| Agricultural Lands - South Coast/Desert Planning Criteria and Evaluation Tests - Cropland (Annual/Mixed) | | | | |
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| **Resource Concern** | **Cause** | **Type** | **Statement** | **Response** |
| Air Quality Impacts | Emission of Greenhouse Gases (GHGs) | Planning Criteria | Activities that produce GHGs emissions are not present: OR, activities that produce GHGs emissions are managed to reduce those emissions; AND, Carbon sequestration is enhanced through reduced tillage methods or other practices. GHG producing activities that should be considered include: Fertilization (manure/commercial), Tillage methods, grazing management, and forestry practices; AND GHGs are not regulated in this planning area. | Yes O or No O |
| Air Quality Impacts | Emission of Greenhouse Gases (GHGs) | Evaluation Test | Nitrogen is not applied: OR, nitrogen is applied as close as possible to crop uptake (within 30 days prior to crop planting or greenup) at recommended application rates. | Yes O or No O |
| Air Quality Impacts | Emissions of Ozone Precursors | Planning Criteria | Operations that produce ozone precursor emissions are not present; OR, or are managed to reduce emissions. Ozone precursor producing activities may include: Engines (combustion source), Pesticide application, Burning, CAFO /manure management, or fertilization (manure/commercial). | Yes O or No O |
| Air Quality Impacts | Emissions of Ozone Precursors | Evaluation Test | Pesticides are not applied; OR, an IPM plan is followed which reduces ozone precursors. IPM includes applications of pesticides, including fumigants, be applied in a way that emissions of ozone precursors are reduced; Application methods may include: spot spraying, pest/target sensing application equipment, alternative pesticide formulations, or low emission fumigation methods. | Yes O or No O |
| Air Quality Impacts | Emissions of Ozone Precursors | Evaluation Test | Nitrogen stabilizers are used when any nitrogen is applied. If nitrogen is not applied, set this test statement to NA. | Yes O or No O |
| Air Quality Impacts | Emissions of Ozone Precursors | Evaluation Test | Farm or forest harvest equipment is serviced at regular intervals to reduce emissions of ozone precursors | Yes O or No O |
| Air Quality Impacts | Emissions of Ozone Precursors | Evaluation Test | Applied manure is injected or otherwise incorporated into the soil surface. If manure is not applied, set this test statement to NA. | Yes O or No O |

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| Air Quality Impacts | Emissions of Particulate Matter (PM) and PM Precursors | Planning Criteria | Management activities do not contribute to agricultural source particulate matter (PM) or PM precursor emissions; AND, documented episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred. PM producing activity examples are: Prescribed Burn is conducted, Travel ways unpaved or untreated with binding agents, Engines (combustion source), Tillage, Pesticides are applied, Fertilization (manure/ | Yes O or No O |
| Air Quality Impacts | Emissions of Particulate Matter (PM) and PM Precursors | Evaluation Test | Field operations and activities are managed to minimize particulate emissions on the farm (i.e. multi-operation field tools, precision guidance systems, Prescribed Burn plans are implemented, and treatment/management of all non-vegetated, unpaved travel ways.) | Yes O or No O |
| Air Quality Impacts | Objectionable Odors | Planning Criteria | Activities such as pesticide or manure application are managed to reduce objectionable odors; AND, Odor sources are not regulated in this planning area; AND, Documented episodes or complaints of odor nuisance have not occurred. | Yes O or No O |
| Air Quality Impacts | Objectionable Odors | Evaluation Test | Nutrients are not applied; OR, A NMP is followed which protects air quality by reducing odors and nitrogen emissions (ammonia, oxides of nitrogen). | Yes O or No O |
| Air Quality Impacts | Objectionable Odors | Evaluation Test | Manure is not applied on this land management system; OR, manure is immediately incorporated; OR, manure is only applied when wind direction is away from human occupied areas. | Yes O or No O |
| Degraded Plant Condition | Excessive Plant Pest Pressure | Planning Criteria | Plant pest damage to plants is below economic or environmental thresholds; AND, plant pests, including noxious and invasive species are managed. | Yes O or No O |
| Degraded Plant Condition | Excessive Plant Pest Pressure | Evaluation Test | Weeds, insects, and diseases do not limit crop production. | Yes O or No O |
| Degraded Plant Condition | Excessive Plant Pest Pressure | Evaluation Test | Invasive and noxious weeds are controlled or are not present. | Yes O or No O |
| Degraded Plant Condition | Inadequate Structure and Composition | Planning Criteria | Plant communities contain adequate diversity, composition and structure to support desired ecological functions for the ecological site. | Yes O or No O |
| Degraded Plant Condition | Inadequate Structure and Composition | Evaluation Test | The current plants provide the desired habitat structure and composition. State identified invasive plants and noxious weeds are controlled. | Yes O or No O |
| Degraded Plant Condition | Undesirable Plant Productivity and Health | Planning Criteria | Plants are adapted to the site, meet production goals, and do not negatively impact other resources; AND, Plant damage from wind erosion is below crop damage tolerance levels. | Yes O or No O |

