer with a small-scale grain production system and a vegetable production system would be eligible for two times the payment per year for up to three years.
* The 590 plan must be developed prior to the practice implementation. CAP 104 may be used as the 590 plan but must be a separate program application.

Implementation Requirements:

* Eligible for up to three payments per contract per year. Practice must be scheduled for consecutive years.
* Practice Lifespan: 1 year

Documentation for Payment:

* Completed NMP Checklist

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590 Nutrient Management – Adaptive Nutrient Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 590 | Adaptive NM | NO | $1,851.61 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-WLEB, Big Pine, Soil Health Reclaimed Mine Land |

Planning Requirements:

* Eligible on cropland only. Payment is per field/plot where **strip trial** is conducted.
* Refer to [National Agronomy Tech Note No. 6 (TN\_190\_AGR\_7)](http://directives.sc.egov.usda.gov/viewerFS.aspx?hid=33790) for information about setting up strip trials.
* Design, implementation and evaluation will require the participation of a qualified private or public entity such as Purdue University Cooperative Extension Service, MRBI project partner, or other entity with the expertise to provide this assistance.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Completed NMP Checklist
* Documentation of the strip trial location and results

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104 Nutrient Management Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 104 | NM CAP ≤ 100 AC (Not part of a CNMP) | NO | $1,820.25 |  |  |  |
| 104 | NM CAP 101-300 AC (Not part of a CNMP) | NO | $2,427.00 |  |  |  |
| 104 | NM CAP > 300 AC (Not part of a CNMP) | NO | $3,033.75 |  |  |  |
| 104 | NM CAP ≤ 100 AC (Element of a CNMP) | NO | $3,033.75 |  |  |  |
| 104 | NM CAP 101-300 AC (Element of a CNMP) | NO | $4,247.25 |  |  |  |
| 104 | NM CAP > 300 AC (Element of a CNMP) | NO | $5,157.38 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| Conservation Activity Plans | RCPP-WLEB, Big Pine, Soil Health Reclaimed Mine Land |
| MRBI (Middle Wabash Deer) |  |

Planning Requirements:

* Nutrient management plans are documents of record of how nutrients will be managed for plant production and to address the environmental concerns related to the offsite movement of nutrients from agricultural fields.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan and CAP checklist

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319 On-Farm Secondary Containment Facility

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 319 | Double Wall Tank | GAL | $1.57 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
| EQIP General | National Organic Initiative |

Planning Requirements:

* See IN FOTG Standard 319 for considerations and requirements. Other options to provide secondary containment (around an existing tank) must be approved by the State Conservation Engineer.
* Payment rate based on gallons of tank being replaced.

Implementation Requirements:

* Existing singles-wall tanks that are being replaced must no longer be used after the new tank is installed.
* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts, receipts and/or other documentation to demonstrate the purchased tank meets NRCS standards and that replaced tank is no longer in use.

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582 Open Channel

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 582 | Two Stage Ditch\* | FT | $9.90 |  |  |  |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | RCPP-WLEB, Notre Dame Project |

Planning Requirements:

* Eligible only for the conversion of an existing ditch to a **Two-Stage ditch** as described in the additional criteria of the 582 FOTG Standard.
* Eligible for existing constructed channels with > 1 square mile drainage area. Payment cap is per ditch system in a contract.
* **Site evaluation by person with adequate engineering approval is required prior to contract obligation.**
* **Shared Ditches** (ditches along property boundaries):
	+ If an (582) Open Chanel Two Stage Ditch adjoins two properties with separate owners, both owners must apply on the same application to ensure implementation.
	+ In the case of a shared ditch, participants must decide how to divide the payment shares for the practice at the time of application.
* (582) Open Channel does not include the cost of seeding. Add (342) Critical Area Planting as a separate component for the seeding of this practice.
* Add (484) Mulching - Erosion Control Blanket as a separate component of this practice as needed.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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595 [Pest](#IPM_Basic_Field) Management Conservation System – Basic IPM Field, 1 Resource Concern

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 595 | Basic IPM Field, 1 Resource Concern | AC | $8.59 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health, Invasive Species |
| EQIP General | Monarch Butterfly HDP |
| EQIP Specialty Crop | National Organic Initiative |
|  | RCPP-Reclaimed Mine Land, Working Lands Monarch |

Planning Requirements:

* Eligible on cropland and pastureland where pesticides are applied not currently under a pest management plan that follows IPM principles (i.e. scouting, pest identification, field history, treatment threshold) for all pesticide applications.
* Eligible on cropland, only if two or more of the following four scenarios is not currently occurring, but all four will be implemented:
1. **At least three pest scouting trips per crop year are not currently occurring but will be completed at emergence, mid-season and late season.**
2. **Foliar applications (fungicides and insecticides) are currently not based on economic thresholds but will now be applied only when field scouting discovers pests (e.g. diseases, insects, weeds) at economic threshold levels, as referenced in a Purdue extension/scientific publication or a predicted threat by Purdue University Specialist.**
3. **Use of precision equipment with automated section or boom shut-off capabilities to minimize overlap and to avoid environmentally sensitive areas is not currently being used but will be used.**
4. **Insecticide seed treatment is currently used on all soybeans but will now only be used if an early season infestation by seed/seedling feeder insects are identified by scouting, past infestations are common to a field or a problematic management scenario is used. Refer to Purdue Extension publication: “Soybean Insect Control Recommendations – Current Year”** [**E-77-W**](https://extension.entm.purdue.edu/publications/E-77.pdf)**.**
* **Consider using the 250 or 500 rate insecticide seed treatment on corn, if available, unless an early season infestation by seed/seedling feeder insects are identified by scouting, past infestations are common to a field or problematic management scenario is used. Refer to Purdue Extension publication: “Corn Insect Control Recommendations-current year”** [**E-219-W**](https://extension.entm.purdue.edu/publications/E-219.pdf)
* **NOTE:** environmentally sensitive areas will be geo-referenced for all pesticide applications per the 595 standard-includes applicable setbacks, perennial water bodies, surface inlets, buffers, sinkholes-surficial opening and/or lowest point, etc.
* Follow all pesticide label setbacks (as applicable for water bodies, properties and other environmentally sensitive areas) for herbicides, insecticides, and fungicides.
* The Pest Management Plan must be developed prior to the practice application. CAP 114 may be used as the plan but must be a separate program application.

Implementation Requirements:

* Eligible for up to three payments per contract.
* Payment cap is per year. Practice must be scheduled in consecutive years.
* Participants may not use multiple contracts to exceed payment cap or three payments maximum.
* Practice Lifespan: 1 year

Documentation for Payment:

* Completed PMP Checklist; Scouting reports

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595 [Pest](#IPM_Basic_Field) Management Conservation System – Basic IPM Fruit/Vegetable, 1 Resource Concern

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 595 | Basic IPM Fruit/Vegetable, 1 Resource Concern | AC | $60.56 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | Monarch Butterfly HDP |
| EQIP Specialty Crop | National Organic Initiative |
|  | RCPP-Reclaimed Mine Land, Working Lands Monarch |

Planning Requirements:

* Planner must document which pesticides are being used on the offered land prior to application approval.
* Follow all pesticide label setbacks (as applicable for water bodies, properties and other environmentally sensitive areas) for herbicides, insecticides, and fungicides.
* Foliar pesticide applications are only allowed when: field scouting discovers pests (e.g. diseases, insects, weeds) at economic threshold levels, as referenced in a Purdue Extension/scientific publication or a predicted threat by Purdue University Specialist.
* Follow IPM principles (e.g. scouting, pest identification, field history, treatment threshold) for all pesticide applications.
* Pest Management Conservation System (IPM) techniques will include monitoring and forecasting, reduced-risk pesticides, reduced technology, cultural control and biologically based control, as applicable, for the crop to be grown.

Implementation Requirements:

* The Pest Management Plan must be developed prior to the practice application. CAP 114 may be used as the plan but must be a separate program application.
* Eligible for up to three payments per contract.
* Payment cap is per year. Practice must be scheduled for consecutive years.
* Participants may not use multiple contracts to exceed payment cap or three payment maximum.
* Practice Lifespan: 1 year

Documentation for Payment:

* Completed PMP Checklist; Scouting reports

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595 [Pest](#IPM_Basic_Field) Management Conservation System -IPM Small Farm 1 Resource Concern

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 595 | IPM Small Farm 1 Resource Concern | EA | $500.73 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Monarch Butterfly HDP |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | RCPP-Reclaimed Mine Land, Working Lands Monarch |

Planning Requirements:

* Planner must document all pesticides (i.e., all products ending in “-icides”) being used on the offered land prior to application approval.
* Small Farm scenario only applies to acreages where the applicable Field, Fruit/Veg or Orchard payment would be less for the total acres than the Small Farm scenario total.
* Follow all pesticide label setbacks (as applicable for water bodies, properties and other environmentally sensitive areas) for herbicides, insecticides, and fungicides.
* Follow IPM principles (e.g. scouting, pest identification, field history, treatment threshold) for all pesticide applications.
* Pest Management Conservation System (IPM) techniques will include monitoring and forecasting, reduced-risk pesticides, reduced technology, cultural control and biologically based control, as applicable, for the crop to be grown.

