**Table S1.** Crop and fertilizer management of the agricultural fields delivering water to the SFCW.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **fertilization** | | | |
| **hydrological**  **year** | **crop** | **sowing**  **date** | **harvest**  **date** | **product** | **N**  **(kg ha-1)** | **P**  **(kg ha-1)** | **application**  **date** |
| 2006–07 | maize  (grain) | 4/12/07 | 9/6/07 | 8-24-24 | 32 | 42 | 3/30/07 |
| urea | 202 |  | 5/18/07 |
| 2007–08 | sugarbeet | 2/21/08 | 9/23/08 | urea | 69 | - | 2/12/08 |
| triple superphosphate | - | 24 | 2/20/08 |
| ammonium nitrate | 67 | - | 5/6/08 |
| 2008–09 | wheat | 11/10/08 | 6/19/09 | 6-12-24 | 18 | 16 | 10/27/08 |
| ammonium nitrate | 67 | - | 2/23/09 |
| urea | 69 | - | 4/8/09 |
| urea | 26 | - | 5/11/09 |
| 2009–10 | maize  (silage) | 4/14/10 | 8/28/10 | cattle slurry | 173 | 69 | 9/8/09 |
| urea | 138 | - | 6/7/10 |
| 2010–11 | maize  (silage) | 4/8/11 | 8/11/11 | cattle slurry | 200 | 80 | 10/14/10 |
| 8-24-24 | 24 | 31 | 4/5/11 |
| urea | 106 | - | 5/24/11 |
| 2011–12 | maize  (grain) | 5/11/12 | 9/17/12 | cattle slurry | 150 | 60 | 5/6/12 |
| urea | 147 | - | 6/7/12 |
| 2012–13 | maize  (silage) | 5/15/13 | 9/12/13 | cattle slurry | 150 | 60 | 5/6/13 |
| urea | 147 | - | 6/19/13 |