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| Degraded Plant Condition | Undesirable Plant Productivity and Health | Evaluation Test | Plants and crops are adapted to the soil and site conditions; and, plants produce average yield levels for the county in typical years. | Yes O or No O |
| Degraded Plant Condition | Wildfire Hazard, Excessive Biomass Accumulation | Planning Criteria | Wildfire hazards is not a concern; OR, Fuel loads and fuel ladders are managed to provide defensible space. | Yes O or No O |
| Degraded Plant Condition | Wildfire Hazard, Excessive Biomass Accumulation | Evaluation Test | Fire is not a typical hazard for the crop; OR, Fire protection measures such as firebreaks or activities to reduce the fuel loads around or within the crop fields are employed. | Yes O or No O |
| Livestock Production Limitation | Inadequate Feed and forage | Planning Criteria | Livestock forage, roughage, and supplemental nutritional requirements are met. | Yes O or No O |
| Livestock Production Limitation | Inadequate Feed and forage | Evaluation Test | The current crop rotation provides ample feed and/or forages to support the livestock on the farm. Soil erosion and compaction are are managed to reduce negative impacts. Set this test statement to NA if the land management system is not used for livestock production. | Yes O or No O |
| Livestock Production Limitation | Inadequate Shelter | Planning Criteria | Artificial or natural shelters meet animal health needs. | Yes O or No O |
| Livestock Production Limitation | Inadequate Shelter | Evaluation Test | Adequate shelter is provided to meet the needs of the livestock throughout the period the land management system (LMS) is utilized by livestock. If livestock do not use this LMS, set the test statement to NA. | Yes O or No O |
| Livestock Production Limitation | Inadequate Water | Planning Criteria | Water of acceptable quality and quantity is adequately distributed to meet animal needs. | Yes O or No O |
| Livestock Production Limitation | Inadequate Water | Evaluation Test | The livestock have enough drinking water of good quality. If livestock do not use this land management system, set the test statement to NA. | Yes O or No O |
| Inefficient Energy Use | Equipment and Facilities | Planning Criteria | On-site renewable energy and/or energy conserving implements have been implemented to improve energy efficiency for field operations. | Yes O or No O |
| Inefficient Energy Use | Equipment and Facilities | Evaluation Test | Energy conserving implements are used for all or some field operations. | Yes O or No O |
| Inefficient Energy Use | Equipment and Facilities | Evaluation Test | Pumps, motors, wells, etc. located on the land management system are improved efficiency models. | Yes O or No O |

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| Inefficient Energy Use | Farming/Ranching Practices and Field Operations | Planning Criteria | Reduced tillage systems or energy conserving implements are being used to improve energy efficiency for field operations. If irrigated, improved efficiency irrigation pumps are being used on the majority of irrigated fields. | Yes O or No O |
| Inefficient Energy Use | Farming/Ranching Practices and Field Operations | Evaluation Test | Irrigation water is being managed to maintain a balance of soil moisture not to exceed Field Capacity or get below wilting point (unless water quantity is a limitation). Methods include: soil moisture monitoring with sensors, evapotranspiration monitoring, or other checkbook type methods. If the land management system is not irrigated, set this test statement to NA. | Yes O or No O |
| Inefficient Energy Use | Farming/Ranching Practices and Field Operations | Evaluation Test | Improved efficiency irrigation pumps and motors are used for more than 50% of irrigation water applications. If the land management system is not irrigated, set this test statement to NA. | Yes O or No O |
| Inefficient Energy Use | Farming/Ranching Practices and Field Operations | Evaluation Test | Nutrients are not applied; OR, If nutrients are applied, a nutrient budget is used to determine all application rates, including: - Realistic yield goals, - Nutrient uptake requirements, and - Available nutrient accounting for each of the following:<br>(a) N, P, K from representative soil tests (<= 3yrs),<br>(b) Soil organic matter mineralization,<br>(c) Legumes in rotation,<br>(d) Previous applications of manure and other organic based materials,<br>(e) Planned post-harvest residual soil test levels,<br>(f) Available nutrient analysis for each nutrient source, and<br>(g) Available nutrient uptake efficiencies from planned application rate, source, method, timing and placement.<br>All state specific application setbacks are maintained for all nutrient applications. | Yes O or No O |
| Inefficient Energy Use | Farming/Ranching Practices and Field Operations | Evaluation Test | Reduced tillage and other field operations are used to reduce field passes and overall energy consumption. | Yes O or No O |
| Inefficient Energy Use | Farming/Ranching Practices and Field Operations | Evaluation Test | Pumps, motors, wells, etc. located on the land management system are improved efficiency models | Yes O or No O |

