Table S1. Initial water extractable soil pH, organic matter (OM), Bray-1 extractable P, and Mehlich 3 K at ARC (Carbondale, IL) in 2019 and 2020 and at BRC (Belleville, IL) in 2020.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Site-yr | pH water | OM | Bray-1 P | Mehlich 3 K |
|  |  | g kg-1 | mg kg-1 | mg kg-1 |
|  |  |  |  |  |
| ARC2019 | 6.5 | 230.5 | 18.1 | 112.0 |
| ARC2020 | 6.7 | 178.0 | 10.0 | 57.0 |
| BRC2020 | 6.3 | 180.0 | 22.0 | 157.0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Treatment | WCR seeding rate | Price of WCR seeds | Total seed costs | $ saved by NTCR |
|  | kg ha-1 | $ kg-1 | $ ha-1 | $ ha-1 |
| NP | 100 | 0.336 | 33.6 | - |
| NP | 100 | 0.672 | 67.2 | - |
| NP | 100 | 1.008 | 100.8 | - |
| NP | 100 | 1.344 | 134.4 | - |
| NP | 100 | 1.680 | 168.0 | - |
| STCR | 75 | 0.336 | 25.2 | 8.4 |
| STCR | 75 | 0.672 | 50.4 | 16.8 |
| STCR | 75 | 1.008 | 75.6 | 25.2 |
| STCR | 75 | 1.344 | 100.8 | 33.6 |
| STCR | 75 | 1.680 | 126.0 | 42.0 |

Table S2. Total seed costs and $ saved per hectare by implementing STCR vs. NP at different WCR seed price scenarios.