**Crop Water Requirement: 4438**

**Water Available: 4096**

**Drip Irrigation :**

Assumptions : Weighted on the basis of pre-installed drip on crop.

Input : Pre-irrigated area under drip of crop.(In case of Konambe, they were provided by community)

Output :

* **Recommendations**
  + Tomato increase area under drip by 10% increase in yield by 6%.
  + Carrot increase area under in sprinkler by 43% increase in yield by 17.2%
  + Cabbage increase area under in drip by 43% increase in yield by 30.1%
  + Onion increase area under in drip by 22% increase in yield by 8.8%

**Area Reduction (Water Intensity) :**

Assumptions : Weighted on the basis of more the CWR per hectare more will be a reduction in area. Crops with area less than 50 hectares are not considered for area reduction. Non-Commercial crops such as Millet, Fodder and wheat are not being considered.

Input : CWR per crop and area under cultivation of that crop.

Output :

* **Recommendations :**
  + Area under Cabbage to be Dropped : 15%(10.31)
  + Area under Onion to be Dropped : 10%(9.4541)
  + Area under Tomato to be Dropped : 10%(9.2334)

**Area + Drip (area based on water intensity):**

Assumptions : Weighted on the basis of more the CWR per hectare more will be a reduction in area. Crops with area less than 50 hectares are not considered for area reduction. Non-Commercial crops such as Millet, Fodder and wheat are not being considered.

Input : Total CWR of crop and its area.

Output :

* **Recommendations :**
  + **Drip :**
    - Tomato increase area under drip by 10% increase in yield by 6%
    - Carrot increase area under in sprinkler by 5% increase in yield by 2%
    - Cabbage increase area under in drip by 5% increase in yield by 3%
    - Onion increase area under in drip by 3% increase in yield by 2%
  + **Area :**
    - Area under Cabbage to be Dropped : 8%
    - Area under Onion to be Dropped : 8%
    - Area under Tomato to be Dropped : 8%