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| C:\Documents and Settings\user\Desktop\New LUANAR Logo\luanar logo.1b.JPG | **DARS** | **Malawi: Fertilizer rate adjustment for ISFM practices and soil test information** | | |  |
| **ISFM practice** | | | **Urea or CAN** | **DAP or TSP** | **NPK 23-21-0+4S or 23:10:5+6S+1.0Zn** |
| Fertilizer reduction, % or kg/ha | | |
| N | P | K |
| Previous crop was a **green legume manure** (mucuna, crotalaria and lablab) crop | | | 100% | 8 kg | 28 kg † |
| Early incorporation of a **green legume manure** (mucuna, crotalaria and lablab) crop | | | 57 kg | 3 kg | 11 kg † |
| Use of **agroforestry technologies** (e.g. leaf prunings of gliricidia, leucaena, sesbania, senna) applied, per 1 t of fresh material | | | 10 kg | 1 kg | 6 kg†† |
| **Farmyard manure** per 1 t of dry material | | | 2 kg | 1 kg | 1 kg |
| Residual value of FYM 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** (pigeon pea/groundnuts etc.) | | | In the following year, reduce urea by 50 kg/ha ††† | | |
| **Cereal-bean intercropping** | | | Increase DAP/TSP by 18 kg/ha, but no change in N & K compared with sole cereal recommendations | | |
| **Cereal-other legume** (effective in N fixation) intercropping | | | Increase DAP/TSP by 20 kg/ha, reduce urea by 30 kg/ha, & no change in K compared with sole cereal recommendations | | |
| If **Mehlich III P >18 ppm** | | | Do not apply P | | |
| If soil test **K < 0.25 cmol/kg** | | | Apply 20 kg KCl/ha | | |