Implementation Requirements:

* Pest Management Plan must be developed prior to the practice implementation. CAP 114 may be used as the plan but must be a separate program application.
* Eligible for up to three payments per contract.
* Practice must be scheduled for consecutive years.
* Participants may not use multiple contracts to exceed three payment maximum.
* Practice Lifespan: 1 year

Documentation for Payment:

* Completed PMP Checklist; Scouting reports

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595 [Pest](#IPM_Basic_Field) Management Conservation System – Basic IPM Orchard 1 Resource Concern

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 595 | Basic IPM Orchard 1 Resource Concern | AC | $143.81 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health, Invasive Species |
| EQIP General | Monarch Butterfly HDP |
| EQIP Specialty Crop | National Organic Initiative |
|  | RCPP-Reclaimed Mine Land, Working Lands Monarch |

Planning Requirements:

* Planner must document which pesticides are being used on the offered land prior to application approval.
* Follow all pesticide label setbacks (as applicable for water bodies, properties and other environmentally sensitive areas) for herbicides, insecticides, and fungicides.
* Foliar pesticide applications are only allowed when: field scouting discovers pests (e.g. diseases, insects, weeds) at economic threshold levels, as referenced in a Purdue Extension/scientific publication or a predicted threat by Purdue University Specialist.
* Follow IPM principles (e.g. scouting, pest identification, field history, treatment threshold) for all pesticide applications.
* Pest Management Conservation System (IPM) techniques will include monitoring and forecasting, reduced-risk pesticides, reduced technology, cultural control and biologically based control, as applicable, for the crop to be grown.

Implementation Requirements:

* The Pest Management Plan must be developed prior to the practice application. CAP 114 may be used as the plan but must be a separate program application.
* Eligible for up to three payments per contract
* Payment cap is per year. Practice must be scheduled for consecutive years.
* Participants may not use multiple contracts to exceed payment cap or three payments maximum.
* Practice Lifespan: 1 year

Documentation for Payment:

* Completed PMP Checklist; Scouting reports

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146 Pollinator Habitat Enhancement Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 146 | Pollinator Habitat Enhancement Plan CAP | NO | $2,528.19 |  |  |  |
| 146 | Pollinator Habitat Enhancement Plan CAP - No Local TSP | NO | $3,671.90 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Monarch Butterfly HDP |
|  | Conservation Activity Plans |

Planning Requirements:

* A pollinator habitat enhancement plan is a site-specific conservation plan developed for a client that addresses the improvement, restoration, enhancement, expansion of flower-rich habitat that supports native and/or managed pollinators.
* Non-Local Scenario only eligible when TSP travel distance is greater than 600 miles from participant's operation.

Implementation Requirements:

* Practice Lifespan: 1 Year

Documentation for Payment:

* Copy of completed plan and CAP checklist

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378 Pond

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 378 | Embankment, Tile Conduit | CU YD | $2.34 | $10,000 | $11,500 |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
| EQIP General | National Organic Initiative |

Planning Requirements:

* Ponds (378) are only allowed as a source for livestock watering in an existing grazing system or under the provisions in Part 515 Subpart I. Livestock must be excluded from accessing the pond. Ponds are not eligible for a watering source for confined livestock operations.
* When planning a water source for livestock, planner must document assistance presented to producers to evaluate the economics of different water source options (pond, well, pipeline to municipal water). If another economic water source is available, a secondary resource concern of gully erosion must be present at the pond site.
* Add (342) Critical Area Planting as a separate component with pond as necessary.
* Ponds must be sized for the grazing need or the minimum to meet the practice standard.

Implementation Requirements:

* Practice Lifespan: 20 years
* Payment cap is per contract.

Documentation for Payment:

* Engineering As-Builts

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520 Pond Sealing or Lining, Compacted Soil Treatment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 520 | Soil Dispersant – Uncovered | CU YD | $5.09 |  |  | Y |
| 520 | Bentonite Treatment – Uncovered | CU YD | $48.44 |  |  | Y |
| 520 | Compacted Earth Liner | CU YD | $5.28 |  |  | Y |
| 520 | Material haul < 1 mile | CU YD | $8.24 |  |  | Y |
| 520  | Material haul > 1 mile | CU YD | $9.73 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
| EQIP General | National Organic Initiative |

Planning Requirements:

* Pond Sealing or Lining only allowed for Waste Storage Facility (313) and Waste Storage Lagoons (359).
* Payment based on CU YD of liner material.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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521 Pond Sealing or Lining, Geomembrane or Geosynthetic Clay Liner

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 521 | Flexible Membrane – Uncovered without liner drainage or venting | SQ YD | $10.97 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |

Planning Requirements:

* Pond Sealing or Lining only allowed for Waste Storage Facility (313) and Waste Storage Lagoons (359).

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-Builts

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338 Prescribed Burning

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 338 | Grassland, Small acreage (≤10 AC)\* | AC | $37.00 |  |  |  |
| 338 | Woodland Small acreage (≤10AC)\* | AC | $103.17 |  |  |  |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | WLFW 2.0 Bobwhite,  |
| Wildlife Habitat Fund Pools | Monarch Butterfly HDP |
| GLRI Invasive Species | RCPP-Young Forest, GSS |

Planning Requirements:

* Grassland is only eligible where acreage has Prescribed Burning Plan as part or in conjunction with a Wildlife Habitat Management Plan. Eligible on any size field or burn area needed.
* Woodland is only eligible where acreage has a Prescribed Burning Plan and is recommended in a Forest Stewardship Forest Plan, a CAP Forest Management Plan, or a Forest Plan meeting 106 FMP criteria. Eligible on any size forest stand or burn area needed.
* A Prescribed Burn Plan meeting 338 Standards is required for payment. NRCS employees are not authorized to write a prescribed burn plan. The Prescribed Burn Plan must be written by a qualified individual.
* Schedule only one scenario per field depending on the acres of the field.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.
* This is a core practice of the RCPP-GGS. At least one core practice must be scheduled for each RCPP-GGS contact.
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance.
* **Per National policy on Planning Prescribed Burns (GM\_190\_413.13), the client must be informed in writing of their potential liability. The following liability statement is included in the 338 Prescribed Burning practice narrative. “The landowner is liable for any damages resulting from a prescribed burn”.**

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Prescribed Burn Plan author confirms that the Burn Plan address all items n the 338 Standard and complies with local, state and federal burning laws. See Indiana NRCS 338 Prescribed Burn Plan Checklist.
* Site visit by NRCS Prescribed Burn Specialist (Brian Kruse) or
* documentation from IDNR District Wildlife Biologist

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112 Prescribed Burning Conservation Activity Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 112 | Prescribed Burning Plan ≤ 20 acres | NO | $278.85 |  |  |  |
| 112 | Prescribed Burning Plan 21 – 100 acres | NO | $446.16 |  |  |  |
| 112 | Prescribed Burning Plan 101 – 250 acres | NO | $669.24 |  |  |  |
| 112 | Prescribed Burning Plan 251 – 500 acres | NO | $892.32 |  |  |  |
| 112 | Prescribed Burning Plan 501 – 1000 acres | NO | $1,115.40 |  |  |  |
| 112 | Prescribed Burning Plan > 1000 acres | NO | $1,338.48 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Conservation Activity Plans |

Planning Requirements:

* A prescribed burning plan is a site-specific plan developed with a client that addresses one or more resource concerns on land through the use of fire.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan

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528 Prescribed Grazing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 528 | Low Intensity > 7 Day Rotation Frequency | AC | $20.20 |  |  | Y |
| 528 | High Intensity ≤ 2 Day Rotation Frequency | AC | $43.79 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health, GLRI Invasive Species |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | WLFW 2.0 Bobwhite,  |
| MRBI (Middle Wabash Deer) |  |

Planning Requirements:

* Payments will also be available for other practices required as part of the conservation plan.
* "Stop grazing" heights must be verified/documented by the field office with at least 80% of the enrolled acreage under 528 meeting the standard to be eligible for payment.
	+ **Commencing or completing another grazing practice does not satisfy the requirements for certifying 528 for payment.**
* Refer to the [Grazing Technical Note 1](https://efotg.sc.egov.usda.gov/references/public/IN/Grazing_Tech_Note_1_Grazing_Systems.pdf) for descriptions of the Grazing System for each scenario.
* Payment includes the typical scenario cost of temporary, movable fencing.
* Payment for 528 is not eligible in the same year on acreage receiving Nutrient Management (590) Basic Management.
* A written prescribed grazing plan is required to be completed prior to implementation. Plan must be written by a qualified individual.
* Combinations of Low and High Intensity are eligible if the Low precedes High and not\ more than three payments are made in the contract total.
* Combinations of Low and High in the same year in a contract are not eligible regardless of the potential they could be scheduled of different land.
* This is a core practice of the RCPP-GGS. At least one core practice must be scheduled for each RCPP-GGS contact.
* When feasible, prescribed grazing (528) should be contracted after all required infrastructure is installed and operational. Pipeline, watering facilities, HUAP’s, forage planting, fence, and other associated practices should be installed prior to including 528 in contracts, ideally, in this same order.

Implementation Requirements:

* Eligible for up to three payments per contract. Practice must be scheduled for consecutive years.
* Participants may not use multiple contracts to circumvent the three-payment maximum.
* Practice Lifespan: 1 year

Documentation for Payment:

* Assistance notes from NRCS site visit documenting proper stop grazing heights on at least 80% of the enrolled acreage.
* Copy of the prescribed grazing plan and completed [Prescribed Grazing Checklist](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_030816.pdf).

