|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| [https://tse1.mm.bing.net/th?&id=OIP.M38b3060efc6b9bea868f64e2be9c017cH0&w=221&h=221&c=0&pid=1.9&rs=0&p=0](https://www.bing.com/images/search?q=csir+ghana+logo&view=detailv2&&id=47C83244F5F36B4B18DB78BB233C275DB7BA1206&selectedIndex=0&ccid=OLMGDvxr&simid=608043485997236551&thid=OIP.M38b3060efc6b9bea868f64e2be9c017cH0) | **Ghana: Fertilizer rate adjustment for ISFM practices and soil test information** | | | |  | |
| **ISFM practice** | | **Urea** | **DAP or TSP** | **KCl** | | **NPK 15-15-15** |
|  | | **Fertilizer rate reduction, % or kg/ha** | | | | |
| Previous crop was a **green manure crop** (mucuna for maize) | | 100% | 70% | 70% | | 70% |
| **Farmyard manure per** 1 t of dry material (low quality) | | 22 kg | 10 kg | 10 kg | | 70 kg |
| Residual value of FYM applied for the previous crop, per 1 t | | 10 kg | 5 kg | 5 kg | | 35 kg |
| **Poultry manure**, per 1 t dry material | | 65 kg | 22 kg | 17 kg | | 200kg |
| Residue value of poultry manure, per 1 t dry material | | 32 kg | 10 kg | 8 kg | | 100 kg |
| **Compost**, per 1 t | | 11 kg | 1 kg | 1 kg | | 33 kg |
| **Maize-cowpea intercropping** | | TSP by 22 kg/ha, but no change in N & K compared with sole maize rates | | | | |
| **Maize-groundnut intercropping** | | Increase DAP/TSP by 52 kg/ha, no change in N and K compared with maize rates | | | | |
| **Maize-cowpea rotation** | | 0% reduction but more yield expected | | | | |
| **Rice-cowpea rotation** | | 0% reduction but more yield expected | | | | |
| If **Bray-Kurtz I P > 20 ppm**, or **Olsen P > 30 ppm** | | Apply no P | | | | |
| If soil test **K < 100 ppm** | | Band apply 15 kg/ha KCl | | | | |