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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 | | | | | |