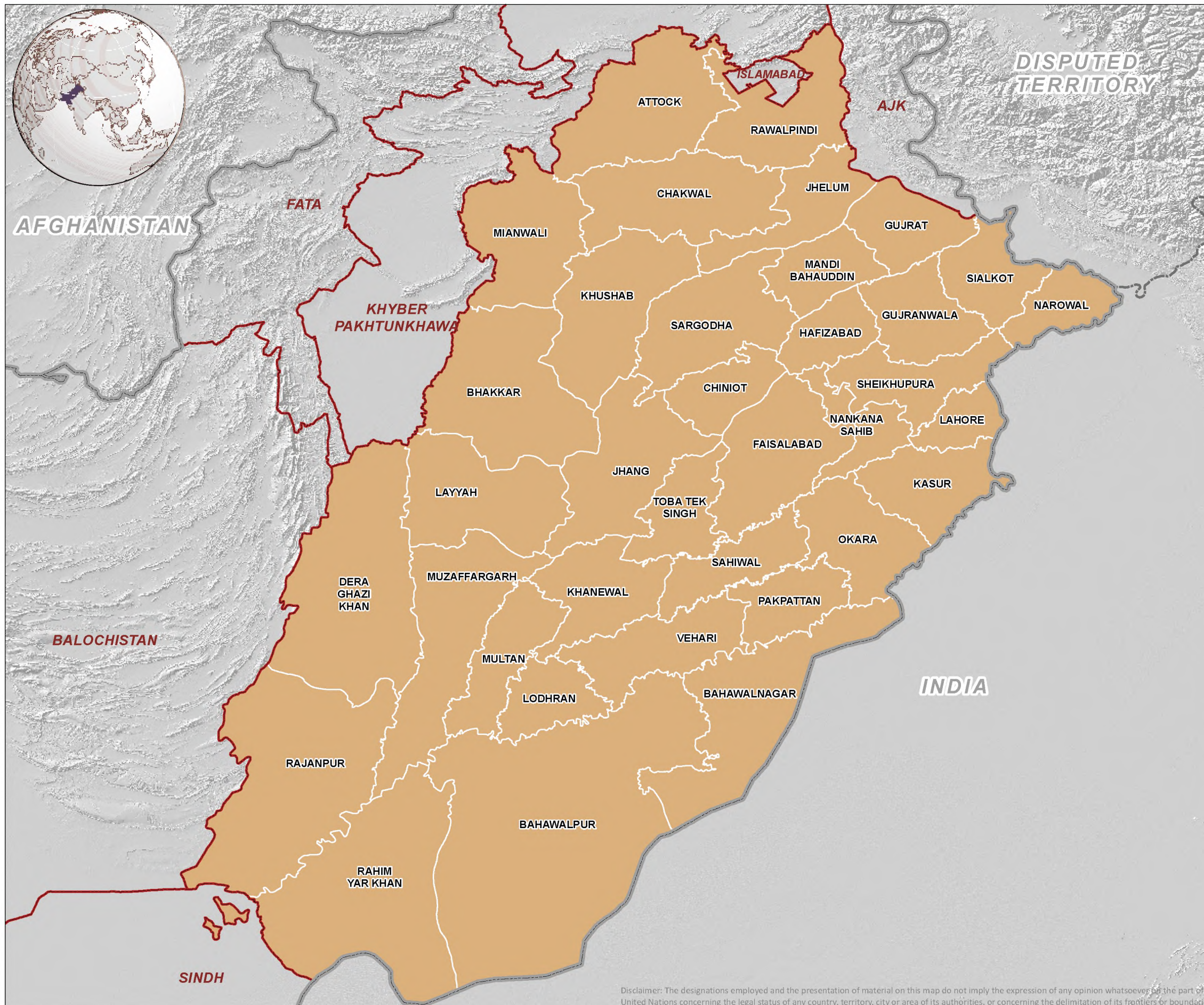




**SECTION 4**  
**SOIL FERTILITY STATUS MAPPING**



# DISTRICT-WISE AVERAGE pH



## Map Legend

### Administrative limits

- Country
- Province
- District

### pH value

- > 7.5

## About Map

This map shows average pH of the soils in each district. Overall, invariably the soils are alkaline; the pH values may be in the high (> 9) range in areas where salinity problem exists. For details, please see Annexure – IV.

