| Effects of NRCS Conservation Practices - National | | | | | | | |
|--|--|---|--|--|--|--|--|
| Irrigation System, Sprink | ler | Code: 442 | | | | | |
| An irrigation system in which all necessary equipn operated under pressure. | d facilities are installed for efficiently applying water by means of nozzles Units: ac. | | | | | | |
| Soil Frasian | Effoct | Bationalo | | | | | |
| Soil Erosion - Sheet and Rill Erosion | 0 | Not Applicable | | | | | |
| Soil Erosion - Wind Erosion | 2 | Wetting the surface reduces soil detachment by wind. | | | | | |
| Soil Erosion - Ephemeral Gully Erosion | 0 | Not Applicable | | | | | |
| Soil Erosion - Classic Gully Erosion | 0 | Not Applicable | | | | | |
| Soil Erosion - Streambank, Shoreline, Water Conveyance C | 0 | Not Applicable | | | | | |
| Soil Quality Degradation Organic Matter Depletion | 0 | Not Applicable | | | | | |
| Compaction | -1 | There will be crusting of soil surface during seed germination and wheel compaction due to movement of the irrigation system. | | | | | |
| Subsidence | 0 | Not Applicable | | | | | |
| Concentration of Salts or Other Chemicals | 2 | Improved irrigation allows the leaching of salt below the root zone. | | | | | |
| <u>Excess Water</u> Excess Water - Seeps | 0 | Properly applied sprinkler irrigation will not increase groundwater. | | | | | |
| Excess Water - Runoff, Flooding, or Ponding | 2 | Conversion from surface to sprinkler will reduce surface runoff. | | | | | |
| Excess Water - Seasonal High Water Table | 1 | More uniform applications reduces subsurface flows. | | | | | |
| Excess Water - Drifted Snow | 0 | Not Applicable | | | | | |
| Insufficient Water Insufficient Water - Inefficient Use of Irrigation Water | 5 | More uniform application of water. | | | | | |
| Insufficient Water - Inefficient Moisture Management | 0 | Not Applicable | | | | | |
| Water Quality Degradation Pesticides in Surface Water | 2 | Efficient and uniform irrigation reduces runoff and erosion. | | | | | |
| Pesticides in Groundwater | 2 | Efficient and uniform irrigation reduces deep percolation. | | | | | |
| Nutrients in Surface water | 2 | Erosion and runoff are reduced by the efficient application of irrigation water. | | | | | |
| Nutrients in Groundwater | 1 | The action improves water use efficiency resulting in decreased deep percolation. | | | | | |
| Salts in Surface Water | 2 | The action allows more efficient application of irrigation water, which reduces the potential for runoff from the field. | | | | | |
| Salts in Groundwater | 2 | Efficient and uniform irrigation reduces transport to ground water. | | | | | |
| Excess Pathogens and Chemicals from Manure, Bio-solic | 2 | Reduced runoff because of more efficient application | | | | | |
| Excess Pathogens and Chemicals from Manure, Bio-solic | 1 | Uniform water application reduces the potential for deep percolation. | | | | | |

| Binade Water Temperature 0 Rediced under of higher temperature water is itality. Percelum, Harry Media and Other Politikatis Transmon 1 Vorder water application reduces the potential for deep percelution. Binasterin of Profescibles Matter (M) and PM Programme 2 A inrigition application moisters the soil surface and reduces the eredibility of the soil. Knoreased production from irrigation leaders the soil surface and reduces the eredibility of the soil. Knoreased production from irrigation is for deep percelution. Binasterin of Profescibles Matter (M) and PM Programme 2 A inrigition application moisters the soil surface and reduces the eredibility of the soil. Knoreased production from irrigation leaders Binasterin of Production 0 Not Applicable Binasterin of Production 2 Researce water availability and managed application enhances plant growth, health and vigor. Binasterin of Production 3 Not Applicable Binasterin of Production 4 Not Applicable Binasterin of Production 3 Not Applicable Binadequate Haberin - Haberin - Haberin Freduction with the Im | Excessive Sediment in Surface Water | 1 | Installation of irrigation system limits or eliminates surface erosion and resulting sedimentation. | | | | |
|---|---|---|--|---------------------------------------|--------------------------------------|--|--|
