|  |  |  |
| --- | --- | --- |
|  | **Ethiopia: Fertilizer rate adjustment for ISFM practices and soil test information**  | OFRA logo.jpg |
| **ISFM practice** | **Urea** | **TSP/DAP** | **KCl/KSO4** |
| **Fertilizer rate reduction, kg/ ha or %** |
| Previous crop was a **green manure crop** | 100% | 100% | 100% |
| **Fresh vegetative material** (e.g. pruning of lantana or tithonia) applied, per 1 t of fresh material | 10 kg | 4 kg | 6 kg |
| **Farmyard manure** per 1 t of dry material | 0 kg | 4 kg | 6 kg |
|  Residual value of FYM applied for the previous crop, per 1 t | 0 kg | 2 kg | 2 kg |
| **Dairy or poultry manure**$, per 1 t dry material | 10 kg | 6 kg | 10 kg |
| Residual value of dairy & poultry manure applied for the previous crop, per 1 t | 4 kg | 4 kg | 2 kg |
| **Compos**t per 1 t dry material applied | 6 kg | 6 kg | 10 kg |
|  Residual value of compost applied for the previous crop, per 1 t | 6 kg | 4 kg | 2 kg |
| Rotation | 0% reduction but more yield expected |
| **Cereal-bean intercropping** | Increase DAP/TSPby 8 kg/ha, but no change in N & K compared with sole cereal fertilizer |
| **Cereal-other legume** (effective in N fixation) intercropping | Increase DAP/TSPby 12 kg/ha, reduce urea by 20 kg/ha, & 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 40 kg/ha K2SO4 |