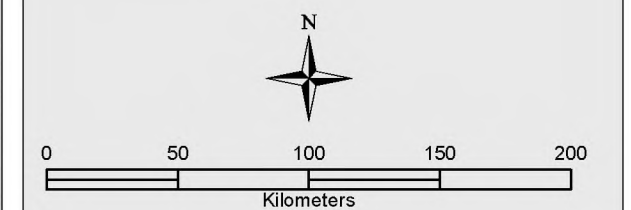
## Data Sources

FAO, GAUL, Fauji Fertilizer Company Limited (FFCL), Rawalpindi

## Map Scale and Datum

Nominal scale: 1:2,698,500 at A3

Datum: WGS 84



Date: 11 May 2016

Created by: IM Unit, FAO Pakistan

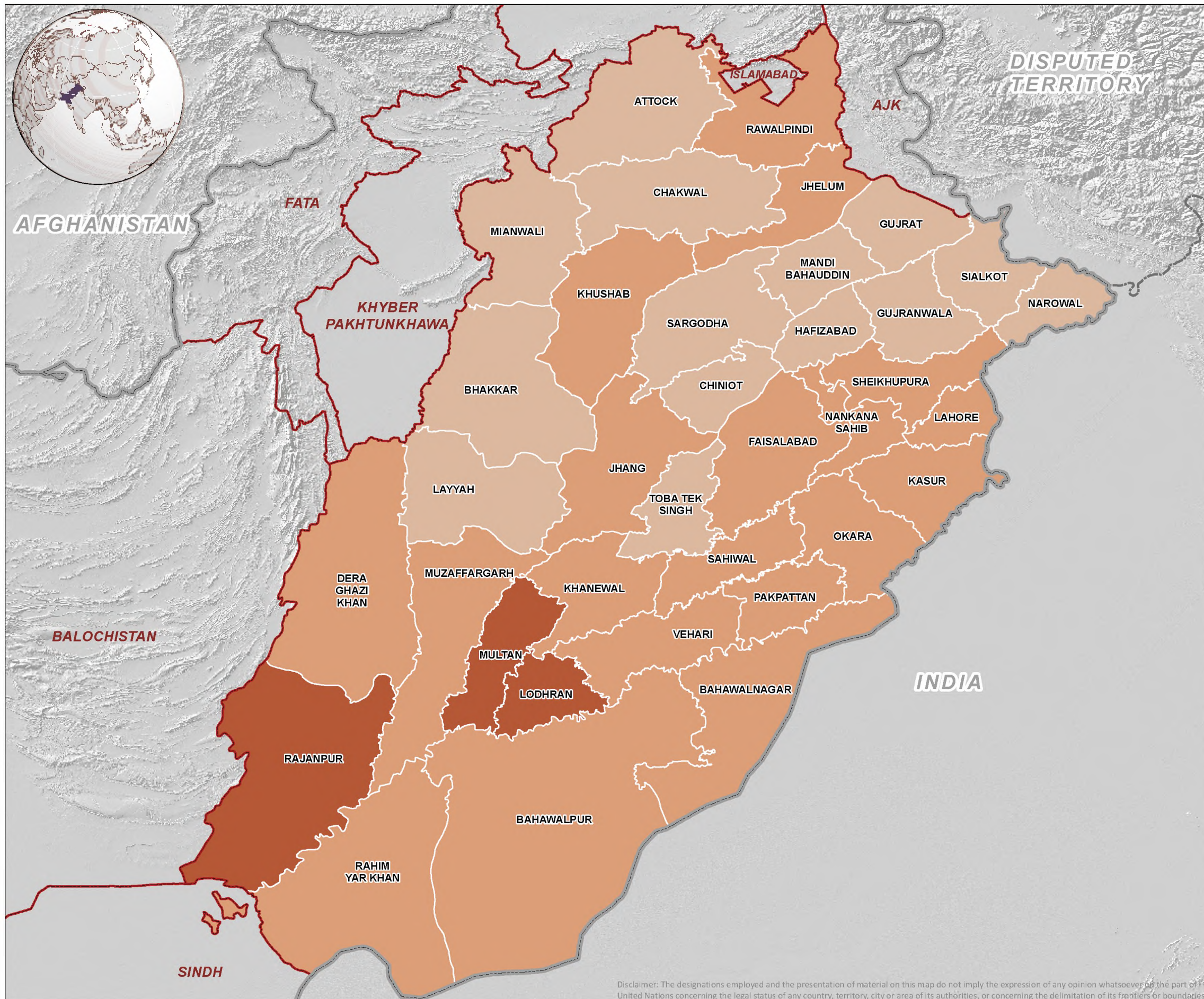
Map Number: PAK\_Soil Fertility Atlas\_Punjab\_pH\_15.1\_20150910



