

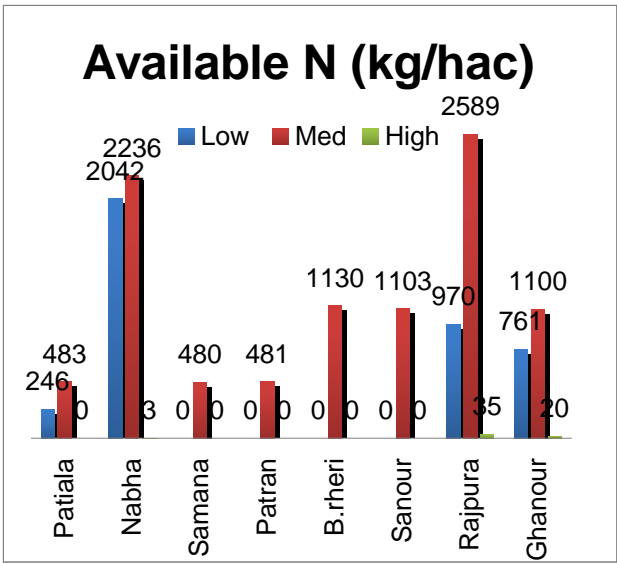
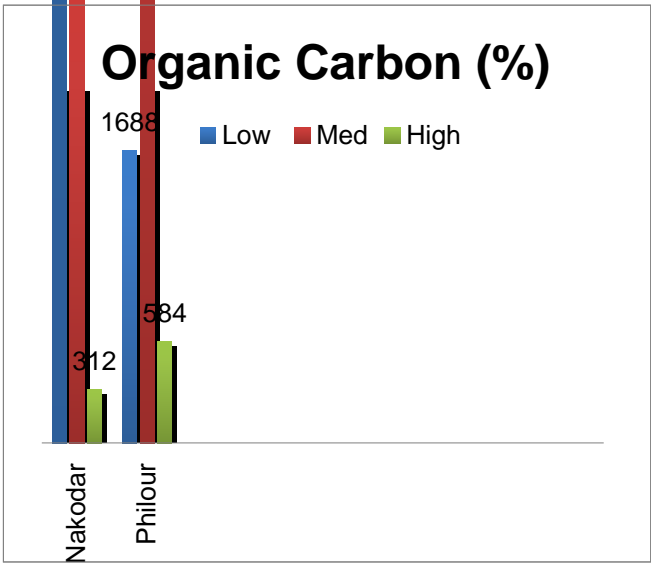
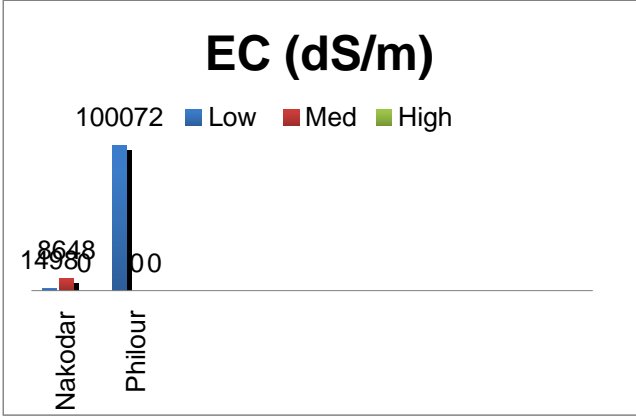
Soil Health

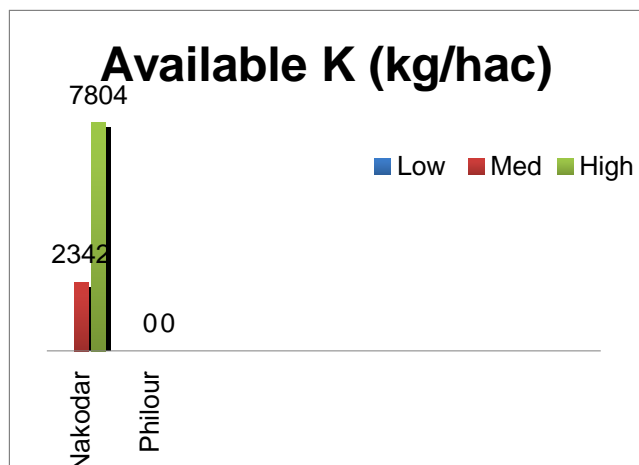
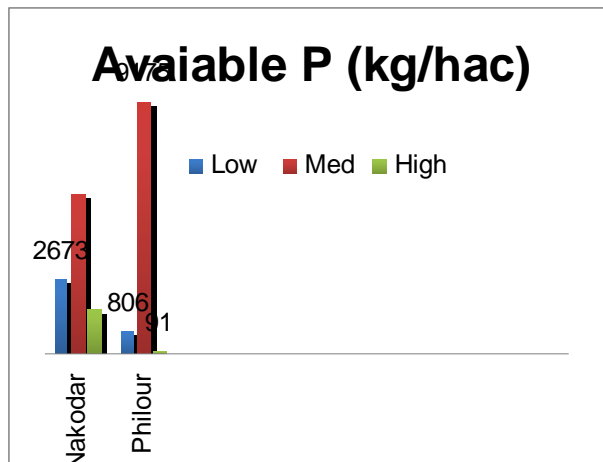
In general, Jalandhar soils are deficient in nitrogen and phosphorus which has to be supplemented by applying chemical fertilizers during various stages of crop growth. As far as status of micronutrient are concerned, Jalandhar facing deficiency of zinc, iron and manganese . The Zinc Deficiency is mainly due to the more application of Phosphorous by the farmer which is resulting into the non availability of Zinc in almost all the areas of the District.

Source: Village level Survey under RKVY

Defficiency of Micreonutrients

| Name of the Block | Iron (Fe) | | Manganese (Mn) | | Zinc (Zn) | |
|-------------------|------------|-----------|----------------|-----------|------------|-----------|
| | Sufficient | Deficient | Sufficient | Deficient | Sufficient | Deficient |
| Jalandhar East | 5900 | 4550 | 11444 | 1322 | | 10400 |
| Jalandhar West | 9400 | 8000 | 15000 | 2801 | - | 17400 |
| Adampur | 4400 | 4000 | 10627 | 1135 | | 8400 |
| Bhogpur | 4000 | 6500 | 11688 | 1520 | | 10500 |
| Philour | 7600 | 12200 | 19122 | 2300 | | 19800 |
| Rurkan kalan | 5600 | 6000 | 13046 | 1200 | | 11600 |
| Normehal | 8200 | 8900 | 18596 | 1754 | | 17100 |
| Nakodar | 17310 | 9490 | 27019 | 2300 | | 26800 |
| Shahkot | 9500 | 8000 | 14517 | 1200 | | 17500 |
| Lohian | 8900 | 7000 | 12966 | 980 | | 15900 |





Although there are 6 Soil testing Labs in the District but because of paucity of funds only Two laboratories one at Philour and other at Nakodar are working in the District. It is quite clear from the figures above that except availability of Potash (K), the district soils are low to medium in the nutrient status as far as availability of Organic carbon, Nitrogen and Phosphorous is concerned. Further the N and P can be supplemented using chemical fertilizers however the content of Organic Carbon in soil can only be increased when we use FYM, Organic manures, mulching of straw residue of previous crop etc. Further poor carbon content of soil may lead to many issues such as

- Non availability of micro nutrients from the soil
- Poor crop growth
- Poor water retention capacity

- Ineffectiveness of weedicides etc