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533 Pumping Plant

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 533 | Livestock Water Deep Well Pump (>25 FT) | NO | $1,369.42 |  |  | Y |
| 533 | Pump with Sump | NO | $2,523.55 |  |  | Y |
| 533 | Solar Pump for Shallow Well or Spring Development | NO | $1,228.69 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National On-Farm Energy Initiative |
| EQIP General | MRBI (Middle Wabash Deer) |
| EQIP Specialty Crop | National Organic Initiative |

Planning Requirements:

* Scenarios listed above are only eligible for grazing livestock water. Not eligible in conjunction with confined feeding operations or for irrigation purposes.
* “Pump with Sump” scenario is to be used for installation of pumps that require a sump or pump house be installed with the pump.
* “Solar Pump for Well” is to be used where a solar pump is planned for any water source, including well, pond or stream.
* The only scenario eligible for the **Energy Initiative** is the “Solar Pump for Well”, in which an existing pump is converted to a solar pump.
* A payment cap of $5,000 for this practice per contract applies if submitted for ranking through the On-Farm Energy Initiative.

Implementation Requirements:

* Practice Lifespan: 15 Years

Documentation for Payment:

* Engineering As-Builts

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345 Residue and Tillage Management, Reduced Till

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 345 | Residue and Tillage Management, Reduced Till | AC | $14.81 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
|  | RCPP-WLEB |

Planning Requirements:

* **Must meet the “Additional Criteria to Maintain or Improve Soil Quality” in the 345 standard (use of "High Residue Full Width Tillage" equipment that will result in a STIR rating of less than 30) to receive payment.**
* Land must have been mulch tilled/modified no tilled and/or no tilled for no more than 5 consecutive years in order to be eligible for payment.
* The crop rotation for the contract period must include at least two years of a mulch till high residue crop during the contract.
	+ Examples of high residue crops include: Corn (grain), Millet, Milo, Oats, Popcorn, Cereal Rye, Sorghum, Sorghum-Sudan Grass Hybrid, Triticale and Wheat.
* If needed, payments can be provided for 590-Nutrient Management and 595 Pest Management Conservation System and associated CAPS (e.g. 104, 114) if the respective practice requirements are met.
	+ This is to address issues that may limit the success of Mulch Till implementation. Payments will be provided for Nutrient and Pest Management practices as well if requirements are met.
* 345 can only precede 329 in a contract where 345 is used as a transition from conventional tillage to 329.
* If a contract contains 345 and 329 as a way to transition, the total number of years of payment may not exceed three when combined with 329.
* This is the only case in which both 345 and 329 can be used on one contract.
* The following Agronomy Tech Notes will be discussed with participants: [Entry Phase Management](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_5_Agronomy_Entry_Phase_No_Till.pdf); [Nitrogen Management](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_8_Agronomy_NoTill_Nitrogen_Management.pdf); [Planter Settings for No-Till](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_9_Agronomy_No_Till_Planter_Settings.pdf), [Top 15 Basics for No-Till Management](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_13_Agronomy_Top_15_No_Till_Basics.pdf), [High Residue IPM – Insects](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_14_Agronomy_High_Residue_IPM_Insects.docx), [High Residue IPM - Diseases](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_16_Agronomy_High_Residue_IPM_Diseases.docx), and [High Residue IPM - Weeds](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_15_Agronomy_High_Residue_IPM_Weeds.docx)

Implementation Requirements:

* Eligible for only one payment per contract.
* Payment cap is per year.
* Practice Lifespan: 1 year

Documentation for Payment:

* Assistance notes from visual inspection
* RUSLE2 runs for before and after tillage scenarios.

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329 Residue and Tillage Management No Till

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 329 | No Till/Strip Till  | AC | $17.26  |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP-WLEB, Reclaimed Mine Land |

Planning Requirements:

* A STIR rating of less than 20 must be documented with RUSLE 2 to receive this payment.
* This practice must be applied to the same acres in three consecutive years in which payments are made.
* Only land that has been no-tilled 5 consecutive years or less is eligible for payment based on the Indiana NRCS 329 Practice Standard.
* The crop rotation for the contract period must include at least two years of a no-till high residue crop during the contract.
	+ Examples of high residue crops include: Corn (grain), Millet, Milo, Oats, Popcorn, Cereal Rye, Sorghum, Sorghum-Sudan Grass Hybrid, Triticale and Wheat.
* To ensure that past issues that may limit the success of No Till implementation are adequately understood by the participant and addressed, the following  Agronomy Tech Notes will be discussed with and given to the participant: [Entry Phase Management](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_5_Agronomy_Entry_Phase_No_Till.pdf); [Nitrogen Management](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_8_Agronomy_NoTill_Nitrogen_Management.pdf); [Planter Settings for No-Till](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_9_Agronomy_No_Till_Planter_Settings.pdf), [Top 15 Basics for No-Till Management](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_13_Agronomy_Top_15_No_Till_Basics.pdf), [High Residue IPM – Insects](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_14_Agronomy_High_Residue_IPM_Insects.docx), [High Residue IPM - Diseases](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_16_Agronomy_High_Residue_IPM_Diseases.docx), and [High Residue IPM - Weeds](https://efotg.sc.egov.usda.gov/references/public/IN/Technical_Note_15_Agronomy_High_Residue_IPM_Weeds.docx)
* If needed, payments can be provided for 590-Nutrient Management and 595 Pest Management Conservation System and associated CAPS (e.g. 104, 114) if the respective practice requirements are met.
* 345 may only precede 329 in a contract where 345 is used as a transition from conventional tillage to 329.
* If a contract contains both 345 and 329 as a transition, the total amount of payment may not exceed three for any combination of 345 and 329.
* This is the only case in which both 345 and 329 can be used on one contract.

Implementation Requirements:

* Eligible for up to three payments per contract. Practice must be scheduled for consecutive years. Payment cap is per year.
* Participants may not use multiple contracts to exceed payment cap or three payment maximum.
* Practice Lifespan: 1 year

Documentation for Payment:

* Assistance notes from field verification

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643 Restoration of Rare or Declining Natural Communities

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 643 | Savanna or Prairie Restoration, Heavy | AC | $263.10 |  |  |  |
| 643 | Woodland Restoration, Heavy | AC | $191.81 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health, GLRI Invasive Species |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Wildlife Habitat Fund Pools |
|  | RCPP-GSS |

Planning Requirements:

* See the IN FOTG standard 643 for considerations and requirements.
* These scenarios are intended to remove or reduce woody plant canopy and utilize chemical treatment to restore and manage the declining natural community.
* Prior to ranking Woodland Restoration, practice must be planned and identified as necessary in a forest plan meeting the Forest Management Plan (106) standard. A plan developed outside of EQIP financial assistance meets this requirement if the plan meets the 106 standard. Forest Stewardship Plans written by the Indiana DNR may meet this requirement.
* Savanna or Prairie Restoration is where greater than 60% canopy cover is in undesirable non-herbaceous cover.
* Woodland Restoration scenario is where basal area removal is >40 ft2 or >400 stems per acre.
* This practice may be planned as part of the RCPP-GGS only in support of one of the core practices:
Conservation Cover (327), Early Successional Habitat Development/Management (647), Prescribed Burning (338), Upland Wildlife Habitat Management (645), Tree/Shrub Establishment (612), Structures for Wildlife (649), Firebreak (394), Prescribed Grazing (528)

Implementation Requirements:

* Savanna Restoration’s final canopy cover should range between 20%-40% cover and must follow VII. Restoration of Existing Degraded Habitats criteria of the 643 FOTG standard.
* Woodland Restoration scenarios are found on non-floodplain soil series with moderately to excessively drained soils. The final canopy coverage should range between 50%-70% and must follow VI. Open Oak Woodlands or VII. Restoration of Existing Degraded Habitats criteria of the 643 FOTG standard.
* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts as applicable
* Job Sheets or Planting/Seeding Specifications as applicable
* Assistance notes from field verification

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391 Riparian Forest Buffer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 391 | Bareroot trees and shrubs | AC | $689.68 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | Wildlife Habitat Fund Pools |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| GLRI Nearshore Health | RCPP-Working Lands Monarch |
|  |   |

Planning Requirements:

* Natural regeneration of riparian buffers is not permitted for purposes of ranking or payment.
* Inclusion of seedlings from natural regeneration is allowable when determining planting success.
* Livestock shall be excluded with a fence according to the FOTG standards 382 Fence and 472 Access Control.
* Only sites adjacent to perennial streams are eligible for funding.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Tree purchase receipts
* Assistance notes from field verification

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390 Riparian Herbaceous Cover

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 390 | Native Grass | AC | $487.86 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Monarch Butterfly HDP |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Wildlife Habitat Fund Pools |
| GLRI Nearshore Health |  |

Planning Requirements:

* See the IN FOTG standard 390 for considerations and requirements.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.
* Soil test and fertility recommendations and fertilizer receipts as applicable.
* Assistance notes from NRCS site inspection

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558 Roof Runoff Structure

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 558 | Roof Gutter Small  | FT | $6.95 | $13,620 | $16,000 | Y |
| 558 | Rock Trench Drain | FT | $5.70 | $13,200 | $15,860 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | MRBI (Middle Wabash Deer) |

Planning Requirements:

* Add (620) Underground Outlet as a component of this practice as needed. 620 payment caps do not pertain to this practice.
* Rock Trench Drain scenario does not include 606 Subsurface drain. Schedule 606 as needed.
* Roof Gutter scenario not eligible in conjunction with 325 High Tunnel Systems. Rock trench is the only scenario eligible to be used in conjunction with a high tunnel to address concentrated flow runoff.

