Content

1. **Introduction** 5
2. **Methodology** 7
   - 2.1. Sampling method 7
   - 2.1.1. Soil samples 7
   - 2.1.2. Assimilatory tissue samples 7
   - 2.2. Method of chemical analyses 8
   - 2.3. Method of statistical processing of results 8
   - 2.3.1. Interval data classification 8
   - 2.3.2. Variance as a rate of difference 8
   - 2.3.3. Method „Jenks natural breaks optimization“ 9
   - 2.3.4. Bootstrap 9
   - 2.3.5. Correction of calculation results 9
3. **Description of data file** 10
4. **Results** 13
   - 4.1. Soil reaction active (pH) 13
   - 4.2. Nitrogen 20
   - 4.3. Phosphorus 30
   - 4.4. Potassium 40
   - 4.5. Calcium 50
   - 4.6. Magnesium 61
   - 4.7. Aluminium 72
   - 4.8. Iron 81
   - 4.9. Manganese 90
   - 4.10. Cadmium 99

4.11. Chromium 105
4.12. Copper 111
4.13. Lead 117
4.14. Zinc 123
4.15. Contents of sulphur, boron, nickel and sodium in assimilatory tissues 129
4.15.1. Sulphur 129
4.15.2. Boron 134
4.15.3. Nickel 139
4.15.4. Sodium 144