**EXAMPLE PARAMETER FILES**

**INDONESIA** – this example is for the Patappa region of South Sulawesi and gives four different parameter sheets, illustrating different possible intervention scenarios. Each scenario builds on the previous scenario.

S0 – an example of a typical 2ha Patappa smallholder farm with 1 Bali breeding cow and growing a 0.5ha of rice and 0.3ha of groundnut, with 1ha of upland native grasses, and keeping only 40% of rice residue and no groundnut residue.

S1 – introduces storing of 80% of residue from groundnut crop to provide feed for livestock

S2 – Introduces growing 0.2ha of forage legume (Leucaena) and 0.3ha grass (Brachiaria cv Mulato) on upland

S3 – increases the area of Leucaena to 0.4ha and Mulato to 0.5ha, increases the number of breeding cows from 1 to 2 and introduces seasonal mating of cows, with increased amounts of cut and carry fodder and labour

S4 – is the same as S3 except the sale prices of cattle have been reduced to demonstrate the impact of lower prices.

**ZIMBABWE** – this example is for a typical 3ha smallholder farm in the Nkayi region, growing maize, groundnut and sorghum, and running a mixture of cattle and goats.

S1 - Baseline - 2.5 ha maize (nil fertiliser), 0.25ha groundnut (local varieties), 0.25ha sorghum (nil fertiliser), mixed cattle and goats.

S2 - S1 but maize fertilised with 60kg/ha nitrogen fertiliser (Nitram 20kg N)

S4 - S2 but maize area decreased to 2.0ha, no sorghum crop, and increase groundnuts to 1.0ha

S5 = S4 but substitute ICRISAT CG7 groundnuts for local varieties

S7 = S5 but reduce maize to 1.5ha and grow 0.5ha mucuna

S9 = S7 but specialise in goats only (i.e. 0 cattle, increase goats (5:1 per cow displaced).