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|  | **Tanzania: fertilizer rate adjustment for ISFM practices and soil test information** |  |
| **ISFM practice** | **Urea** | **DAP or TSP** | **KCl** | **NPK 17-17-17** |
|  | **Fertilizer reduction, % or kg/ac** |
| Previous crop was a **green manure crop** (azolla in lowland rice and tithonia for maize) | 100% | 70% | 70% | 70% |
| **Farmyard manure** per 1 t of dry material (low quality) | 5 kg | 3 kg | 2 kg | 10 kg |
|  Residual value of farmyard manure applied for the previous crop, per 1 t | 2 kg | 1 kg | 1 kg | 3 kg |
| **Poultry manure**, per 1 t dry material | 9 kg | 4 kg | 5 kg | 16 kg |
|  Residue value of poultry manure, per 1 t dry material | 2 kg | 2 kg | 1 kg | 3 kg |
| **Compost**, per 1 t | 8 kg | 3 kg | 3 kg | 15 kg |
| **Maize-bean intercropping** | Increase DAP/TSP by 7 kg/ac, but no change in N & K compared with sole maize rates |
| **Maize-pigeonpea** **intercropping**  | Increase DAP/TSP by 11 kg/ac, reduce urea by 9 kg/ac, & no change in K compared with maize rates |
| **Maize- lablab rotation** | 0% reduction but more yield expected |
| **Rice-bean rotation** | 0% reduction but more yield expected |
| **Maize or upland rice-cowpea/pigeonpea/****green gram rotation** | Reduce urea by 20 kg/ha, and more yield expected |
| If **Bray-Kurtz I P > 20 ppm, or Olsen P > 10 ppm**  | Apply no P |
| If soil test **K < 100 ppm** | Band apply 20 kg/ac KCl  |