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| **NC1181 Timeline** | 2020 | 2021 | 2022 | 2023 | 2024 |
| **Objective 1** |  |  |  |  |  |
|  | Evaluate use of herbicides and annuals when revegetating native rangelands |  |  |  |  |  |
|   | Evaluate seeding rate of interseeding warm season annuals into cool season perennial stands |   |   |   |   |   |
|   | Evaluate effect of cattle stocking density when grazing interseeded warm season annuals |   |   |   |   |   |
|   | Evaluate effect of stocking density and grazing duration in on native rangeland |   |   |   |   |   |
|   | Evaluate fire and winter grazing management on meadow |   |   |   |   |   |
|   | Evaluate fire as a management method for tall fescue |   |   |   |   |   |
|   | Present finding at scientific meetings |   |   |   |   |   |
|   | Publish results in referred journals |   |   |   |   |   |
| **Objective 2** |  |  |  |  |  |
|   | Conduct trials evaluating forage crop production in place of cash crop |   |   |   |   |   |
|   | Conduct trials evaluating alternative cash crops plus double cropping forage  |   |   |   |   |   |
|   | Conduct trials evaluated small grain forage production in soybean systems |   |   |   |   |   |
|   | Present finding at scientific meetings |   |   |   |   |   |
|   | Publish results in referred journals |   |   |   |   |   |
| **Objective 3** |   |   |   |   |   |
|   | Conduct trials comparing systems using limited or no perennial pasture to traditional perennial pasture based systems  |   |   |   |   |   |
|   | Conduct trial evaluating calf management of confined pairs |   |   |   |   |   |
|   | Present finding at scientific meetings |   |   |   |   |   |
|   | Publish results in referred journal |   |   |   |   |   |
| **Objective 4** |   |   |   |   |   |
|   | Partial budget analysis of proposed management/systems |   |   |   |   |   |
|   | Enterprise budget analysis of proposed new enterprises |   |   |   |   |   |
|   | Whole farm analysis of proposed new systems |   |   |   |   |   |
|   | Present finding at scientific meetings |   |   |   |   |   |
|   | Publish results in referred journal |   |   |   |   |   |
| **Objective 5** |   |   |   |   |   |
|  | Publish educational articles |   |   |   |   |   |
|  | Present information at extension meetings  |   |   |   |   |   |
|  | Produce webinars and podcasts |   |   |   |   |   |
|  | Present information at train the trainer meetings |   |   |   |   |   |
|   | Conduct multistate conference |   |   |   |   |   |