Implementation Requirements:

* Payment cap applies per gutter system.
* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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367 Roofs and Covers

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 367 | Flexible Membrane Cover | SQ FT | $3.31 | $50,000 | $57,500 | Y |
| 367 | Roof Structure, 33 feet to 60 feet wide | SQ FT | $8.08 | $50,000 | $57,500 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | MRBI (Middle Wabash Deer) |

Planning Requirements:

* Any application that includes a practice needing a roof must include (367) Roofs and Covers.
* The conservation plan associated with the EQIP contract must, at a minimum, address all water quality resource concerns related to the livestock facility.
* Refer to the [CNMP Manure & Wastewater Handling & Storage Inspection Checklist](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_030953.doc) for assistance.
* Roofs and covers is eligible over both existing waste storage and livestock area, if applicable.
* Roofs and covers for shade or hay/feed storage **are not** eligible.
* Producers are required to obtain their own Professional Engineer (no NRCS or TSP design available) IF not utilizing standard NRCS roof design.
* Flexible membrane covers eligible over existing liquid waste storage facilities and waste storage lagoons or in conjunction with an eligible 313 or 359 in an EQIP application.
* Use of the scenario “Roof Structure, 33 feet to 60 feet wide” is not restricted to buildings 33 feet to 60 feet wide. It can be used for any building width.

Implementation Requirements:

* Payment cap applies to each roof structure.
* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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604 Saturated Buffer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 604 | Saturated Buffer | FT | $4.51 |  |  | N |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | RCPP-Notre Dame Project |

Planning Requirements:

* See the Indiana FOTG Standard for 604 for information about planning and implementing a saturated buffer.
* Refer to (327) Conservation Cover or (342) Critical Area Planting as the seeding component in support of practice.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts as applicable.

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350 Sediment Basin

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 350 | Embankment Earthen Basin with Pipe | CU YD | $5.20 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |

Planning Requirements:

* Embankment earthen basin with pipe is only eligible on sites with > 30-acre drainage area, otherwise use Water and Sediment Control Basin (638).
* This practice requires that the NRCS Area RMS participate in the planning and alternative discussion with the participant and planner.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-builts

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646 Shallow Water Development and Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 646 | Low Level Management, Natural Ponding | AC | $28.17 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |
| Wildlife Habitat Fund Pools |  |

Planning Requirements:

* Eligible only on cropland.
* Payment is for the seasonal flooding/dewatering of cropland for the benefit of migratory waterfowl.
* This scenario is eligible on sites where flooding occurs naturally and will be managed for migratory waterfowl.
* Provides habitat for wildlife (shorebirds, waterfowl, wading birds, mammals, fish, reptiles, amphibians) and other species in which lifecycles require shallow water, mudflats, and/or associated vegetation.

Implementation Requirements:

* Eligible for up to three payments per contract.
* Practice Lifespan: 1 year

Documentation for Payment:

* Assistance notes from NRCS field verification
* Records of when fields were flooded/dewatered

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381 Silvopasture Establishment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 381 | Bareroot Conifer Establishment | AC | $135.18 |  |  | Y |
| 381 | Bareroot Trees and Shrubs with Tree Protection | AC | $23.65 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | RCPP-Working Lands Monarch |
| EQIP Specialty Crop |  |

Planning Requirements:

* Only species meeting the 381 standard or NRCS state forester are eligible for payment.
* Only eligible for adding trees to pasture for shade.
* Practice is not eligible where trees are already present.
* Five percent (5%) of planned acreage must be planted to trees.
* Not eligible for exclusion fencing.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Tree planting plan
* Receipts from tree purchase
* Assistance notes from field verification

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116 Soil Health Management Plan CAP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 116 | Soil Health Management Plan - CAP | NO | $2,005.85 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Conservation Activity Plans |

Planning Requirements:

* A Soil Health Management Plan develops alternatives for annual and perennial cropland systems, including orchards and vineyards to address the following resource concerns: soil organic matter depletion, compaction, soil organism habitat loss or degradation, aggregate instability, and concentration of salts or other chemicals. This plan does not apply to pasture, rangeland, or forestland.
* Conduct a whole-farm inventory and evaluate and document current conditions on 2 conservation management units (CMU’s) using the following protocols:
	+ An in-field laboratory soil health assessment will be performed on 2 CMU’s
	+ In-field assessments must be state approved and conducted according to [Soil Health Technical Note 450-03](https://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=43754.wba) and consist of all of the following “basic” indicators: soil organic carbon, aggregation, bioavailable nitrogen, carbon mineralization (respiration), and permanganate oxidizable carbon (active carbon)..
	+ A comprehensive chemical soil test based on state-approved procedure is required.
* Irrigated systems should consider an irrigation water suitability lab analysis.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan
* Completed Cropland In-Field Soil Health Assessment Worksheet

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216 Soil Testing Activity

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| ~~216~~ | ~~Basic Soil Health Assessment~~ | ~~NO~~ | ~~$86.93~~ |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | TBD |

Planning Requirements:

* Due to a data management issue, this practice is not offered in FY2020.
* A Soil Testing includes Soil Health Assessments and Heavy Metal Testing.
* Additional information will be provided for this activity.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Copy of completed plan

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574 Spring Development

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 574 | Horizontal Pipe with Collection Box | NO | $1,777.43 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | WLFW 2.0 Bobwhite |

Planning Requirements:

* (574) Spring Development is only eligible to be scheduled where livestock will be excluded from stream or, wetlands currently being used as a watering source for grazing livestock or to develop an existing, undeveloped spring currently being used as a livestock watering source.
* A wetland determination may be required to ensure wetland compliance requirements met.
* Planners must ensure considerations have been made so that wildlife are not negatively impacted by developing a spring.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-Builts

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442 Sprinkler System

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 442 | Conversion to Center Pivot or Linear Move System | FT | $50.12 |  |  |  |
| 442 | Sprinkler Conversion to Low Pressure | FT | $4.23 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |

Planning Requirements:

* Payment is for upgrading existing systems to make them more energy and/or water efficient.
* The need for upgrading the existing system to be more energy and/or water efficient must be identified in an Irrigation Water Management Plan meeting the 118 standard prior to receiving payment.
* **Upgrade must include one or both of the following:**
1. **Nozzle replacement of different type or to replace if > 5 years old.**
2. **Pressure regulator replacement or installation.**
* Participant must also implement Irrigation Water Management (449) prior to receiving payment for 442.

Implementation Requirements:

* Payment cap is per system. Maximum payment for three systems on separate land units per contract.
* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-builts

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578 Stream Crossing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 578 | Rip Rap Crossing | SQ FT | $2.74 |  |  | Y |
| 578 | Concrete Crossing | SQ FT | $6.26 |  |  | Y |
| 578 | Culvert Installation | DIA-IN FT | $2.59 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop |   |

Planning Requirements:

* See the IN FOTG standard 578 for considerations and requirements.
* EQIP assistance is only available for this practice for current grazing systems where there is an existing resource concern and there is a need to provide stable crossing for livestock.
* The unit type of “diameter inch-feet” is calculated by multiplying the culvert diameter in inches by the length in feet. Example 30 inch diameter, which is 40 feet long is 30 X 40 = 1,200 IN FT.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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580 Streambank and Shoreline Protection

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 580 | Stone Toe protection with Vegetation | FT | $33.28 | $8,000 | $8,000 |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
| EQIP General | RCPP-Working Lands Monarch, Two-Stage Ditch |

Planning Requirements:

* **This practice may only be used as a supporting practice with practice 582 Open Channel-Two Stage Ditch.**

Implementation Requirements:

* Eligible for only one payment per contract.
* Payment cap is per participant.
* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-Builts

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585 Stripcropping

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 585 | Stripcropping – wind and water erosion | AC | $1.06 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | RCPP-Working Lands Monarch |
|  |   |

Planning Requirements:

* Crop Strips will be no wider than 360 feet.