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| Soil Quality Degradation | Compaction | Planning Criteria | Soil compaction is not a problem: AND, Activities do not cause soil compaction problems AND can be documented with prior conservation planning or other on-site evaluation methods. | Yes O or No O |
| Soil Quality Degradation | Compaction | Evaluation Test | The crop rotation includes crops/cover crops with deep roots that extend through the soil profile to break up compacted layers. <see state lists> | Yes O or No O |
| Soil Quality Degradation | Compaction | Evaluation Test | Wheel/track traffic is limited to less than 50% of the soil surface. The equipment's tires/tracks are no wider than 26 inches. | Yes O or No O |
| Soil Quality Degradation | Compaction | Evaluation Test | Field operations are restricted or do not take place on wet soils suceptible to compaction. | Yes O or No O |
| Soil Quality Degradation | Concentration of Salts and other Chemicals | Planning Criteria | Salinity/sodicity problems do not exist: OR, Conservation practices and managements are in place to mitigate on-site effects. | Yes O or No O |
| Soil Quality Degradation | Concentration of Salts and other Chemicals | Evaluation Test | Irrigation water is managed to maintain a balance of soil moisture not to exceed Field Capacity or get below wilting point (unless water quantity is a limitation)? Methods include: moisture by feel, soil moisture monitoring with sensors, evapotranspiration monitoring, or other checkbook type methods. If the land management system is not irrigated, set this test statement to NA. | Yes O or No O |
| Soil Quality Degradation | Concentration of Salts and other Chemicals | Evaluation Test | Unconventional soil amendments are not applied; OR, If applied, are tested prior to application to fields and are applied according to a nutrient management system. These amendments could include industrial waste, bio-solids, organics, etc. | Yes O or No O |
| Soil Quality Degradation | Concentration of Salts and other Chemicals | Evaluation Test | Soil samples are collected and monitored for excessive salt accumulations. Management practices are adjusted to reduce salt levels if applicable. | Yes O or No O |
| Soil Quality Degradation | Organic Matter Depletion | Planning Criteria | Organic matter is not depleted below tolerable levels. SCI levels are greater than 0 on all fields in the land management system. | Yes O or No O |
| Soil Quality Degradation | Organic Matter Depletion | Evaluation Test | Cover crops are included in the crop rotation on 50% or more of the fields in the land management system to maintain adequate levels of soil organic matter. | Yes O or No O |
| Soil Quality Degradation | Organic Matter Depletion | Evaluation Test | Tillage methods that lift/invert soil are not used. There is at least 30% residue cover on the soil surface at time of planting. | Yes O or No O |