| Persona, Heary Media and Other Politication Transmus 1 Mer efficient application reduces the potential runder. All Online Weater application reduces the potential for deep percolation. 3 An infraint application reduces the potential for deep percolation. All Online Weater 3 An infraint application motions the solit surfaces the rodubility of the sol. Horeased production for finances Bindenson Of One Procurson 0 Adopticable Displante Producerity and Health 2 Recased weater availability and managed application enhances plant growth, health and vigor. Displante Producerity and Health 2 Recased weater availability and managed application enhances plant growth, health and vigor. Bindequate Mether Anderes 3 Recased weater availability and managed application enhances plant growth, health and vigor. Bindequate Mether Anderes 3 Recased weater availability and managed application enhances plant growth, health and vigor. Bindequate Mether Anderes 3 Recased weater availability and managed application enhances plant growth, health and vigor. Bindequate Mether Anderes 3 Recased weater availability and managed application enhances plant growth, health and vigor. Bindequate Mether Anderes 3 Recased weater availability and managed application enhances plant growth, health and vigor. Bindequate Mether Anderes 3 Recased weater availability and managed application enhances. Bin | Elevated Water Temperature | 0 | Reduced runoff of higher temperature water is likely. | | | | |
| Person, Heavy Metals and Other Pollutans Transon 1 Unform water application reduces the patchinist of deep percelation. 42: Object Instance 2 An intrgation application molitisms the soil surface and reduces the sorobility of the soil. Increased production from infgation loop lease. Ensistion of Oran Percurson 0 Not Applicable Ensistion of Green Accurson 0 Not Applicable Objectionable Oders 0 Not Applicable Carden Accurson 0 Not Applicable Indequate Habitat - Food 0 Not Applicable </td <td>Petroleum, Heavy Metals and Other Pollutants Transporte</td> <td>1</td> <td colspan="5">More efficient application reduces potential runoff.</td> | Petroleum, Heavy Metals and Other Pollutants Transporte | 1 | More efficient application reduces potential runoff. | | | | |
| Al: Origination spectra series 2 A infiguitation spectra involves the and infigues the coddition of the anit. Increased production from infiguitation indicates the coddition of the anit. Increased production from infiguitation each inprove carbon sequestration in a reduced tillage system. Emissions of Ozon Procursors 0 Not Applicable Columnation of Distribution Outring to Procursors Not Applicable | Petroleum, Heavy Metals and Other Pollutants Transporte | 1 | Uniform water application reduces the potential for deep percolation. | | | | |
| Enclose of Particulate Matter (PM) and PM Precursors 2 A Inrigitation application moletams the aol tarface and reduces the enclositility of the soil. Increased production from irrigation experiments Encisions of Ozon Precursors 0 Not Applicable Encisions of Greenhouse Gases (GMGs) 1 Increased vagetative growth from irrigation can improve carbon sequestration in a reduced tillage system. Objectionable Odors 0 Not Applicable Underlated Plant Condition 0 Not Applicable Underlated Plant Poductivy and Health 2 Increased vater availability and managed application enhances plant growth, health and vigor. Underlate Plant Poductivy and Health 2 Increased vater availability and managed application enhances plant growth, health and vigor. Widdrice Hazard, Excessive Biomass Accumulation 0 Not Applicable The advisor Habitat - Food 0 Not Applicable Frien and Widdlin - Insecouster Habitat - Cover/Shelrer 0 Not Applicable Inadequate Habitat - Habitat - Cover/Shelrer 0 Not Applicable Inadequate Feed and Forage 2 Production with be improved with uniform and consistent application of water. Inadequate Shelter 0 Not Applicable Interese din applicable Inadequate Shelter< | Air Quality Impacts | | | | | | |