Implementation Requirements:

* Eligible for only one payment per contract.
* Payment cap is per contract.
* Practice Lifespan: 5 year

Documentation for Payment:

* Assistance notes of NRCS site inspection OR
* Records provided by participant

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395 Stream Habitat Improvement and Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 395 |  Riparian Zone Improvement, Forested | AC | $2,985.02 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Wildlife Habitat Fund Pools |
|  |  |
|  | RCPP-Working Lands Monarch |

Planning Requirements:

* Contact the State Conservation Engineer for additional guidance prior to including this practice in an EQIP application.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Engineering As-Builts

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587 Structure for Water Control

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 587 | Inline Stoplog WCS, Surface Water Control 6-10 in Diameter Pipe\* | EA | $2,435.35 |  |  |  |
| 587 | Inline Stoplog WCS, Surface Water Control 12-18 in Diameter Pipe\* | EA | $3,881.41 |  |  |  |
| 587 | Inline Stoplog WCS, Surface Water Control >18 in Diameter Pipe\* | EA | $6,810.84 |  |  |  |
| 587 | Inline WCS, Subsurface Drainage Control, Float Activated Head Pressure Valve\* | EA | $938.12 |  |  |  |
| 587 | Automated DWM Structure\* | EA | $4,238.69 |  |  |  |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | RCPP-WLEB |

Planning Requirements:

* **Drainage Water Management Pipe, 6-10” Pipe**: Payment is for installation of water level control structure in Drainage Water Management system for outlet sizes 10" or less.
* **Drainage Water Management Pipe, 12-18” Pipe**: Payment is for installation of water level control structure in Drainage Water Management system for outlets sized 12" or larger.
* **Drainage Water Management Pipe, > 18” Pipe**: Payment is for installation of water level control structure in Drainage Water Management system for outlets sized larger than 18".
* 587 scenarios include main (606) Subsurface Drain.
* (606) Subsurface Drain only eligible as a secondary main in support of 587 Structure for Water Control and 554 Drainage Water Management. 587 and 544 must both be scheduled in the contract and the planned secondary main must be installed as non-perforated only.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-Builts

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649 Structures for Wildlife

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 649 | Edgefeathering, heavy\* | AC | $893.33 |  |  |  |
| 649 | Escape Ramp\* | NO | $57.67 |  |  |  |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Wildlife Habitat Fund Pools |
|  | RCPP-Young Forest, GSS |

Planning Requirements:

* See FOTG standard 649 Structures for Wildlife for considerations and requirements.
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.
* This is a core practice of the RCPP-GGS. At least one core practice must be scheduled for each RCPP-GGS contact.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Assistance notes from NRCS field verification.

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606 Subsurface Drain

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 606 | ≤ 5” Corrugated Plastic Pipe | FT | $1.58 |  |  |  |
| 606 | 6” Corrugated Plastic Pipe | FT | $1.97 |  |  |  |
| 606 | 8” Corrugated Plastic Pipe | FT | $4.19 |  |  |  |
| 606 | 10” Corrugated Plastic Pipe | FT | $5.35 |  |  |  |
| 606 | 12” Corrugated Plastic Pipe | FT | $5.95 |  |  |  |
| 606 | ≥ 15” Corrugated Plastic Pipe | FT | $9.77 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) | RCPP Big Pine |

Planning Requirements:

* 606 is paid only as a supporting practice to another EQIP practice in the schedule of operations.
* Payment is not to exceed the payment on the EQIP practice that 606 is supporting with exception to (412) Grassed Waterway and (587) Structure for Water Control.
* 606 planned as supporting practice to 412 is capped based on all associated practices. Example: 412 planned with 484 and 410 as associated practice. 606 cap based on combination of 410, 412, and 484.
* 606 planned as supporting practice to 587 is only eligible as a secondary main in support of 587 Structure for Water Control and 554 Drainage Water Management. 587 and 544 must both be scheduled in the contract and the planned secondary main must be installed as non-perforated only.
* In conjunction with a Grassed Waterway or Diversion, payment is limited to payment rate of 8" tile.
	+ Exception: Where an existing tile crosses a Grassed Waterway or Diversion and needs to be replaced, payment will be for replacement of the existing tile for the width of the waterway, but diameters greater than 15" will be paid at the 15" rate.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-Builts

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600 Terrace

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 600 | Grassed Terrace, with Topsoiling, Crop Season Construction | FT | $4.37 |  |  |  |
| 600 | Grassed Terrace, with Topsoiling | FT | $2.81 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
| EQIP General | National Organic Initiative |

Planning Requirements:

* (600) Terrace does not include the cost of seeding. Schedule (342) Critical Area Planting as the seeding component.
* Use the Crop Season Construction scenario for planned practice construction during crop field growing season which would result in foregone income. Example: Terrace constructed during the summer months which will result in reduced crop field production area. Temporary seeding of disturbed areas is required.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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575 Trails and Walkways

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 575 | Trail or Walkway, Rock/Gravel on Geotextile | FT | $4.74 | $2,750 |  | Y |
| 575 | Trail or Walkway, Vegetated | FT | $1.12 | $600 |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop |   |

Planning Requirements:

* Land must be under a current prescribed grazing plan or a plan must be written and implemented for the land unit where this practice is planned.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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612 Tree and Shrub Establishment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 612 | Hardwood Establishment, Bare Root | AC | $585.98 |  |  |  |
| 612 | Tree/Shrub Planted Area with Protection | AC | $719.86 |  |  |  |
| 612 | Tree/Shrub Regeneration Area with Protection | AC | $572.65 |  |  |  |
| 612 | Container Trees and Shrubs 2 gallon and larger with tree shelters, Each | each | $14.94 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | Wildlife Habitat Fund Pools |
| EQIP Specialty Crop | WLFW 2.0 Bobwhite |
| GLRI Nearshore Health | RCPP-Working Lands Monarch, Young Forest |

Planning Requirements:

* When planting on existing forestland, a forest plan must be developed prior to implementation of this practice. When planting on land not yet forested, a forest plan is not needed. Use forestland ranking questions
* Only plantings meeting the 612 standard are eligible for payment.
* Protection scenarios involve a temporary 8' high fencing materials or poly netting, designed to be moved when regeneration is established. No larger than 15 acres, as to not impede local native wildlife movement. See Purdue’s How to Build a Plastic Mesh Deer Exclusion Fence. <https://www.edustore.purdue.edu/item.asp?Item_Number=FNR-486-W> and Indiana NRCS Forestry Tech Note: Tree and Shrub Area Protection with Temporary Poly Netting
* 612 Container Trees, Regeneration with Protection and Planted with Protection must be recommended by a professional forester or wildlife biologist.
* Container scenario is mainly used in forest openings to add a species (such as Oaks) that is lacking or not expected to naturally regenerate. The larger stock will provide additional starting height to allow for competition with other seedlings. The container stock will supplement natural regeneration thus fewer container trees are needed per acre than typical bareroot tree plantings.
* Protection scenarios are only offered in areas where deer predation could be high, as prescribed by a forester or wildlife biologist.
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.
* This is a core practice of the RCPP-GGS. At least one core practice must be scheduled for each RCPP-GGS contact.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Tree planting plan (developed by IDNR professional, TSP or other forestry professional)
* Receipts from tree purchase
* Assistance notes from field verification

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660 Tree and Shrub Pruning

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 660 | Pruning | EA | $0.58 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  National Organic Initiative |
| EQIP General |  |
| EQIP Specialty Crop |  |

Planning Requirements:

* Payment is per tree pruned.
* Payment only for pruning of plantation hardwood crop trees (Black Walnut, Black Cherry, and Oak Species).
* A Forestry Plan meeting Forest Management Plan-Written (106) standard must be developed prior to receiving payment.
* NOTE: A plan developed outside of EQIP financial assistance for 106 meets this requirement as long as the plan meets the 106 standard.
* Forest Stewardship written by the IDNR may meet this requirement.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Assistance notes from field verification

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490 Tree/ Shrub Site Preparation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 490 | Light Mechanical (or Two Chemical) | AC | $89.67 |  |  |  |
| 490 | Light Mechanical with Chemical | AC | $135.68 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | RCPP-GSS |
| EQIP General | Wildlife Habitat Fund Pools |
| RCPP-Young Forest |  |

Planning Requirements:

* Refer to the FOTG standard for CPS 490 for details of planning and implementing this practice
* Also refer to Indiana FOTG 612 Standard and 612 Tree/Shrub Planting Plan (Site Prep and Weed Control section)
* Where there is an erosion potential, a temporary cover will be established.
* Chemical Application scenario involves the use of various herbicides applied using ground-based machinery in order to remove undesirable vegetation and improve site conditions for establishing trees/shrubs. Treatment can be done before or after planting.
* Chemical applications are on whole field or using narrow bands (2’-3’ wide) on each side of a plant row. Payment is based on impacted acres only. Band spraying will need to be reduced to actual acres treated. For example, a 4.5ft wide band on a 10ft wide tree row spacing would reduce the acres by 45%.
* Light Mechanical scenario involves the use of light/moderate machinery to clear above ground vegetation and to also rip/cut/lift underground root systems in order to improve site conditions for establishing trees/shrubs.
* Light Mechanical can also be used when Two Chemical Applications are necessary in one contract year. Indiana will be utilizing the “Light Mechanical” scenario to pay for this practice. “Light Mechanical” will be selected during contracting with the Two Chemical Application narrative. Payment is based on impacted acres only. Treatment can be done before or after planting.
* Light Mechanical with Chemical scenario involves the use of light/moderate machinery (such as chainsaw, mower, and/or brush hog) to clear above ground vegetation and/or to till underground root systems (primarily sod forming grasses) followed by appropriate herbicide application to improve site conditions for establishing trees and/or shrubs. This scenario can be used in tree/shrub planting and in areas naturally regenerating to trees. In forestlands that have been harvested this scenario can be used to treat undesirable vegetation to encourage regeneration of desirable woody species (such as oaks).
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.
* This practice may be planned as part of the RCPP-GGS only in support of one of the following core practices -Conservation Cover (327), Early Successional Habitat Development/Management (647), Prescribed Burning (338), Upland Wildlife Habitat Management (645), Tree/Shrub Establishment (612), Structures for Wildlife (649), Firebreak (394), Prescribed Grazing (528)

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Tree planting plan (when associated with a tree planting).
* Receipts for work completed
* Assistance notes from field verification