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| Excess Water | Drifted Snow | Planning Criteria | Excess water resulting from drifted snow is managed to prevent significant impacts to conservation measures and/or crop production. If drifted snow is not a concern, set this planning criteria to NA. | Yes O or No O |
| Excess Water | Drifted Snow | Evaluation Test | Measures are applied to avoid snow drifts on crops that may be harmed. If drifted snow is not a concern, set this test statement to NA. | Yes O or No O |
| Excess Water | Runoff and Flooding and Ponding | Planning Criteria | Excess water is managed to minimize the impact on conservation measures and/or crop production. | Yes O or No O |
| Excess Water | Runoff and Flooding and Ponding | Evaluation Test | Measures are applied such as residue management, grassed waterways, terraces, diversions, or filter strips to reduce excessive runoff; OR, If flooding is a concern crops and field activities are managed within the seasonal flooding periods; OR, Where ponding is a concern land leveling or shallow surface drains prevent ponding of water that limits crop production. | Yes O or No O |
| Excess Water | Seasonal High Water Table | Planning Criteria | Excess water resulting from a seasonal high water table is managed to prevent significant negative effects to conservation measures and/or crop production. If seasonal high water tables do not exist, set this planning criteria to NA. | Yes O or No O |
| Excess Water | Seasonal High Water Table | Evaluation Test | Tile drainage and drainage water management structures have been installed to ease the harmful effects of a seasonal high water table; AND, The discharge of surface/subsurface drainage systems are as prescribed by the drainage water management plan. If seasonal high water tables do not exist in the land management system, set this test statement to NA. | Yes O or No O |
| Insufficient Water | Inefficient Moisture Management | Planning Criteria | Runoff and evapotranspiration levels are minimized on cropland. Soil loss levels are less than or equal to T, crop interval STIR values are less than 80, and SCI is 0 or greater. | Yes O or No O |
| Insufficient Water | Inefficient Moisture Management | Evaluation Test | Cover crops are terminated based on RMA guidelines. If cover crops are not incorporated into the rotation, set this test statement to NA. | Yes O or No O |
| Insufficient Water | Inefficient Moisture Management | Evaluation Test | A reduced/mulch till or no-till system is implemented which leaves a minimum of 30% ground crop residue on the soil surface after planting. | Yes O or No O |
| Insufficient Water | Inefficient Moisture Management | Evaluation Test | A residue and tillage management system is implemented on all crops in the rotation which keeps at least 60% of the field surface covered after planting to increase plant available moisture. | Yes O or No O |

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| Insufficient Water | Inefficient Moisture Management | Evaluation Test | Crop types and crop sequences are carefully chosen. The local climate conditions and a water balance budget are used in the decision making process. Crop rotation includes at least 2 crop types in rotation. | Yes O or No O |
| Insufficient Water | Inefficient Use of Irrigation Water | Planning Criteria | The irrigation system components and management result in a Farm Irrigation Rating Index > 60; AND, Meets applicable State in-stream flow and lake and pond water levels requirements. If the land management system is not irrigated, or equipment on this land management system is not used to irrigate, set this planning criteria to NA. | Yes O or No O |
| Insufficient Water | Inefficient Use of Irrigation Water | Evaluation Test | An irrigation water management (IWM) plan is followed that meets the crop's needs, while maximizing irrigation water efficiency. The IWM plan schedules water application based on soil moisture monitoring and/or evapotranspiration monitoring, measures and records the amount of water used to irrigate, and the irrigation system's distribution uniformity has been evaluated and necessary changes were made. If the land management system is not irrigated, or equipment on this land management system is not used to irrigate, set this test statement to NA. | Yes O or No O |
| Insufficient Water | Inefficient Use of Irrigation Water | Evaluation Test | A reduced/mulch till or no-till system is implemented which leaves a minimum of 30% ground crop residue on the soil surface after planting. If the land management system is not irrigated, set this test statement to NA. | Yes O or No O |
| Insufficient Water | Inefficient Use of Irrigation Water | Evaluation Test | A residue and tillage management system is implemented on all crops in the rotation which keeps at least 60% of the field surface covered after planting to increase plant available moisture. If the land management system is not irrigated, set this test statement to NA. | Yes O or No O |
| Water Quality Degradation | Elevated Water Temperature | Planning Criteria | Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment; OR, The SVAP2 - riparian area quality element score is >= 5; AND, The SVAP2 - riparian area quantity element score is >= 5; AND, The SVAP2 - canopy cover element score is >= 6; OR, Existing conservation practices are in place to address water temperature. If water courses are not present, set this planning criteria to NA. | Yes O or No O |
| Water Quality Degradation | Elevated Water Temperature | Evaluation Test | More than 50% of the water surface is shaded on the length of the stream/river for this land management system. If waterbodies are not present on this land management system, set the test statement to NA. | Yes O or No O |