| Encisions of Qoon Procursors 0 Not Applicable Encisions of Groenbouse Gases (GMGs) 1 Increased vegetative growth from irrigation can improve carbon sequestration in a reduced tillage system. Objectionable Odors 0 Not Applicable Degraded Phint Condition 2 Increased vaster availability and managed application enhances plant growth, health and vigor. Indequate Structure and Composition 0 Not Applicable Excessive Plane Rest Pressure 1 Improved irrigation efficiency improves crop health and vigor which decrease weed competition. Wildfrid Hazind, Excessive Biomass Accumulation 0 Not Applicable Inadequate Habitat - Conver/Shelter 0 Not Applicable Inadequate Habitat - Conver/Shelter 0 Not Applicable Inadequate Habitat - Conver/Shelter 0 Not Applicable Inadequate Habitat - Continuity (Spaco) 0 Not Applicable Inadequate Habitat - Materia 0 Not Applicable Unstandequate Shelter 0 Not Applicable Inadequate Shelter 0 Not Applicable Inadequate Shelter 0 Not Applicable Encister Feed and Fordige 2 Requires test and notwer pressure pumping. Reduces water applied due to an increase in application uninformity. Englorement and Faberliters 2 R | Emissions of Particulate Matter (PM) and PM Precursors | 2 | An irrigation application moistens the soil surface and reduces the erodibility of the soil. Increased production from irrigation lower the soil wind erodibility group by one class. | | | | |
| Enistions of Greenhouse Gases (GNGs) 1 Increased vegetative growth from irrigation can improve carbon sequestration in a reduced tillage system. Objectionable Odors 0 Not Applicable Description Plant Productivity and Hashih 2 Increased water availability and managed application onhances plant growth, health and vigor. Indequate Structure and Composition 0 Not Applicable Excessive Blant Peet Pressure 1 Increased vegetative growth from irrigation enhances plant growth, health and vigor. Widther Haard, Excessive Blantes Accumulation 0 Not Applicable Indequate Habitat - Food Not Applicable Indequate Habitat - Food | Emissions of Ozone Precursors | 0 | Not Applicable | | | | |
| Objectionable Odors 0 Nct Applicable Description Plant Poductivity and Health 2 increased water availability and managed application enhances plant growth, health and vigor. Indequate Structure and Composition 0 Nct Applicable Excessive Plant Pet Pressure 1 improved irrigation efficiency improves crop health and vigor which decrease weed competition. Wildlife Hazard, Excessive Blomass Accumulation 0 Nct Applicable Inadequate Habitat - Food 0 Nct Applicable Inadequate Habitat - Cover/Shafter 0 Nct Applicable Inadequate Habitat - Motor 0 Nct Applicable Inadequate Habitat - Habitat - Controlity (Space) 0 Nct Applicable Inadequate Habitat - Habitat - Controlity (Space) 1 Nct Applicable Inadequate Habitat - Habitat - Habitat Controlity (Space) 1 Nct Applicable Inadequate Habitat - Habitat - | Emissions of Greenhouse Gases (GHGs) | 1 | Increased vegetative growth from irrigation can improve carbon sequestration in a reduced tillage system. | | | | |
| Data deal Data Condition 2 Increased water availability and managed application enhances plant growth, health and vigor. inadequate Structure and Composition 0 Not Applicable Excessive Plant Pest Pressure 1 Improved irrigation efficiency improves crop health and vigor which decrease weed competition. Wildlife Lazard, Excessive Biomass Accumulation 0 Not Applicable State Indequate Habitat - Food 0 Not Applicable Inadequate Habitat - Cover/Shelter 0 Not Applicable Inadequate Habitat - Cover/Shelter 0 Not Applicable Inadequate Habitat - Mater 0 Not Applicable Inadequate Fabritarion 0 Not Applicable Inadequate Habitat - Mater 0 Not Applicable Inadequate Habitarion Intraction 1 Requires leas water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Faming/Ranching Practices and Field Operations 2 Im | Objectionable Odors | 0 | Not Applicable | | | | |
| Undesized Pain Productivity and Health 2 Increased water availability and managed application enhances plant growth, health and vigor. Inadequate Structure and Composition 0 Not Applicable Excessive Plant Pest Pressure 1 Improved irrigation efficiency improves crop health and vigor which decreases weed competition. Wildfire Hazard, Excessive Blomass Accumulation 0 Not Applicable Firsh and Wildfie - Inselequate Habitat 0 Not Applicable Inadequate Habitat - Cover/Shefter 0 Not Applicable Inadequate Habitat - Mater 0 Water Is temporarity provided during the Irrigation season. Inadequate Habitat - Mater 0 Not Applicable Undexistable Peed and Forage 1 Production will be Improved with uniform and consistent application of water. Inadequate Shefter 0 Not Applicable Inadequate Shefter 1 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Forming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result In reduced energy use for pumping. Subtast Rubins to Subabaand Improvement 1 Su | Degraded Plant Condition | | | | | | |