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620 Underground Outlet

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 620 | ≤ 5” Diameter Pipe | FT | $2.02 |  |  |  |
| 620 | 6” Diameter Pipe | FT | $2.46 |  |  |  |
| 620 | 8” Diameter Pipe | FT | $4.64 |  |  |  |
| 620 | 10” Diameter Pipe | FT | $5.99 |  |  |  |
| 620 | ≥12” Diameter Pipe | FT | $6.72 |  |  |  |
| 620 | Trickle Flow Collector | FT | $46.17 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |
| MRBI (Middle Wabash Deer) |   |

Planning Requirements:

* 620 is paid only as a supporting practice to another EQIP practice in the schedule of operations.
* Payment is not to exceed the payment on the other EQIP practice that 620 is supporting with exception to (558) Roof Runoff Structure.
* Diameters greater than 12 inches will be paid at the 12-inch diameter rate.
* Trickle Flow Collector measured by the width of the collector area. Example: 10 ft long by 30 feet wide by 1.5 deep collector would have a 30 feet unit of measurement.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-Builts

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620 Underground Outlet – Blind Inlet for Water Quality

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 620 | Blind Inlet for Water Quality\* | CU YD | $42.96 |  |  |  |

\* Denotes High Priority Practice

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | Edge of Field Water Quality Monitoring |
| MRBI (Middle Wabash Deer) | RCPP-WLEB |
|  |   |

Planning Requirements:

* **Eligible only when using the "Blind Inlet" design to convert existing tile risers to blind inlet.**
* The unit of “CU YD” is measured as the volume of aggregate material for the inlet.
* The drainage area contributing to the inlet that is under the control of the applicant and within the PLU must be managed using a conservation cropping system (Including all the following: 329, 340 & 590 Enhanced) to limit sediment and nutrients entering the inlet.
* Producer must provide sufficient documentation of existing tile including diameter, type, and location by map or flagging and verify the system is in working condition for the design.
* Participant must be informed that a blind inlet design is for the benefit of water quality and draw-down time will be slower than a typical tile riser. This may result in crop stress and maintenance will be required to maintain adequate drainage.
* The cost of the tile within the blind inlet area is included in the payment rate.
* Tubing within the Blind Inlet for Water Quality included in practice scenario.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Engineering As-Builts

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645 Upland Wildlife Habitat Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 645 | Habitat Monitoring and Management, High Intensity and Complexity | AC | $21.82 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | Wildlife Habitat Fund Pools |
| EQIP General | WLFW 2.0 Bobwhite |
| Monarch Butterfly HDP | RCPP-Working Lands Monarch, Young Forest, GSS |

Planning Requirements:

* Payment is for the participant to perform annual monitoring and evaluation at least 3 times annually (after winter, during the growing season, prior to winter) to determine if the objectives of the habitat practices are met, and to take appropriate action as needed each year.
* Monitoring and evaluation will include checking for unwanted species encroachment (invasive species, non-wildlife-friendly species such as tall fescue, Reed Canary grass, etc.); ensuring plant species are present for diversity objectives; plant species are present at desired levels; access to habitat areas for maintenance activities are accessible; firebreaks and structures are being maintained to meet their objectives; animal species and numbers are at desired levels; etc.
* Appropriate action may include additional inter-planting; additional cutting; additional planting; spot treatments; management (Prescribed Burning, disking, spraying, etc.); maintenance of access areas; maintenance of firebreaks and structures; animal species eradication or control; etc.
* NRCS will notify their IDNR District Forester about each RCPP- Young Forest application for planning and other technical assistance.
* This practice is a core practice for the RCPP-GGS. Unlike other wildlife fund pools, Upland Wildlife Habitat Management is not a requirement of RCPP-GGS, as the IDNR will be responsible for monitoring practices. However, at least one other core practice must be scheduled.

Implementation Requirements:

* Eligible for up to three payments in a contract.
* Practice Lifespan: 1 year

Documentation for Payment:

* Annual monitoring, evaluation and appropriate checklist.

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635 Vegetated Treatment Area

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 635 | VTA – Constructed Vegetative Area with Flow Distribution | AC | $4,733.44 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop |   |
|  | Edge of Field Water Quality Monitoring Initiative |

Planning Requirements:

* Schedule (632) Waste Separation Facility as needed as a component of this practice.
* Schedule (327) Conservation Cover or (342) Critical Area Planting, Native or Introduced Vegetation– Normal Tillage scenarios as the seeding component in support of practice.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Assistance notes from NRCS site inspection

Engineering As-builts

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360 Waste Facility Closure

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 360 | Earthen Basin Closure with Sludge Removal | CU FT | $0.65 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | MRBI (Middle Wabash Deer) |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop |   |

Planning Requirements:

* Payment amount is calculated as 20% of the total storage volume of existing facility to be closed.
* Requires the application/transfer of manure according to the Indiana 590 Nutrient Management Standard.  Utilize either the Nutrient Management Plan (CAP104) and/or the appropriate EQIP 590 scenario as necessary.
* Schedule (342) Critical Area Planting, Native or Introduced Vegetation– Normal Tillage scenarios as the seeding component in support of practice.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts
* Assistance notes from field verification

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632 Waste Separation Facility

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 632 | Concrete Basin | CU FT | $3.55 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |  |
| EQIP General | GLRI Nearshore Health |
| EQIP Specialty Crop | National Organic Initiative |

Planning Requirements:

* Payment based on cubic feet of storage needed.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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313 Waste Storage Facility

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 313 | Earthen Storage Facility | CU FT | $0.15 | $75,000 | $86,250 | Y |
| 313 | Dry Stack Facility-Concrete Floor with Concrete Sidewalls | CU FT | $1.82 | $50,000 | $57,500 | Y |
| 313 | Composted Bedding Pack, 6 inch Reinforced Concrete Floor | SQ FT | $8.58 |  |  |  |
| 313 | Concrete Tank Open Top <5,000 CU FT Storage | CU FT | $3.97 |  |  | Y |
| 313 | Concrete Tank Open Top 5,000-7,499 CU FT Storage | CU FT | $3.71 |  |  | Y |
| 313 | Concrete Tank Open Top 7,500-14,999 CU FT Storage | CU FT | $2.80 |  |  |  |
| 313 | Concrete Tank Open Top 15,000-24,999 CU FT Storage | CU FT | $1.50 |  |  | Y |
| 313 | Concrete Tank Open Top 25,000-49,999 CU FT Storage | CU FT | $1.52 |  |  | Y |
| 313 | Concrete Tank Open Top 50,000-74,999 CU FT Storage | CU FT | $1.21 | $75,000 | $86,250 | Y |
| 313 | Concrete Tank Open Top 75,000-109,999 CU FT Storage | CU FT | $1.10 | $75,000 | $86,250 | Y |
| 313 | Concrete Tank Open Top ≥110,000 CU FT Storage | CU FT | $0.97 | $75,000 | $86,250 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | MRBI (Middle Wabash Deer) |

Planning Requirements:

* **EQIP may not be used to implement practices to establish new Animal Feeding Operations**
* A CNMP is required to be developed for operations where EQIP assistance is provided for a 313 prior to ranking an application for 313.
* Participants are no longer required to implement all practices cited in the CNMP, when receiving EQIP funding for a 313 by the end of that contract. Participants may progressively implement practices cited in the CNMP, provided that the following are met:
	+ The practice or practices included in the schedule of operation help address or improve a resource concern and are operable and function as intended when implemented, and
	+ The producer must follow an existing nutrient management plan, or a nutrient management practice is included in the contract that adequately addresses the application of animal waste, (unless all the manure is exported).
	+ The producer must select the practices in the system that will treat the resource concerns to a level that meets or exceeds the planning criteria in the FOTG. This means the primary practice selected by the producer and all facilitating practices must meet or exceed the planning criteria.
	+ **Example:** If a producer decides to address water quality issues associated with an inadequate animal waste storage system with a dry-stack system, the participant will need to address all clean water coming into the system and all polluted water leaving the system. This may require additional supporting practices, such as a roof and cover, roof runoff management, etc. Other than a nutrient management plan, producers are not required to address resource concerns associated with other parts of their headquarters or field operations.
* To ensure all resource concerns are identified with suitable alternatives to address them, it is strongly recommended that a CNMP be completed and discussed with the producer, engineers, and TSP/consultants prior to processing applications for 313. If the NRCS planner and engineer complete a full Inventory and Evaluation of the livestock production facilities and land-application acres to identify all resource concerns required by the 102 CNMP standard, and these analyses, data and alternatives are shared and coordinated with the producer and TSP/consultant during the CNMP development phase, an application for both practice implementation and a 102 CNMP may be evaluated during the same ranking period for non-expanding AFOs.
* Refer to the [CNMP Manure & Wastewater Handling & Storage Inspection Checklist](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_030953.doc) for assistance.
* Schedule (367) Roofs and Covers as needed. (313) payment rates do not include the cost of roofs or covers.
* Animal Waste Management software (v2.4.0 or later) will be used to determine the size of the total storage facility and the subsequent amount eligible for payment. The animal numbers used to calculate the design size must be referenced in the O&M requirements for the life of the contract.
* This practice requires an NRCS Engineer participate in the planning and alternative discussion with participant and planner and provide a cost estimate prior to being added to an application.

