

Phytoremediation of arsenic at Nadia (WB) using Vetiver grass (with BCKV, Kalyani)

- Nadia district of West Bengal is highly contaminated with arsenic (As).
- Soil, water and plants growing in the area were collected and showed high level of As.
- Vetiver plants have established successfully and showed good growth and remediation of As during 2018-20.



Vetiver: Initial plantation

Selected Farmer's Field : Area 200 m², Plantation = 850 x 3 tillers
Initial As concentration in soil: **55 mg/kg**



Vetiver: After 5 months

After 8 months: **55.3% removal**
After 11 months: within permissible limit (**<20 mg/kg**)