| inadequate Structure and Composition i III Applicable inproved scrop health and vigor which decrease weed competition. Excessive Plant Pest Pressure i III III IIII IIIIIIIIIIIIIIIIIIIIII | Undesirable Plant Productivity and Health | 2 | Increased water availability and managed application enhances plant growth, health and vigor. | | | | |
| Excessive Plan Pestreare 1 Involved irrigation efficiency inproves crop health and vigor which decrease weed competition. Wildfre Hazard, Excessive Biomas Accumulation 0 Nc4 Applicable Inadequate Habitat - Food 0 Nc4 Applicable Inadequate Habitat - Cover/Sheter 0 Nc4 Applicable Inadequate Habitat - Mater 0 Nc4 Applicable Inadequate Habitat - Habitat Continuity (Space) 0 Nc4 Applicable Inadequate Habitat - Habitat Continuity (Space) 0 Nc4 Applicable Inadequate Habitat - Habitat Continuity (Space) 0 Nc4 Applicable Inadequate Habitat - Habitat Continuity (Space) 0 Nc4 Applicable Inadequate Mater 2 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Equipment and Facilities 2 Improvement of Istribution Uniformity can result in reduced energy use for pumping. Equipment and Facilities Subatene Materiane Subatersite Movementag | Inadequate Structure and Composition | 0 | Not Applicable | | | | |
| Wildfür Hazard, Excessive Biomas Accumulation 0 Nct Applicable Indequate Habitat 0 Nct Applicable Indequate Faed and Forage 0 Nct Applicable Indequate Shelter 0 Nct Applicable Indequate Mater 0 Nct Applicable Indequate Faed and Forage 0 Nct Applicable Indequate Faed and Forage 0 Nct Applicable Indequate Faed and Forage 0 Nct Applicable Indequate Babitat 0 Nct Applicable Indequate Babitat 0 Nct Applicable Indequate Shelter 0 Nct Applicable </td <td>Excessive Plant Pest Pressure</td> <td>1</td> <td colspan="4">Improved irrigation efficiency improves crop health and vigor which decrease weed competition.</td> | Excessive Plant Pest Pressure | 1 | Improved irrigation efficiency improves crop health and vigor which decrease weed competition. | | | | |
| Fish and Wildlife - Inadequate Habitat - Food 0 Not Applicable Inadequate Habitat - Cover/Shetter 0 Not Applicable Inadequate Habitat - Cover/Shetter 0 Water Is temporarily provided during the irrigation season. Inadequate Habitat - Habitat Continuity (Space) 0 Not Applicable Inadequate Habitat - Habitat Continuity (Space) 0 Not Applicable Livestock Production Lilitation 10 Not Applicable Inadequate Feed and Forage 0 Not Applicable Inadequate Shetter 0 Not Applicable Inadequate Teed and Forage 0 Not Applicable Inadequate Shetter 0 Not Applicable Inadequate Teed and Forage 0 Not Applicable Inadequate Mater 0 Not Applicable Indequate Mater 0 Not Applicable Faming/Ranching Practices and Field Operations 2 Requires less water and lower pressure pumpings. Reduces water applied due to an implication uniformity. Signit Information 1 Signit Worsening 1 Signit Worsening 2 Signit Worsening 2 Signit Monerene to Stastantial Improvement 1 | Wildfire Hazard, Excessive Biomass Accumulation | 0 | Not Applicable | | | | |
| Inadequate Habitat - Food 0 Not Applicable Inadequate Habitat - Cover/Shelter 0 Not Applicable Inadequate Habitat - Water 0 Water is temporarily provided during the irrigation season. Inadequate Habitat - Mabitat - Continuity (Space) 0 Not Applicable Livestock Production Limitation Inadequate Feed and Forage 1 Not Applicable Inadequate Mabitat - Mabitat - Mabitat Continuity (Space) 0 Not Applicable Inadequate Feed and Forage 0 Not Applicable Inadequate Mater 0 Not Applicable Inadequate Mater 0 Not Applicable Equipment and Facilities 2 Requires less water and lower pressure pumping. Reduces water applied due to an Increase in application uniformity. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. Subsamial Improvement 2 Sight to Moderase Worsening 2 Sight to Moderase Worsening A bioderase Improvement 3 Bioderase Improvement 3 Bioderase Improvement | Fish and Wildlife - Inadequate Habitat | | | | | | |