Closing Existing Facilities to Relocate

* Existing storage/production facilities may be moved to a land unit where there is not currently waste storage only if the following apply:
1. Moving a production/storage facility to a new location for an environmental benefit such as moving away from sensitive areas and/or assistance for storage needs up to 180 days of storage and closing the current confined facility is an eligible scenario for EQIP assistance.
2. The applicant must have completed all applicable permit requirements and been approved, if applicable.
3. The current confined production/storage facility will be closed according to (360) Waste Facility Closure and will no longer be used for livestock production or waste storage. **Closure of current facility must be scheduled in the same contract.**
4. Payment for the storage facility replacing the closed production/storage facility and moving to a new location must be based only on storage capacity for the existing herd size.
5. When the production/storage facility is moving to a new location and the herd size will increase, the participant must install adequate storage to maintain current number of day’s storage though payment is limited to the size of the storage facility needed for the existing herd size.
6. The replacement production/storage facility will not be installed on land types other than existing farmstead, crop or pasture land types.

Feeding Areas in Grazing Systems (Animals excluded from grazed areas, e.g. Winter Feeding Areas)

Waste storage facilities for grazing systems are eligible if the following apply:

* A Grazing plan has been written to document that the operation has been fully evaluated to determine that there is an adequate forage base to support a grazing system, producer has adequate equipment and land to spread manure on, livestock will be excluded from pasture areas during winter feeding period.
* Livestock must not be confined for more than needed for winter feeding according to the grazing plan.
* Where composted bedding pack (dry pack) buildings are planned, design must either utilize the standard NRCS roof design or be obtained by a Professional Engineer at participant’s expense.

Cropland with Satellite Manure Storage/Manure Staging Areas

* If offered land has no animals but has been collecting and storing manure from another farm, then the applicant must have a contract to receive manure at the site for the length of the EQIP contract. The site must also currently be used for staging manure and the planner must evaluate that the current staging is actually causing a resource concern. Staging of manure does not automatically mean that a resource concern exists.
* **The planned new storage area must be placed in a location for planned manure applications on fields with a soil test phosphorus level less than 50 ppm.**
* Participant must provide NRCS with a copy of the contract to receive manure at the time of program application.
* Participant must agree to implement 590 Basic NM with Manure and/or Compost or 590 NM GRID/ZONE Soil Sampling, Variable Rate-Deep Placement on all fields where manure is spread from the new staging facility.

 Implementation Requirements:

* Payment cap is applicable per storage facility needed.
* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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629 Waste Treatment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 629 | Milking Parlor Waste Treatment System with Dosing System | EA | $6,132.32 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: |   |

Planning Requirements:

* Refer to the FOTG for more information on planning and implementing CPS 629.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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359 Waste Treatment Lagoon

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 359 | Waste Treatment Lagoon | CU FT | $0.11 | $75,000 | $86,250 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop |   |

Planning Requirements:

* Schedule (367) Roofs and Covers as needed. (359) payment rates do not include the cost of roofs or covers.
* **EQIP may not be used to implement practices to establish new Animal Feeding Operations**
* A CNMP is required to be developed for operations where EQIP assistance is provided for a 359 prior to ranking an application for 359.
* Participants are no longer required to implement all practices cited in the CNMP, when receiving EQIP funding for a 359 by the end of that contract. Participants may progressively implement practices cited in the CNMP, provided that the following are met:
	+ The practice or practices included in the schedule of operation help address or improve a resource concern and are operable and function as intended when implemented, and
	+ The producer must follow an existing nutrient management plan, or a nutrient management practice is included in the contract that adequately addresses the application of animal waste, (unless all the manure is exported).
	+ The producer must select the practices in the system that will treat the resource concerns to a level that meets or exceeds the planning criteria in the FOTG. This means the primary practice selected by the producer and all facilitating practices must meet or exceed the planning criteria.
	+ **Example:** If a producer decides to address water quality issues associated with an inadequate animal waste storage system with a dry-stack system, the participant will need to address all clean water coming into the system and all polluted water leaving the system. This may require additional supporting practices, such as a roof and cover, roof runoff management, etc. Other than a nutrient management plan, producers are not required to address resource concerns associated with other parts of their headquarters or field operations.
* To ensure all resource concerns are identified with suitable alternatives to address them, it is strongly recommended that a CNMP be completed and discussed with the producer, engineers, and TSP/consultants prior to processing applications for 313. If the NRCS planner and engineer complete a full Inventory and Evaluation of the livestock production facilities and land-application acres to identify all resource concerns required by the 102 CNMP standard, and these analyses, data and alternatives are shared and coordinated with the producer and TSP/consultant during the CNMP development phase, an application for both practice implementation and a 102 CNMP may be evaluated during the same ranking period for non-expanding AFOs.
* Animal Waste Management software (v2.4.0 or later) will be used to determine the size of the existing storage facility and the subsequent amount eligible for payment.
* If the eligible size is different from the actual design size, the designing engineer will provide AWM printout for each to be saved in the contract folder and labeled clearly. The animal numbers used to calculate the design size must be referenced in the O&M requirements for the life of the contract.
* This practice requires an on-site engineering review and cost-estimate by a NRCS Engineer prior to being added to an application.

Closing Existing Facilities to Relocate

* Existing storage/production facilities may be moved to a land unit where there is not currently waste storage only if the following apply as noted as an exception to 440 CPM Part 515 Subpart I 515.81:
1. Moving a production/storage facility to a new location for an environmental benefit such as moving away from sensitive areas and/or assistance for storage needs up to 180 days of storage and closing the current confined facility is an eligible scenario for EQIP assistance.
2. The current confined production/storage facility will be closed according to (360) Waste Facility Closure and will no longer be used for waste storage. **Closure of current facility must be scheduled in the same contract.**
3. Payment for the storage facility replacing the closed production/storage facility and moving to a new location must be based only on storage capacity for the existing herd size.
4. When the production/storage facility is moving to a new location and the herd size will increase, the participant must install adequate storage to maintain current number of day’s storage though payment is limited to the size of the storage facility needed for the existing herd size.
5. The replacement production/storage facility will not be installed on land types other than existing farmstead, crop or pasture land types.

Implementation Requirements:

* Payment cap is applicable per storage facility needed.
* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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634 Waste Transfer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 634 | Concrete channel with Curb | SQ FT | $5.21 | $5,000 | $6,000 | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop |   |
|  |  |

Planning Requirements:

* Waste Transfer is only eligible for EQIP assistance to address existing resource concerns caused from transfer of livestock waste to a waste storage facility (including 313 Waste Storage Facility, 359 Waste Treatment Lagoon, 316 Animal Mortality Facility and 317 Composting Facility), or in conjunction with a planned waste storage facility, and where suitable alternatives for changes in management have been evaluated during the planning process but are not possible.
* Waste Transfer is not eligible for resource concerns associated with: vehicle storage/parking, typical vehicle operation such as turning/backing/staging/parking areas, hay storage, Access Roads (refer to 560) or other typical farm-management operations not directly related to livestock waste management.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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638 Water and Sediment Control Basin

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 638 | Base | CU YD | $2.20 |  |  |  |
| 638 | Base, crop seasonal construction | CU YD | $2.66 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | Edge of Field Water Quality Monitoring Initiative |

Planning Requirements:

* Water and Sediment Control Basin (638) requires the following three conditions to be met to be eligible for payment:
1. Nutrient Management and Pest Management Conservation System must already be implemented or scheduled within the year the structure is being built.
2. Fields within the watershed of the structure must be managed to "T", or practices (329/345) must be scheduled in the year the structure is built that brings the soil loss to "T". Not managing to T through the lifespan of the practice may result in increased operation and maintenance costs and ineligibility for future repairs with financial assistance.
3. All requirements apply within the entire drainage area of the WASCOB, whether on the applicant's land or adjacent land.
* For existing WASCOBs to be eligible, WASCOB system must have exceeded the ten-year lifespan.
* Underground outlet (620) should be added as a supporting practice as needed.
* Encourage the construction of WASCOBs after small grain harvest and/or establish cover crops or mulch immediately after construction to minimize erosion.
* Use the Crop Season Construction scenario for planned practice construction during crop field growing season which accounts for income forgone by not cropping. Example: WASCOB constructed during the summer months which will result in reduced crop field production area. Crop season construction scenario requires temporary seeding of all disturbed areas. Schedule (340) Cover Crop as needed.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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642 Water Well

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 642 | Deep Drilled Well > 100 FT | FT | $21.00 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | EQIP Specialty Crop |
| EQIP General | National Organic Initiative |
| MRBI (Middle Wabash Deer) |  |

Planning Requirements:

* (642) Water Well only eligible when used for grazed livestock watering.
* Drilled Well scenario >100 FT may be used for any depth well.
* Eligible to increase the depth of an existing well if existing well does not currently provide adequate livestock water. If used for increasing depth of existing well, payment is only eligible for the cost of additional drilling or digging depth.
* Schedule Pumping Plant (533) for pump separately.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Completed Well Report

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351 Well Decommissioning

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 351 | Drilled ≤ 100 FT | EA | $578.50 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General |   |
| EQIP Specialty Crop |  |

Planning Requirements:

* See IN FOTG Standard 351 for considerations and requirements.
* Payment is for any well type at any depth. Eligibility is not limited to wells below 100 FT.