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| Water Quality Degradation | Elevated Water Temperature | Evaluation Test | Surface water temperatures do not limit use for fish, wildlife, invertebrates, or other intended purposes. If waterbodies are not present on this land management system, set the test statement to NA. | Yes O or No O |
| Water Quality Degradation | Excess Pathogens and Chemicals from Manure, bio-solids or Compost Applications in Ground Water | Planning Criteria | Potential sources of pathogens or pharmaceuticals are not stored or applied on the land; OR, Organic materials are applied, stored, and/or handled to mitigate negative impacts to groundwater sources. | Yes O or No O |
| Water Quality Degradation | Excess Pathogens and Chemicals from Manure, bio-solids or Compost Applications in Ground Water | Evaluation Test | Manure and other bio-solids are not stored or applied on this land management system; OR Manure and other bio solids are applied using a nutrient budget to determine all application rates, including: - Realistic yield goals, - Nutrient uptake requirements, and - Available nutrient accounting for each of the following:<br>(a) N, P, K from representative soil tests (<= 3yrs),<br>(b) Soil organic matter mineralization,<br>(c) Legumes in rotation,<br>(d) Avoiding manure applications when soils are frozen, snow covered, or saturated,<br>(e) Planned post-harvest residual soil test levels,<br>(f) Available nutrient analysis for each nutrient source, and<br>(g) Available nutrient uptake efficiencies from planned application rate, source, method, timing and placement.<br>All state specific application setbacks are maintained for all nutrient applications. Minimum setbacks are maintained from drainage ways, wells, ditched, streams, rivers, and water bodies. | Yes O or No O |
| Water Quality Degradation | Excess Pathogens and Chemicals from Manure, bio-solids or Compost Applications in Surface Water | Planning Criteria | Potential sources of pathogens or pharmaceuticals are not applied on the land; OR, Organic materials are applied, stored, and/or handled to mitigate negative impacts to surface water sources. | Yes O or No O |

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| Water Quality Degradation | Excess Pathogens and Chemicals from Manure, bio-solids or Compost Applications in Surface Water | Evaluation Test | Manure, Composts, or other bio-solids are not stored or applied on this land management system; OR Manure and other bio solids are applied using a nutrient budget to determine all application rates, including: - Realistic yield goals, - Nutrient uptake requirements, and - Available nutrient accounting for each of the following:<br>(a) N, P, K from representative soil tests (<= 3yrs),<br>(b) Soil organic matter mineralization,<br>(c) Legumes in rotation,<br>(d) Avoiding manure applications when soils are frozen, snow covered, or saturated,<br>(e) Planned post-harvest residual soil test levels,<br>(f) Available nutrient analysis for each nutrient source, and<br>(g) Available nutrient uptake efficiencies from planned application rate, source, method, timing and placement.<br>All state specific application setbacks are maintained for all nutrient applications. Minimum setbacks are maintained from drainage ways, wells, ditched, streams, rivers, and water bodies. If manure or other bio solids are not applied, set this test statement to NA. | Yes O or No O |
| Water Quality Degradation | Excess Pathogens and Chemicals from Manure, bio-solids or Compost Applications in Surface Water | Evaluation Test | Filter strips that are at least 30 feet wide are established and maintained on all areas in the land management system where filter strips are applicable. | Yes O or No O |
| Water Quality Degradation | Excess Pathogens and Chemicals from Manure, bio-solids or Compost Applications in Surface Water | Evaluation Test | Livestock access to stream is controlled; OR, Livestock are limited to small watering or crossing areas. | Yes O or No O |
| Water Quality Degradation | Excessive Sediment in Surface Water | Planning Criteria | Upslope treatment and buffer practices address concentrated flows to water bodies; AND, The SVAP2 - bank condition >= 5; AND, The livestock and vehicle water crossings are stable; AND, The water erosion rate is <= T; AND, Wind erosion rate is <= T. | Yes O or No O |

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| Water Quality Degradation | Excessive Sediment in Surface Water | Evaluation Test | All hayed acres maintain at least 75% cover all year. | Yes O or No O |
| Water Quality Degradation | Excessive Sediment in Surface Water | Evaluation Test | All temporary or permanent rills and gullies are stabilized; OR, Temporary or permanent rills and gullies do not exist. | Yes O or No O |
| Water Quality Degradation | Excessive Sediment in Surface Water | Evaluation Test | Established filter strips are at least 20 feet wide and maintained when filter strips are applicable. If filter strips are not applicable on this land management system, set the test statement to NA. | Yes O or No O |
| Water Quality Degradation | Excessive Sediment in Surface Water | Evaluation Test | The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater; AND, Have few places where concentrated runoff flows through. | Yes O or No O |
| Water Quality Degradation | Excessive Sediment in Surface Water | Evaluation Test | Drainage and erosion control measures are implemented on roads, trails and landings to minimize detrimental effects of concentrated flow, erosion and sedimentation; AND, Stream crossings are restored and stabilized. | Yes O or No O |
| Water Quality Degradation | Nutrients in Groundwater | Planning Criteria | Organic or inorganic nutrients are not applied and PLU is not grazed; OR, Nutrient and amendment applications are based on soil or tissue tests and nutrient budgets for realistic yields and conservation practices: AND, Management activities are in place to minimize ground water impacts. | Yes O or No O |
| Water Quality Degradation | Nutrients in Groundwater | Evaluation Test | Nutrients are not applied on this land management system; OR, if nutrients are applied, a nutrient budget is used to determine all application rates, including: - Realistic yield goals, - Nutrient uptake requirements, and - Available nutrient accounting for each of the following:<br>(a) N, P, K from representative soil tests (<= 3yrs),<br>(b) Soil organic matter mineralization,<br>(c) Legumes in rotation,<br>(d) Previous applications of manure and other organic based materials,<br>(e) Planned post-harvest residual soil test levels,<br>(f) Available nutrient analysis for each nutrient source, and<br>(g) Available nutrient uptake efficiencies from planned application rate, source, method, timing and placement.<br>All state specific application setbacks are maintained for all nutrient applications. | Yes O or No O |

