| Agricultural Lands - South Coast/Desert Planning Criteria and Evaluation Tests - Range | | | | |
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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 | Forage Supply and Demand Balance is achieved. | 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 | Yes O or No O |
| Air Quality Impacts | Emissions of Ozone Precursors | Evaluation Test | If prescribed burning is used a prescribed burning plan is followed that includes all applicable smoke management practices. | Yes O or No O |
| 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 | Dust is controlled on all non-vegetated, unpaved travel ways. If non-vegetated or unpaved travel ways are not used or planned, set this test statement to YES. | Yes O or No O |

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| Air Quality Impacts | Emissions of Particulate Matter (PM) and PM Precursors | Evaluation Test | Prescribed Burning activities are timed and implemented to ensure basic smoke management practices are applied. If Prescribed Burning is not used, set this test statement to NA. | 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 | The current plants provide the desired plant community for the site. | 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; OR, the Range Health Assessment - biotic integrity attribute rating is slight to moderate departure or less; OR, Vegetation meet similarity index of 60 or greater for desired plant community and has a positive trend. | 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 | Vegetation meets similarity index or range condition score of 60 or greater for desired plant community and has a positive trend; OR, Range Health Assessment - biotic integrity attribute rating - is slight to moderate departure or less. | Yes O or No O |
| Degraded Plant Condition | Undesirable Plant Productivity and Health | Evaluation Test | Plant yield, vigor, and quality are as expected. | Yes O or No O |
| Degraded Plant Condition | Undesirable Plant Productivity and Health | Evaluation Test | Grazing is periodically deferred to improve or maintain plant vigor. | 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 | Sites needing wildfire protection or using Prescribed Burning have a permanent or temporary strip of bare or vegetated land (i.e. Fuel Break) that retards fire. | Yes O or No O |

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| Degraded Plant Condition | Wildfire Hazard, Excessive Biomass Accumulation | Evaluation Test | Trees, shrubs, and vines are managed in a manner to reduce ladder fuels. | Yes O or No O |
| Degraded Plant Condition | Wildfire Hazard, Excessive Biomass Accumulation | Evaluation Test | Active management occurs to avoid excessive buildup of likely wildfire fuels. | Yes O or No O |
| Degraded Plant Condition | Wildfire Hazard, Excessive Biomass Accumulation | Evaluation Test | A prescribed burn plan has been developed and followed by competent, trained fire personnel, where needed. | 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 | Plants growing are expected, desired, suited to the site and provide sufficient dietary needs and production goals of the livestock. | 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 |
| 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 | There are no extensive bare spots or dead areas in the land management system beyond what would be considered acceptable "sacrifice" areas. | Yes O or No O |
| Soil Quality Degradation | Compaction | Evaluation Test | Soils are not compacted to a point that limits plant root depth and growth. | Yes O or No O |

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| 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 | There are no areas of extensive bare ground, or largely unvegetated areas, present in areas of high salts. If there are no areas of high salts on the land management system, set this test statement to YES. | Yes O or No O |
| Soil Quality Degradation | Organic Matter Depletion | Planning Criteria | Organic matter within the soil is managed by means of proper rotational grazing and other grazing management practices; AND, The Range Health Assessment (RHA) - soil site stability is slight to moderate or less; AND, The RHA - biotic integrity attribute rating is slight to moderate departure or less; OR, Rangeland planned trend is positive. | Yes O or No O |
| Soil Quality Degradation | Organic Matter Depletion | Evaluation Test | Proper soil health is evidenced by productive and desirable plants dominating the management system. There are no extensive dead or unproductive areas. | Yes O or No O |
| Excess Water | Drifted Snow | Planning Criteria | Excess water resulting from drifted snow is managed to prevent significant impacts to conservation measures, site access or sensitive habitat. If drifted snow is not a concern, set this planning criteria to NA. | Yes O or No O |
| Excess Water | Drifted Snow | Evaluation Test | Wind-blown snow does not restrict access for humans or animals. If drifted snow is not a concern, 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 | 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 |

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| Water Quality Degradation | Excess Pathogens and Chemicals from Manure, bio-solids or Compost Applications in Ground Water | Evaluation Test | Livestock use of immediate sink hole watersheds is managed to avoid addition of excess pathogens. If the land management system is not in a sinkhole watershed, set the test statement to YES. | 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 |
| 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 | Permanent ground cover > 90% and slope < 10% and classic gullies are not present; OR, 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 |
| 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 | Plant cover controls active erosion and runoff from normal rain events; AND, Litter dams are minimized. | 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 |

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| Water Quality Degradation | Nutrients in Groundwater | Planning Criteria | Organic or inorganic nutrients are not applied; 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 | When sinkholes are present in karst regions, livestock use of immediate sinkhole watershed area is managed to avoid nutrient additions to groundwater. If sinkholes are not present, set the test statement to YES. | Yes O or No O |
| Water Quality Degradation | Nutrients in Surface water | Planning Criteria | Organic or inorganic nutrients are not applied; AND, The PLU is not grazed; OR livestock access to streams is controlled. | 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 | Sacrifice areas are properly sited. | 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 |
| 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 ground 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 |

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| 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 |
| 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 |
| 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 | 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 |

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| 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 | Grazing heights are maintained at a minimum of 6 inches average over winter for mid/tall grass plant communities; AND, 4 inches average over winter for shortgrass plant communities. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Cover/Shelter | Evaluation Test | Livestock access to stream(s) is controlled; OR, livestock access is limited to small watering or crossing areas | 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 | Plants growing are expected, desired, and suited to the site. Existing forbs and woody species meet state specified amounts. | Yes O or No O |
| Fish and Wildlife - Inadequate Habitat | Inadequate Habitat - Food | Evaluation Test | Plants growing are expected, desired, and suited to the site. Existing forbs and woody species meet state specified amounts expected for the ecological site descriptions. | 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 | 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 - Habitat Continuity (Space) | Evaluation Test | Existing fences allow wildlife movement without harm. | 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 | Sheet and Rill Erosion | Planning Criteria | Range Health Assessment - soil site stability - is slight to moderate or less; OR, Rangeland Planned Trend is positive | Yes O or No O |
| Soil Erosion | Sheet and Rill Erosion | Evaluation Test | Plant cover controls active erosion (shallow <1 foot deep rills and gullies) and runoff from normal rain events; AND, No litter dams or terracettes are present. | 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 | Range Health Assessment - soil site stability - is slight to moderate or less; Or, Rangeland Planned Trend is positive. | Yes O or No O |
| Soil Erosion | Wind Erosion | Evaluation Test | Residual forage heights meet or exceed the State standards for controlling wind erosion. | Yes O or No O |