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# DISTRICT-WISE AVERAGE ELECTRICAL CONDUCTIVITY (EC)



## Map Legend

### Administrative limits

- Country
- Province
- District

### EC value (dSm<sup>-1</sup>)

- ≤ 0.51
- 0.52 - 1.00
- 1.01 - 1.50

## About Map

This map shows soil salinity status (EC 1:2.5, dSm<sup>-1</sup>) of each district. Southern Punjab appears to be more affected. The trend of salt buildup in the soils of irrigated lands is evident. For details, please see Annexure – IV.

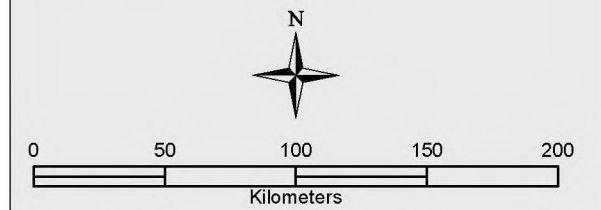
## Data Sources

FAO, GAUL, Fauji Fertilizer Company Limited (FFCL), Rawalpindi

## Map Scale and Datum

Nominal scale: 1:2,698,500 at A3

Datum: WGS 84



Date: 11 May 2016

Created by: IM Unit, FAO Pakistan

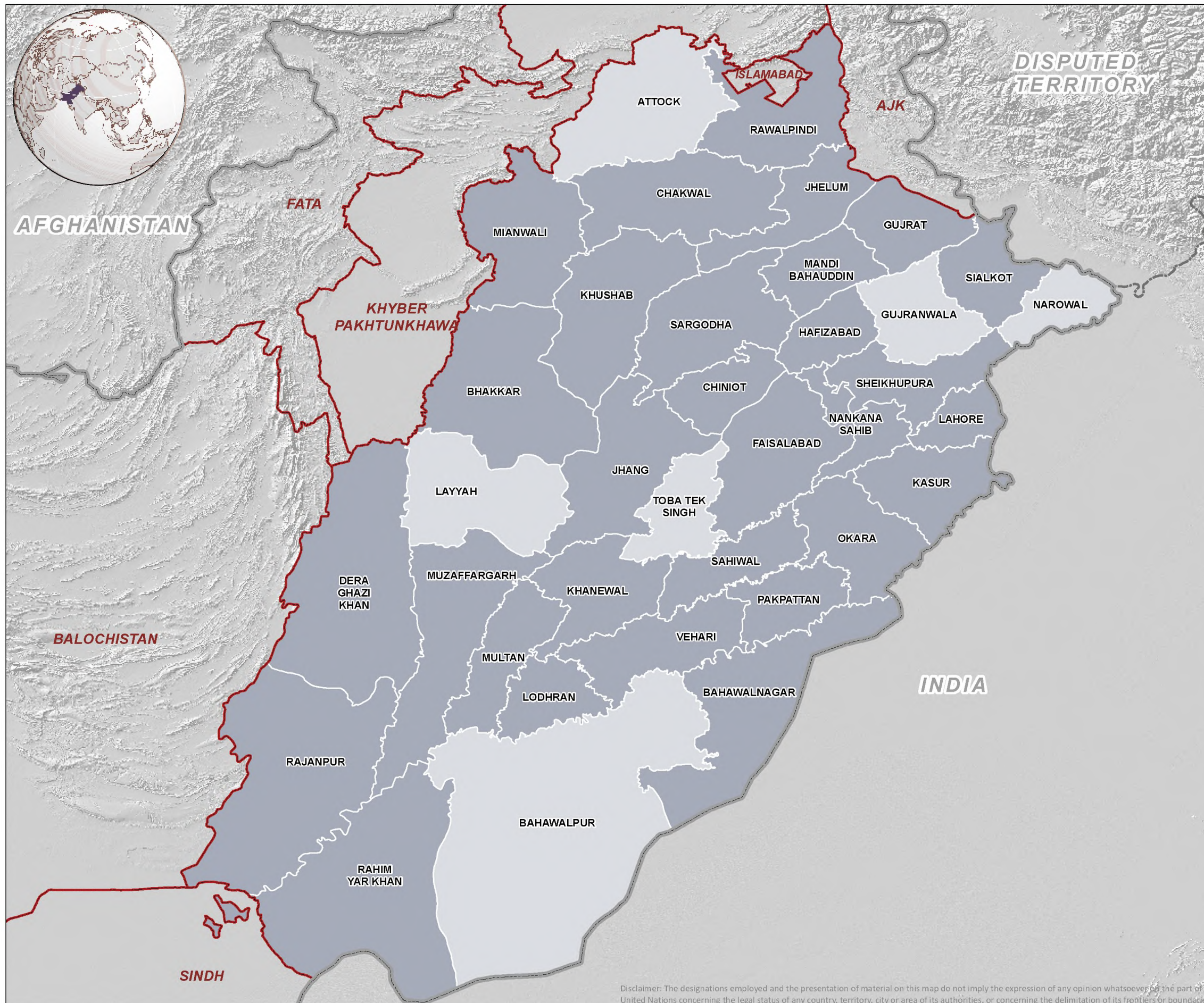
Map Number: PAK\_Soil Fertility Atlas\_Punjab\_ECr\_15.2\_20150910



