1. Sum total water volume used at the municipality scale (TWV)
2. Aggregate irrigation sources into superficial, well and Spring
3. Aggregate NO3 data into superficial, well and Spring
4. Adjust irrigation source weights:
   1. If no3\_sources=3, then maintain weights
   2. If no3\_sources =2, adjust weights as follows:

Adj\_weights irrig source i = 100\*weight\_source irrig source i / (sum\_existing\_weight\_sources)

1. Compute irrig N for each source

Irrig\_N source i = Adj\_weights irrig\_source i \* TWV \* [N-NO3] irrig\_source i

1. Sum each source