| inadequate Habitat - Cover/Shelter 0 Not Applicable inadequate Habitat - Water 0 Water is temporarily provided during the irrigation season. inadequate Habitat - Matter Continuity (Space) 0 Not Applicable Livestock Production Limitation Inadequate Shelter 0 Not Applicable inadequate Matter Shelter 0 Not Applicable inadequate Shelter 0 Not Applicable inadequate Matter Shelter 0 Not Applicable inadequate Matter Shelter 0 Not Applicable inadequate Matter Shelter 0 Not Applicable inadequate Shelter 2 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. inadequate Shibitation Improvement 1 Sight Monoring 1 Sight Monoring indericate Shibitation Improvement 2 Sight to Moderate Worsening 1 Sight Monoring indericate Insprovement 1 Sight Information 1 Si | Inadequate Habitat - Food | 0 | Not Applicable | | | | |
| Inadequate Habitat - Water 0 Water is temporarily provided during the irrigation season. Inadequate Habitat - Habitat Continuity (Space) 0 Not Applicable Livestock Production Limitation Inadequate Feed and Forage 4 Production will be improved with uniform and consistent application of water. Inadequate Shelter 0 Not Applicable Inadequate Mater 0 Not Applicable Inadequate Mater 0 Not Applicable Inadequate Mater 0 Not Applicable Inadequate Feed and Focilities 2 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Inadequate Mater 1 Improvement of Distribution Uniformity can result in reduced energy use for pumping. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. Substantial Improvement 3 Sight to Moderate Worsening 3 Sight to Moderate Worsening Sight to Moderate Improvement 3 Sight to Moderate Improvement 3 Sight to Moderate Orsening | Inadequate Habitat - Cover/Shelter | 0 | Not Applicable | | | | |
| Inadequate Habitat - Habitat Continuity (Space) 0 Not Applicable Livestock Production Limitation Inadequate Feed and Forage 4 Production will be improved with uniform and consistent application of water. Inadequate Shelter 0 Not Applicable Inadequate Water 0 Not Applicable Indificient Energy Use Equipment and Facilities 2 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. Not Affect Substantial Improvement Substantial Improvement Sight to Moderate Worsening Sight Moderate Morsening Sight Moderate Morsening Sight Moderate Morsening Sight Moderate Morsening Sight Moderate Morse | Inadequate Habitat - Water | 0 | Water is temporarily provided during the irrigation season. | | | | |
| Livestock Production Limitation 4 Production will be improved with uniform and consistent application of water. Inadequate Shelter 0 Not Applicable Inadequate Water 0 Not Applicable Inefficient Energy Use Equipment and Facilities 2 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. CPPE Practice Effects: 0 No Effect § Substantial Improvement 2 Sight to Moderate Worsening 2 Slight to Moderate Improvement 3 3 Moderate Improvement 2 Slight to Moderate Improvement 1 Sight Morsening 2 Slight to Moderate Improvement 1 Substantial Improvement 2 Slight to Moderate Improvement 1 Substantial Worsening 2 Slight to Moderate Improve | Inadequate Habitat - Habitat Continuity (Space) | 0 | Not Applicable | | | | |
| Inadequate Feed and Forage 4 Production will be improved with uniform and consistent application of water. Inadequate Shelter 0 Not Applicable Inadequate Water 0 Not Applicable Inadequate Water 0 Not Applicable Inadequate Mater 0 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. CPPE Practice Effects: 0 No Effect 1 Sight Worsening 3 Moderate to Substantial Improvement 3 Moderate to Substantial Improvement 3 Moderate Worsening 3 Moderate to Substantial Improvement 1 Sight Improvement 3 Moderate Worsening 3 Hoderate Improvement 1 Sight Improvement 3 Moderate Worsening 3 Light Improvement 1 Sight Improvement 3 Moderate Worsening 1 Sight Improvement 1 Sight Improvement 3 Moderate Worsening 1 Sight Improvement 1 Sight Improvement 3 Moderate Worsening | Livestock Production Limitation | | | | | | |
| Inadequate Sheiter 0 Not Applicable Inadequate Water 0 Not Applicable Equipment and Facilities 2 Requires less water and lower pressure purps. Reduces water applied due to an implication uniformity. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. | Inadequate Feed and Forage | 4 | Production will be improved with uniform and consistent application of water. | | | | |