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# DISTRICT-WISE AVERAGE ORGANIC MATTER CONTENT



## Map Legend

### Administrative limits

- Country
- Province
- District

### Organic Matter (%)

- ≤ 0.5
- 0.5-1.0

## About Map

This map shows average organic matter content of soils in each district. Invariably the soils are low in organic matter that reflects low fertility status. For details, please see Annexure – IV.

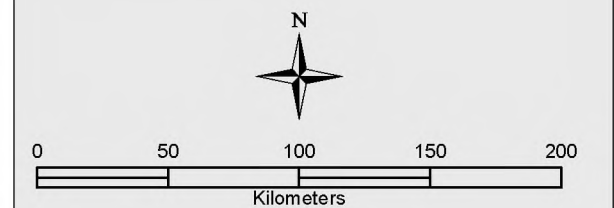
## Data Sources

FAO, GAUL, Fauji Fertilizer Company Limited (FFCL), Rawalpindi

## Map Scale and Datum

Nominal scale: 1:2,698,500 at A3

Datum: WGS 84



Date: 11 May 2016

Created by: IM Unit, FAO Pakistan

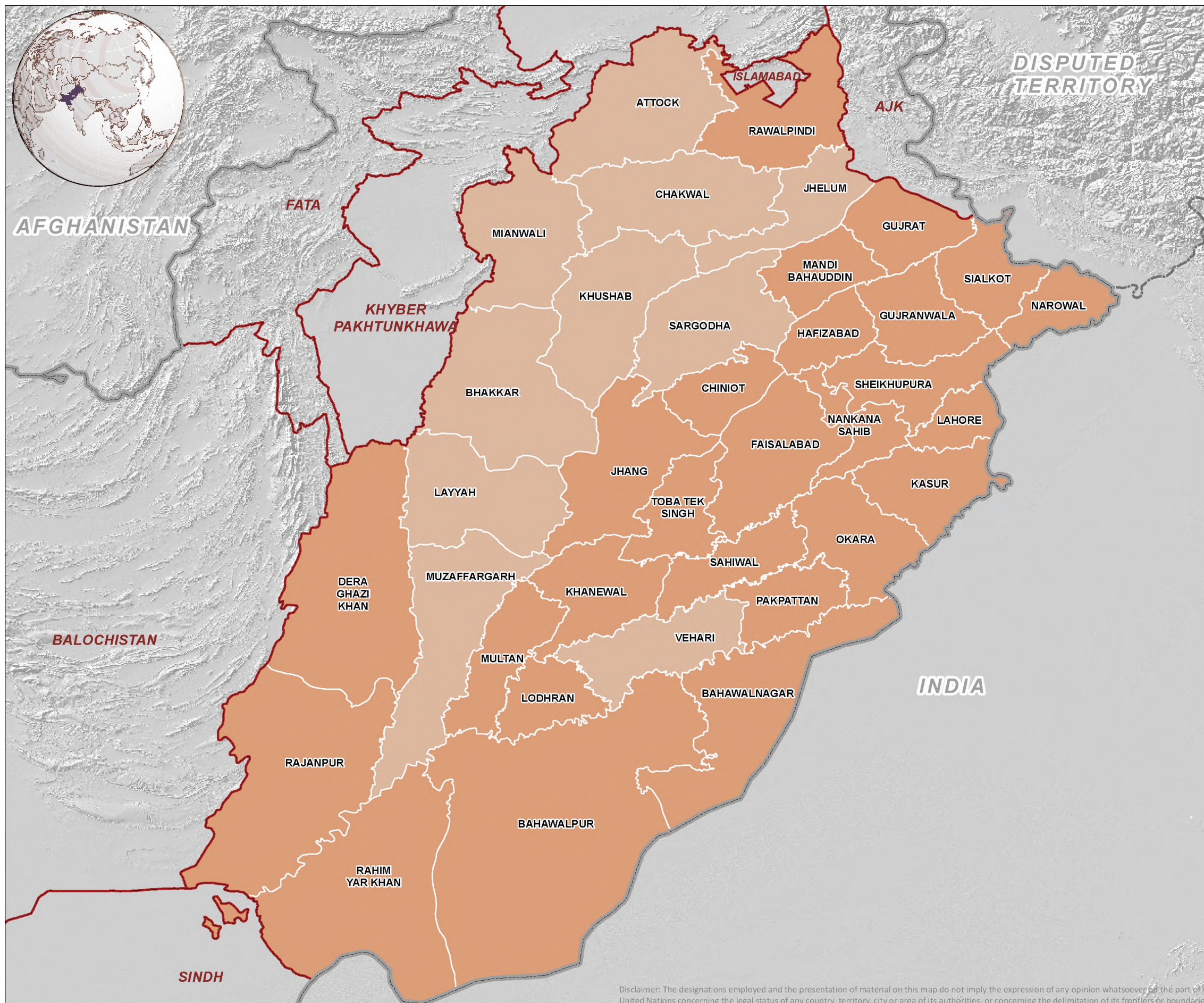
Map Number: PAK\_Soil Fertility Atlas\_Punjab\_OMc\_15.4\_20150910



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# DISTRICT-WISE AVERAGE AVAILABLE PHOSPHORUS



## Map Legend

- Administrative limits**
- Country
  - Province
  - District
- Available Phosphorus (ppm)**
- ≤5.0
  - 5.1 - 10.0
  - 10.1 - 15.0

## About Map

This map shows the fertility status of the soils based on the available phosphorus. Most of the soils are deficient or have low medium levels of available P. -For details, please see Annexure IV.

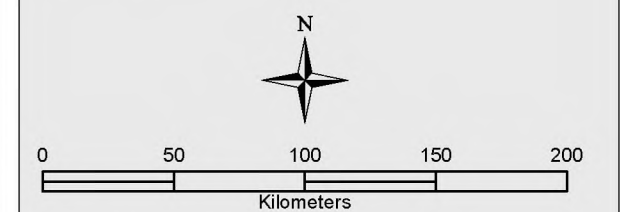
## Data Sources

FAO, GAUL, Fauji Fertilizer Company Limited (FFCL), Rawalpindi.