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| Water Quality Degradation | Nutrients in Surface water | Planning Criteria | Organic or inorganic nutrients are not applied and PLU is not grazed; OR Nutrient and amendment applications are based on soil or tissue tests and nutrient budgets for realistic yields and conservation practices and management practices are in place to minimize surface water impacts. | Yes O or No O |
| Water Quality Degradation | Nutrients in Surface water | Evaluation Test | Nutrients are not applied on this land management system; OR, If nutrients are applied, a nutrient budget is used to determine all application rates, including: - Realistic yield goals, - Nutrient uptake requirements, and - Available nutrient accounting for each of the following:<br>(a) N, P, K from representative soil tests (<= 3yrs),<br>(b) Soil organic matter mineralization,<br>(c) Legumes in rotation,<br>(d) Previous applications of manure and other organic based materials,<br>(e) Planned post-harvest residual soil test levels,<br>(f) Available nutrient analysis for each nutrient source, and<br>(g) Available nutrient uptake efficiencies from planned application rate, source, method, timing and placement.<br>All state specific application setbacks are maintained for all nutrient applications. | Yes O or No O |
| Water Quality Degradation | Nutrients in Surface water | Evaluation Test | The discharge of surface/subsurface drainage systems are as prescribed by the drainage water management plan. | Yes O or No O |
| Water Quality Degradation | Nutrients in Surface water | Evaluation Test | Livestock access to streams is limited to short periods of time and small areas. | Yes O or No O |
| Water Quality Degradation | Nutrients in Surface water | Evaluation Test | The land adjacent to a stream, river, or other waterbody on the side or sides you control: - has diverse, natural plant cover typical to that along other streams within the drainage basin; - extend from the stream bank/shoreline for a distance of 35 feet; OR, (if applicable) The minimum State buffer-width requirement, whichever is greater; AND, Have few places where concentrated runoff flows through. | Yes O or No O |
| Water Quality Degradation | Nutrients in Surface water | Evaluation Test | Filter strips that are at least 30 feet wide are established and maintained on all areas in the land management system where filter strips are applicable. | Yes O or No O |
| Water Quality Degradation | Pesticides in Ground water | Planning Criteria | Pesticides are stored, handled, disposed and applied to prevent runoff, spills, leaks and leaching; AND, Conservation practices and techniques are in place to minimize ground water impacts. | Yes O or No O |

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| Water Quality Degradation | Pesticides in Ground water | Evaluation Test | Pesticides are not applied or stored on this land management system; OR, Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies; AND, Environmental risk screening tool are used (such as WIN-PST or similar LGU approved tool); AND, Application rates and timing are compliant with the label. | Yes O or No O |
| Water Quality Degradation | Pesticides in Surface Water | Planning Criteria | Pesticides are stored, handled, disposed and applied to prevent runoff, spills, leaks and leaching; AND, Conservation practices and techniques are in place to minimize surface water impacts. | Yes O or No O |
| Water Quality Degradation | Pesticides in Surface Water | Evaluation Test | Pesticides are not applied or stored on this land management system; Or,' Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies. Environmental risk screening tool are used (such as WIN-PST or similar LGU approved tool); AND, application rates and timing are compliant with the label. | Yes O or No O |
| Water Quality Degradation | Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water | Planning Criteria | Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. If present, potential pollutants are stored and handled to avoid seepage to groundwater. | Yes O or No O |
| Water Quality Degradation | Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water | Evaluation Test | Fuel storage does not occur on this land management system; OR, If required, the producer has and is following a Spill Prevention, Control, and Countermeasure (SPCC) Plan; OR, The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well; AND, Within a stable place designed to provide secondary containment if the primary means were to fail. | Yes O or No O |
| Water Quality Degradation | Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water | Planning Criteria | Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. If present, potential pollutants are stored and handled to avoid runoff to groundwater. | Yes O or No O |

