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|  | **Rwanda: 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/acre |
| Previous crop was a **green manure crop** | 100% | 70% | 70% | 70% |
| **Fresh vegetative material** (e.g. prunings of Lantana or tithonia) applied, 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 poulty 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 |
| If soil test **K < 100 ppm** | Band apply 20 kg/ac KCl  |