| Inadequate Water 0 Not Applicable Inefficient Energy Use 2 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. Equipment and Facilities 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. Vertice 5 Substantial Improvement 1 Sight to Moderate Worsening 3 3 3 Moderate Improvement 3 3 3 3 Sight to Moderate Improvement 3 3 3 3 3 Sight to Moderate Improvement 3 5 <t< td=""><td>Inadequate Shelter</td><td>0</td><td colspan="3">Not Applicable</td></t<> | Inadequate Shelter | 0 | Not Applicable | | | | |
| Imperficient Energy Use 2 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. CPPE Practice Effects: 0 No Effect 5 Substantial Improvement -1 Slight Worsening 4 Moderate to Substantial Improvement -2 Slight to Moderate Worsening 3 Moderate Improvement -3 Moderate Worsening 2 Slight to Moderate Improvement -3 Moderate Worsening 3 Kingt Improvement -3 Substantial Worsening 3 Kingt Improvement -3 Substantial Worsening 2 Slight to Moderate Improvement -3 Substantial Worsening 2 Slight to Moderate Improvement -5 Substantial Worsening 1 Slight Improvement -5 Substantial Worsening | Inadequate Water | 0 | Not Applicable | | | | |
| Equipment and Facilities 2 Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. <i>CPPE Practice Effects:</i> 0 No Effect 5 Substantial Improvement -1 Slight Worsening 4 Moderate to Substantial Improvement -2 Slight to Moderate Worsening 3 Moderate Improvement -3 Moderate to Substantial Worsening 2 Slight to Moderate to Substantial Worsening -3 Moderate to Substantial Worsening 1 Slight Improvement -3 Substantial Worsening 1 Slight Improvement -5 Substantial Worsening | Inefficient Energy []se | | | | | | |
| Farming/Ranching Practices and Field Operations 2 Improvement of Distribution Uniformity can result in reduced energy use for pumping. <i>CPPE Practice Effects:</i> 0 No Effect 0 No Effect 1 Slight Worsening 1 Slight Worsening 2 Slight to Moderate Worsening 2 Slight to Moderate Worsening 2 Slight to Moderate to Substantial Improvement 3 Moderate Improvement 3 Moderate Improvement 3 Moderate to Substantial Worsening 1 Slight Improvement 1 Slight Improvement 3 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 5 Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Substantial Worsening 4 Moderate to Subst | Equipment and Facilities | 2 | Requires less water and lower pressure pumping. Reduces water applied due to an increase in application uniformity. | | | | |
| CPPE Practice Effects:0 No Effect5 Substantial Improvement-1 Slight Worsening4 Moderate to Substantial Improvement-2 Slight to Moderate Worsening3 Moderate Improvement-3 Moderate Worsening2 Slight to Moderate Improvement-4 Moderate to Substantial Worsening2 Slight to Moderate Improvement-5 Substantial Worsening1 Slight Improvement-5 Substantial Worsening | Farming/Ranching Practices and Field Operations | 2 | Improvement of Distribution Uniformity can result in reduced energy use for pumping. | | | | |
| CPPE Practice Effects:0 No Effect5 Substantial Improvement-1 Slight Worsening4 Moderate to Substantial Improvement-2 Slight to Moderate Worsening3 Moderate Improvement-3 Moderate Worsening2 Slight to Moderate Improvement-4 Moderate to Substantial Worsening1 Slight Improvement-5 Substantial Worsening | | | | | | | |
| 5 Substantial Improvement-1 Slight Worsening4 Moderate to Substantial Improvement-2 Slight to Moderate Worsening3 Moderate Improvement-3 Moderate Worsening2 Slight to Moderate Improvement-4 Moderate to Substantial Worsening1 Slight Improvement-5 Substantial Worsening | | | | CPPE Practice Effects: | 0 No Effect | | |
| 4 Moderate to Substantial Improvement-2 Slight to Moderate Worsening3 Moderate Improvement-3 Moderate Worsening2 Slight to Moderate Improvement-4 Moderate to Substantial Worsening1 Slight Improvement-5 Substantial Worsening | | | | 5 Substantial Improvement | -1 Slight Worsening | | |
| 3 Moderate Improvement-3 Moderate Worsening2 Slight to Moderate Improvement-4 Moderate to Substantial Worsening1 Slight Improvement-5 Substantial Worsening | | | | 4 Moderate to Substantial Improvement | -2 Slight to Moderate Worsening | | |
| 2 Slight to Moderate Improvement-4 Moderate to Substantial Worsening1 Slight Improvement-5 Substantial Worsening | | | | 3 Moderate Improvement | -3 Moderate Worsening | | |
| 1 Slight Improvement -5 Substantial Worsening | | | | 2 Slight to Moderate Improvement | -4 Moderate to Substantial Worsening | | |
| | | | | 1 Slight Improvement | -5 Substantial Worsening | | |