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| Water Quality Degradation | Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water | Evaluation Test | Fuel storage does not occur on this land management system; OR, If required, the producer has and is following a Spill Prevention, Control, and Countermeasure (SPCC) Plan; OR, The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well; AND, Within a stable place designed to provide secondary containment if the primary means were to fail. | Yes O or No O |
| Water Quality Degradation | Salts in Ground Water | Planning Criteria | Surface salt concentrations are managed to mitigate transport to groundwater. If surface salts are not an issue, set this planning criteria to NA. | Yes O or No O |
| Water Quality Degradation | Salts in Ground Water | Evaluation Test | Surface salt concentrations are managed to mitigate transport to groundwater. If surface salts are not an issue, set this test statement to NA. | Yes O or No O |
| Water Quality Degradation | Salts in Surface Water | Planning Criteria | Surface salt concentrations are managed to mitigate transport to surface water. If surface salts are not an issue, set this planning criteria to NA. | Yes O or No O |
| Water Quality Degradation | Salts in Surface Water | Evaluation Test | Surface salt concentrations are managed to mitigate transport to surface water. If surface salts are not an issue, set this test statement to NA. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Planning Criteria | The WHSI rating is >= 0.5; AND, (when surface stream present) the SVAP2 - barriers to movement element score is >= 7; AND, the SVAP2 - fish habitat complexity element score is >= 7; AND, the SVAP2 - aquatic invertebrate habitat element score is >= 7; OR conservation practices and management practices are in place that meet or exceed species or guild-specific habitat model thresholds; OR, habitat cover is of available quality and extent to support requirements for the species of interest. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Evaluation Test | A no-till system is used that provides cover for wildlife. The orientation of the residue between harvest and establishment of the new crop supports wildlife cover. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Evaluation Test | A rotational scheme is used that simulates wet, early successional habitats that are highly attractive to wetland-associated wildlife. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Evaluation Test | All floodable fields in the land management system are managed to maintain surface water at least 4 months per year; AND, artificial supplied water or rainfall are from typical sources. | Yes O or No O |

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| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Evaluation Test | Established field borders are kept as wildlife cover and as pollinator/beneficial insect habitat. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Evaluation Test | The pond/lake, which supports a natural or planted fish population, is managed: -to exclude livestock, -to control nuisance species and undesirable aquatic vegetation controlled, -to complies with state and local regulations when stocking the pond, AND -use of a buffer zone of diverse, natural plant cover at least 35 feet wide. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Evaluation Test | The stream(s) have: - a natural, unaltered configuration, with minimal channel straightening, dredging, or bank alteration by armoring with rip-rap or other non-natural materials, - stable banks with limited erosion or bank failure; AND, human uses and/or grazing levels that do not negatively impact bank condition. If streams are not present on the land management system, set the test statement to NA. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Evaluation Test | Plant growth and cover is managed to develop and maintain habitat to help chosen wildlife species. <see State Wildlife Action Plan> | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Evaluation Test | Designated areas are planted as food and habitat for pollinators/beneficial insects. For example, planted to nectar and pollen producing plants and protected from disruption--chemical, biological, or mechanical. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Food | Planning Criteria | The WHSI rating is >= 0.5; AND, (when surface stream present) The SVAP2 - fish habitat complexity element score is >= 7; AND, The SVAP2 - aquatic invertebrate habitat element score is >= 7; OR, Conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds; OR, Food is available in quality and extent to support habitat requirements for the species of interest. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Food | Evaluation Test | Unharvested grain crops are intentionally left in the field as wildlife food on an annual basis; OR, A no-till system is used that provides food for selected wildlife species. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Food | Evaluation Test | Designated areas are planted as food and habitat for pollinators/beneficial insects; AND, Protected from disruption. For example, planted to nectar and pollen producing plants and protected from disruption - chemical, biological, or mechanical. | Yes O or No O |