Implementation Requirements:

* Practice Lifespan: 20 years

Documentation for Payment:

* Assistance notes from field verification

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614 Watering Facility

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 614 | Large Permanent Tank, 450-1000 GAL, or Fountain | NO | $1,023.73 |  |  | Y |
| 614 | Portable Tank | NO | $142.48 |  |  | Y |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | WLFW 2.0 Bobwhite |
| MRBI (Middle Wabash Deer) |   |

Planning Requirements:

* 614 may only be used to meet daily water requirements and improve animal distribution. Not eligible for providing water to a confined livestock facility.
* Portable tanks will be utilized on multiple sites and not planned for each watering location.
* Schedule Heavy Use Area Protection (561) as needed for portable tanks.
* Heavy Use Area Protection (561) required for all permanent tanks and must be scheduled in the contract.

Implementation Requirements:

* Practice Lifespan: 10 years

Documentation for Payment:

* Engineering As-Builts

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658 Wetland Creation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 658 | Excavated | AC | $3,079.68 |  |  |  |
| 658 | Embankment | AC | $3,119.70 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | RCPP-Working Lands Monarch |
| EQIP Specialty Crop | Wildlife Habitat Fund Pools |
| GLRI Nearshore Health, Invasive Species | Edge of Field Water Quality Monitoring Initiative |

Planning Requirements:

* Schedule (327) Conservation Cover as the vegetation component for 658.
* Acres implemented are only those where hydrology restoration will occur and not any buffer areas. Buffers are planned under (327) Conservation Cover.
* Construction of nesting islands is NOT eligible for compensation.
* Schedule (410) Grade Stabilization Structure or (587) Structure for Water Control as appropriate.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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659 Wetland Enhancement

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 659 | Mineral Flat, Tile Removal | AC | $341.05 |  |  |  |
| 659 | Depression Sediment Removal and Ditch Plug | AC | $2,216.55 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | RCPP-Working Lands Monarch |
| EQIP Specialty Crop | Wildlife Habitat Fund Pools |
| GLRI Nearshore Health, Invasive Species | Edge of Field Water Quality Monitoring Initiative |

Planning Requirements:

* Mineral Flat Tile Removal scenario is to be used for projects with tile breaks and minimal seeding only.
* Schedule (420) Wildlife Habitat Plantings as the vegetation component for 659.
* Depression Sediment Removal and Ditch Plug involves macro-topography, levees, structures
* Acres implemented are only those where hydrology restoration will occur and not any buffer areas. Buffers are planned under (420) Wildlife Habitat Planting.
* Construction of nesting islands is NOT eligible for compensation.
* Schedule (410) Grade Stabilization Structure or (587) Structure for Water Control as appropriate.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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657 Wetland Restoration

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 657 | Tile Break | EA | $419.73 |  |  |  |
| 657 | Depression Sediment Removal and Ditch Plug | AC | $2,216.55 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | RCPP-Working Lands Monarch |
| EQIP Specialty Crop | Wildlife Habitat Fund Pools |
|  |  |
| GLRI Nearshore Health, Invasive Species |  |

Planning Requirements:

* Tile Break scenario is to be used for projects with ONLY tile breaks.
* Schedule (420) Wildlife Habitat Plantings as the vegetation component for 657.
* Depression Sediment Removal and Ditch Plug involves macro-topography, levees, and structures.
* Acres implemented are only those where hydrology restoration will occur and not any buffer areas. Buffers are planned under ((420) Wildlife Habitat Plantings.
* Construction of nesting islands is NOT eligible for compensation.
* Schedule (410) Grade Stabilization Structure or (587) Structure for Water Control as appropriate.
*

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Engineering As-Builts

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644 Wetland Wildlife Habitat Management

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 644 | Habitat Monitoring and Management, High Intensity and Complexity | AC | $21.82 |  |  |  |
| 644 | Development of Deep Micro-Topographic Features with Heavy Equipment | AC | $78.92 |  |  |  |
| 644 | Development of Shallow Micro-Topographic Features with Normal Farming Equipment | AC | $29.79 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | Wildlife Habitat Fund Pools |
| GLRI Nearshore Health | WLFW 2.0, Bobwhite |
| Monarch Butterfly HDP | RCPP-Working Lands Monarch |

Planning Requirements:

* Payment is for the participant to perform annual monitoring and evaluation at least 3 times annually (after winter, during the growing season, prior to winter) to determine if the objectives of the wetland habitat practices are met, and to take appropriate action as needed each year.
* Monitoring and evaluation will include checking for unwanted species encroachment (invasive species, non-wildlife-friendly species such as tall fescue, Reed Canary grass, etc.); ensuring plant species are present for diversity objectives; plant species are present at desired levels; access to habitat areas for maintenance activities are accessible; structures are being maintained to meet their objectives; animal species and numbers are at desired levels; etc.
* Appropriate action may include additional inter-planting; additional cutting; additional planting; spot treatments; management (Prescribed Burning, disking, spraying, etc.); maintenance of access areas; maintenance of structures; animal eradication or control; etc.
* Eligible on land that is converted permanently to wetlands.

Implementation Requirements:

* Practice Lifespan: 1 year

Documentation for Payment:

* Annual monitoring, evaluation and appropriate actions checklist.

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420 Wildlife Habitat Planting

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 420 | Moderate Species Diversity on Cropland with Foregone Income | AC | $486.31 |  |  |  |
| 420 | Specialized Habitat Requirements on Cropland with Foregone Income | AC | $787.03 |  |  |  |
| 420 | Pollinator Species with Forgone Income |  | $1054.17 |  |  |  |
| 420 | Monarch Species Mix with Foregone Income | AC | $1395.16 |  |  |  |
| 420 | Moderate Species Diversity on Fallow or Non-Cropland, no Foregone Income *(****Interseeding****)* | AC | $224.65 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | National Organic Initiative |
| EQIP General | Edge of Field Water Quality Monitoring Initiative |
| EQIP Specialty Crop | RCPP-WLEB, Working Lands Monarch, Young Forest, GSS |
| GLRI Nearshore Health | Wildlife Habitat Fund Pools |
| Monarch Butterfly HDP\*\* |  |

Planning Requirements:

* A Wildlife Habitat Evaluation Guide must be completed for the before and planned conditions for this scenario.
* Seeding mixes should be developed using the [Indiana Wildlife Seeding Calculator](http://efotg.sc.egov.usda.gov/references/public/IN/IN_NRCS_Seeding_Calculator.xlsm) found in [FOTG](https://efotg.sc.egov.usda.gov/#/) Section IV.
* All seed mixes must meet minimum standard requirements, plus any additional requirements needed to meet the scenario or species needs.

|  |  |  |
| --- | --- | --- |
| Scenario | Minimum Forb Species | Minimum Seeds per Square Foot |
| Moderate Species Diversity on Cropland with Foregone Income | 5 forbs | 20 |
| Specialized Habitat Requirements on Cropland with Foregone Income | 7 forbs | 25 |
| Pollinator Species with Forgone Income | 9 forbs | 30 |
| Monarch Species Mix with Foregone Income | See Monarch requirements | 30 |
| Moderate Species Diversity on Fallow or Non-Cropland, no Foregone Income *(****Interseeding****)* | 5 forbs | 15 |

* Monarch Butterfly Requirements: All scenarios are available to establish monarch habitat and to plan setbacks from insecticide treatment areas as applicable.
	+ Monarch Butterfly HDP requires the use of the updated Monarch WHEG
	+ Monarch seeding specifications have been updated to reflect a 1.5% of total mix (in seeds per square foot) be at least one (1) milkweed species (more than one encouraged- total 1.5% of the mix)
	+ At least 60% of the forb mixture must be monarch preferred nectar producing forbs. Use the 2019 Addendum to the Important Plants of the Monarch Butterfly Planting List Midwest Region (updated in Indiana Wildlife Calculator).
	+ Required setbacks and pest management requirements are updated in the Monarch WHEG
	+ Select “Monarch” as the Priority Species when the planting will meet monarch specifications and the Monarch WHEG is used in planning (all fund pools).
* Select the appropriate priority species in Toolkit when practices are planned for the WLFW 2.0 projects.
* This is a core practice of the RCPP-GGS. At least one core practice must be scheduled for each RCPP-GGS contact.

Implementation Requirements:

* Practice Lifespan: 5 years

Documentation for Payment:

* Seed Tags
* Documentation to show how much seed was applied (e.g. seed invoice).
* Documentation of field preparation and seeding method.

Assistance notes from NRCS site inspection.

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380 Windbreak/Shelterbelt Establishment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 380 | 1 row windbreak, bare-root trees | FT | $0.28 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | RCPP-Working Lands Monarch |

Planning Requirements:

* See IN FOTG Standard 380 for considerations and requirements for this practice.
* Windbreak payment is based on the length (ft) of windbreak X the number of rows planned in the windbreak
	+ Ex: Length of windbreak is 500’ and there are 3 rows. Total planned amount would equal 1500’.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Tree purchase receipts
* Assistance notes from field verification

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650 Windbreak/Shelterbelt Renovation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Practice Code | Scenario | Unit Type | Payment Rate | Max Payment Cap | Max HU Cap | Livestock Practice |
| 650 | Within Row Replacement, Bare Root Planting Stock | FT | $0.30 |  |  |  |

|  |  |
| --- | --- |
| Practice Scenario applicable to ranking pools: | GLRI Nearshore Health |
| EQIP General | National Organic Initiative |
| EQIP Specialty Crop | RCPP-Working Lands Monarch |

Planning Requirements:

* See IN FOTG Standard 650 for considerations and requirements for this practice.

Implementation Requirements:

* Practice Lifespan: 15 years

Documentation for Payment:

* Tree purchase receipts.
* Assistance notes from field verification.

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