Figure 2.1 Cumulative Precipitation 2012-2014 compared to 30-year average cumulative precipitation for Boone County, MO.

Table 2.1 Seven rotational systems used to transition from conventional to organic row crop production. DC soybean =double crop soybean

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Rotational System** | | | | | | |
| **Year** |  | **Cover crop only (CCO)** | **Modified Cover Crop (MCC)** | **Modified Conventional Tillage (MCT)** | **Conventional Corn-Soybean (CONVCS)** | **Conventional Sorghum-Soybean (CONVSS)** | **No-Till Corn-Soybean (NTCS)** | **No-Till Sorghum-Soybean (NTSS)** |
| **2012** | **winter crop** | winter cover crop mix | | | | | | |
| **tillage** | minimal till | minimal till | minimal till | till | till | none | none |
| **summer crop** | sorghum-sudangrass | sorghum-sudangrass | sorghum-sudangrass | soybean | soybean | soybean | soybean |
| **2013** | **winter crop** | winter cover crop mix | | wheat | winter cover crop mix | | | |
| **tillage** | minimal till | till | till | till | till | none | none |
| **summer crop** | sorghum-sudangrass | grain sorghum | DC soybean | corn | grain sorghum | corn | grain sorghum |
| **2014** | **winter crop** | winter cover crop mix | | | wheat | | | |
| **tillage** | minimal till | till | till | till | till | till | till |
| **summer crop** | sunn hemp | corn | corn | DC soybean | DC soybean | DC soybean | DC soybean |













