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|  | **Mozambique: Fertilizer rate adjustment for ISFM practices and soil test information** | | |  |
| **ISFM practice** | | **Urea** | **DAP or TSP** | **NPK 10-20-10+6S** |
| Fertilizer reduction, % or kg/ha | | |
| N | P | K |
| Early incorporation of a **green legume manure** (mucuna, crotalaria and lablab) | | 57 kg | 3 kg | 11 kg |
| For each 1 t of fresh **leguminous leafy tree prunings applied** (e.g, gliricidia, leucaena, sesbania, senna) | | 10 kg | 1 kg | 6 kg |
| **Farmyard manure** per 1 t of dry material | | 2 kg | 1 kg | 1 kg |
| Residual value of farmyard manure applied for the previous crop, per 1 t | | 1 kg | 0.4 kg | 0.4 kg |
| **Dairy or poultry manure**, per 1 t dry material | | 24 kg | 7 kg | 14 kg |
| Residual value of dairy and poultry manure applied for the previous crop, per 1 t | | 5 kg | 1.4 kg | 3 kg |
| **Compost**, per 1 t/ha dry wt. | | 20 kg | 1 kg | 20 kg |
| **Doubled-up legume-technology** (pigeonpea) | | In the second year of rotation a mean reduction of 50 kg urea | | |
| **Cereal-bean intercropping** | | Increase DAP/TSP by 18 kg/ha, but no change in N & K compared with sole cereal fertilizer | | |
| **Cereal-other legume** (effective in N fixation) intercropping | | Increase DAP/TSP by 20 kg/kg, reduce urea by 30 kg/ha, & no change in K compared with sole cereal fertilizer | | |
| If **Mehlich III P >18** ppm | | Do not apply P | | |
| If soil test **K < 0.25 cmol/kg** | | Apply 20 kg/ha KCl | | |