**Kenya: Fertilizer rate adjustment for ISFM practices and soil test information practices**

 

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| **ISFM practice** | **Urea** | **DAP/TSP** | **KCl** | **NPK 17-17-17** |
|  | **Fertilizer rate reduction, % or kg/acre** | | | |
| Previous crop was a **green manure crop** e.g. mucuna and crotalaria for maize or Azolla for lowland rice | 100% | 70% | 70% | 70% |
| Fresh **vegetative material** (e.g. prunings of tithonia, *Lantana camara,* grevillea, *Leucaena*, *Sesbania sesban*, banana leaves, coffee husks) per 1 t of fresh material | 4 kg | 2 kg | 2 kg | 8 kg |
| **Farmyard manure** per 1 t of dry material | 5 kg | 3 kg | 2 kg | 10 kg |
| Residual value of FYM applied for the previous crop, per 1 t | 2 kg | 1 kg | 1 kg | 3 kg |
| **Dairy or poultry manure**, per 1 t dry material | 9 kg | 4 kg | 5 kg | 16 kg |
| Residual value of dairy and poultry manure applied for the previous crop, per 1 t | 2 kg | 2 kg | 1 kg | 3 kg |
| **Compost**, per 1 t | 8 kg | 3 kg | 3 kg | 15 kg |
| Residual value of compost applied for the previous crop, per 1 t | 3 kg | 2 kg | 1 kg | 5 kg |
| **Rotation** | 0% reduction but more yield expected | | | |
| **Cereal-bean intercropping** | Increase DAP/TSPby 7 kg/ac, but no change in N & K compared with sole cereal fertilizer | | | |
| **Cereal-other legume** (effective in N fixation) intercropping | Increase DAP/TSPby 11 kg/ac, reduce urea by 9 kg/ac, & no change in K compared with sole cereal fertilizer | | | |
| If **Mehlich III** P >15 ppm | Apply no P | | | |
| **Avail. P (Olsen)** > 10 ppm | Apply no P | | | |
| **If soil test K** <100 ppm | Band apply 20 kg/ac KCl | | | |