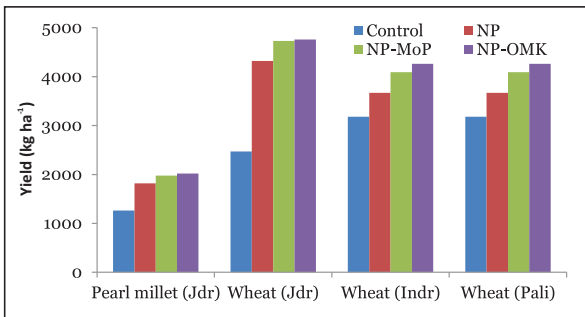




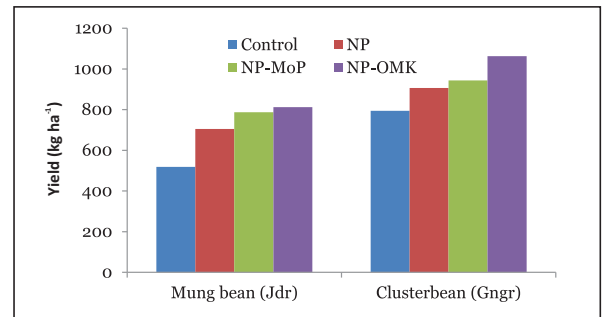
Indigenous Potassic Organo-Mineral Fertilizer



- ❖ Potassium is a major element and an essential nutrient for plants, animals and humans.
 - ❖ Reserves of potassium minerals in India are few and of poor quality and are not suitable for synthesis of potassic fertilizer.
 - ❖ India imports 36.5 lakh MT DAP and 38.0 lakh MT MoP annually costing approx. \$ 5000 million.
 - ❖ Imports of potassic fertilizers cost the nation about Rs. 15,000 crores per annum.
 - ❖ The eco-friendly and safe utilization of low quality potash containing minerals and mined waste product is essential.
 - ❖ Rajasthan has huge deposits of Feldspar mineral (87.12 MT).
-
- ❖ A new method developed to convert low grade potash minerals into organo-mineral fertilizers (OMF) by mixing it with chemically treated oxidized lignite found abundantly in the country.
 - ❖ Cost of potassium from OMF is lower than that of K from muriate of potash
 - ❖ The yield of pearl millet, mung bean and wheat was higher by 3-7% with OMF in field experiments at Jodhpur has been better than that with equivalent amount of muriate of potash



Jdr : Jodhpur
Indr: Indore
Gngr: Ganganagar



Banana

MoP 30.7±2.5 kg plant⁻¹
 OMF 30.9±1.9 kg plant⁻¹