## Map Scale and Datum

Nominal scale: 1:2,698,500 at A3

Datum: WGS 84



Date: 11 May 2016

Created by: IM Unit, FAO Pakistan

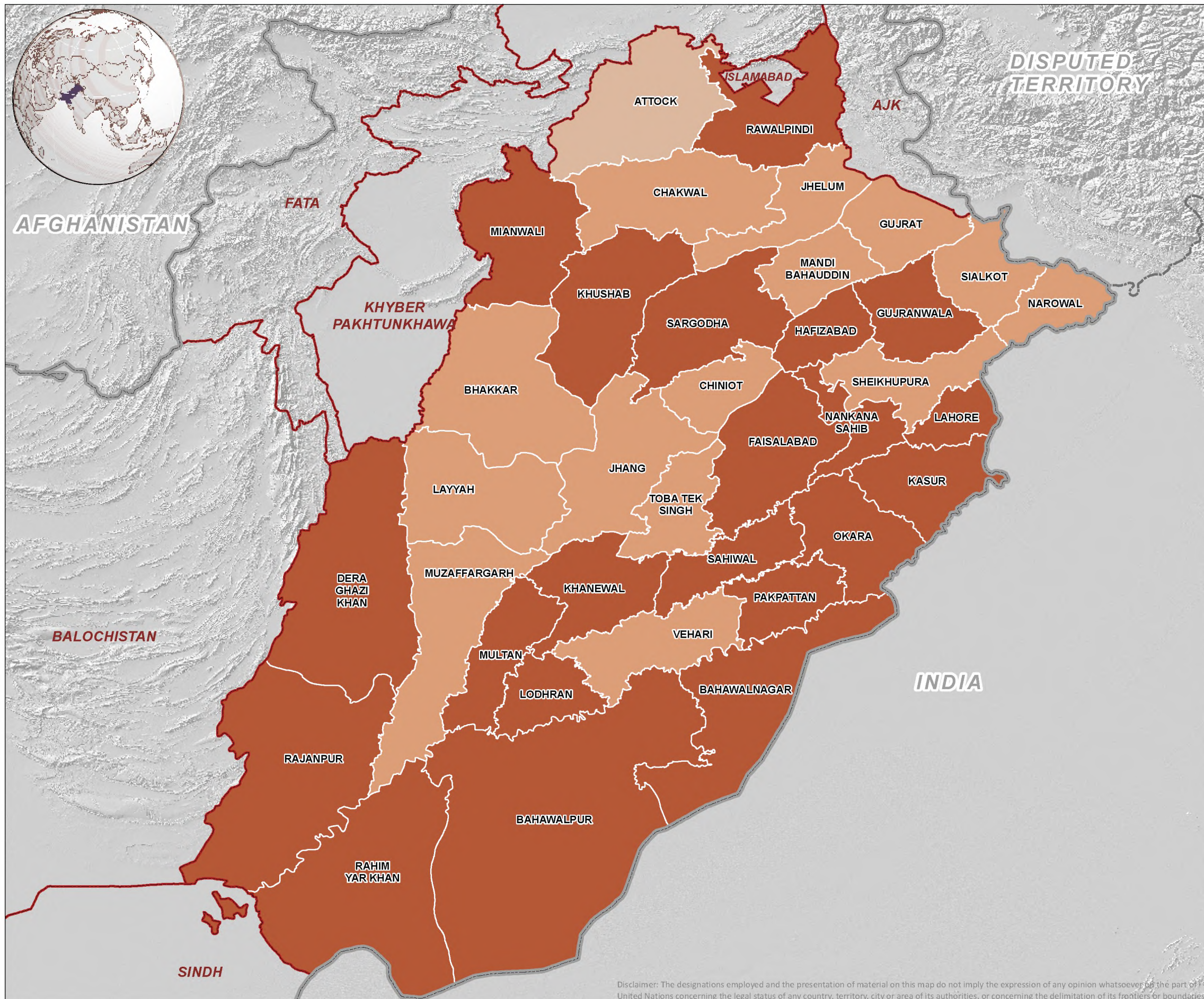
Map Number: PAK\_Soil Fertility Atlas\_Punjab\_AvP\_15.5\_20150910



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# DISTRICT-WISE AVERAGE EXTRACTABLE POTASSIUM



## Map Legend

### Administrative limits

- Country
- Province
- District

### Extractable Potassium (ppm)

- ≤ 100
- 101 - 150
- > 150

### About Map

This map shows the fertility status of the soils based on the extractable potassium. The deficiency of K is evident in the soils of many districts of Punjab. The use of potassic fertilizers cannot be ignored any further. For details, please see Annexure IV.

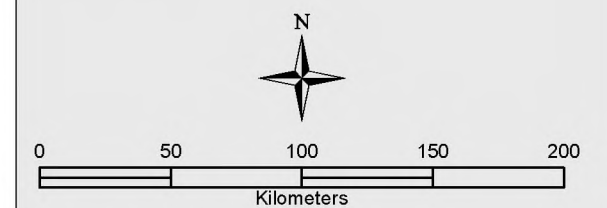
### Data Sources

FAO, GAUL, Fauji Fertilizer Company Limited (FFCL), Rawalpindi

### Map Scale and Datum

Nominal scale: 1:2,698,500 at A3

Datum: WGS 84



Date: 11 May 2016

Created by: IM Unit, FAO Pakistan

Map Number: PAK\_Soil Fertility Atlas\_Punjab\_ExK\_15.6\_20150910



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