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| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Habitat Continuity (Space) | Planning Criteria | The WHSI rating is >= 0.5; AND, (when surface stream present) The SVAP2 - barriers to movement element score is >= 7; AND, The SVAP2 - aquatic invertebrate habitat element score is >= 7; OR, Conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds; OR, The connectivity of habitat components are adequate to support stable populations of target species. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Habitat Continuity (Space) | Evaluation Test | Established field borders are kept as wildlife cover and as pollinator and beneficial insect habitat. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Habitat Continuity (Space) | Evaluation Test | Designated areas are planted as habitat for pollinators and beneficial insects. Non-cropped area protected from disruption during nesting and foraging periods--chemical, biological, or mechanical. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Habitat Continuity (Space) | Evaluation Test | Connectivity between food resources and cover and shelter is provided for the target wildlife species. <see State Wildlife Action Plan> | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Habitat Continuity (Space) | Evaluation Test | In-stream structures (i.e. dam, diversion structure, bridge, culvert, low-water stream crossing, etc.) allow for the upstream and downstream movement of fish and other aquatic animals throughout most of the year. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Habitat Continuity (Space) | Evaluation Test | The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area; AND, Extend from the stream bank or shoreline for a distance of 35 feet; OR, (if applicable) The minimum State buffer-width requirement, whichever is greater. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Water | Planning Criteria | The WHSI rating is >= 0.5;AND, (when surface stream present) The SVAP2 - aquatic invertebrate habitat element score is >= 7; OR, Conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds; OR, Water is available in quality and extent to support habitat requirements for the species of interest. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Water | Evaluation Test | Water for habitat is accessible and at the right depth, duration, and time of year for chosen wildlife species <See State Wildlife Action Plan> | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Water | Evaluation Test | Developments in the flood plain, stream water withdrawals, flow augmentation, or water control structures may be present, but do not significantly alter the natural flow regime. | Yes O or No O |

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| Soil Erosion | Classic Gully Erosion | Planning Criteria | Classic gullies are not present; Or, Classic gully management is adequate to stop the progression of head cutting and widening and offsite impacts are minimized by vegetation and/or structures. | Yes O or No O |
| Soil Erosion | Classic Gully Erosion | Evaluation Test | Classic Gullies are not present; Or, All classic gullies are stabilized; AND, All areas expected to have high erosion rates are stable. | Yes O or No O |
| Soil Erosion | Ephemeral Gully Erosion | Planning Criteria | Ephemeral gullies are not occurring; OR, Conservation practices and management activities are in place to prevent or control ephemeral gullies. | Yes O or No O |
| Soil Erosion | Ephemeral Gully Erosion | Evaluation Test | Temporary or permanent rills do not exist on the land management system; Or, All temporary or permanent rills are stabilized; AND all areas expected to have high erosion rates are stable. | Yes O or No O |
| Soil Erosion | Sheet and Rill Erosion | Planning Criteria | Permanent ground cover > 90% and slope < 10%; OR, The water erosion rate is <= T. | Yes O or No O |
| Soil Erosion | Sheet and Rill Erosion | Evaluation Test | Field slopes are less than 3%; OR, Annual crops are grown in rows across the slope or on the contour. | Yes O or No O |
| Soil Erosion | Sheet and Rill Erosion | Evaluation Test | All hayed acres maintain at least 75% cover all year. | Yes O or No O |
| Soil Erosion | Sheet and Rill Erosion | Evaluation Test | A residue and tillage management system is implemented on all crops in the rotation that minimizes detachment and transport of soil particles caused by rainfall or irrigation. The system leaves crop residue on the soil surface and excludes primary inversion tillage implements (such as moldboard plow ). | Yes O or No O |
| Soil Erosion | Streambank, Shoreline, Water Conveyance Channels | Planning Criteria | For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes; AND, If bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes; AND, For streambanks, SVAP2 bank condition element score > 5. If shorelines or water conveyance channels are not present, set this planning criteria to NA. | Yes O or No O |
| Soil Erosion | Streambank, Shoreline, Water Conveyance Channels | Evaluation Test | Excluding all fundamentally unstable, natural geomorphic streambanks and shorelines, all streambanks and shorelines on the land use show few signs of erosion or bank failure; AND, Each is stable and protected with natural materials. If shorelines and water conveyance channels do not exist on the land management system, set this test statement to NA. | Yes O or No O |
| Soil Erosion | Wind Erosion | Planning Criteria | Permanent ground cover >90% and slope <10%; OR, The wind erosion rate is <= T. | Yes O or No O |

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| Soil Erosion | Wind Erosion | Evaluation Test | All hayed acres maintain at least 75% cover all year. | Yes O or No O |
| Soil Erosion | Wind Erosion | Evaluation Test | A residue and tillage management system is implemented on all crops in the rotation that prevents detachment and transport of soil particles caused by wind. The system leaves crop residue on the soil surface and excludes primary inversion tillage implements (such as moldboard plow). | Yes O or No O |